

1. Dosing technology

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Legal notice

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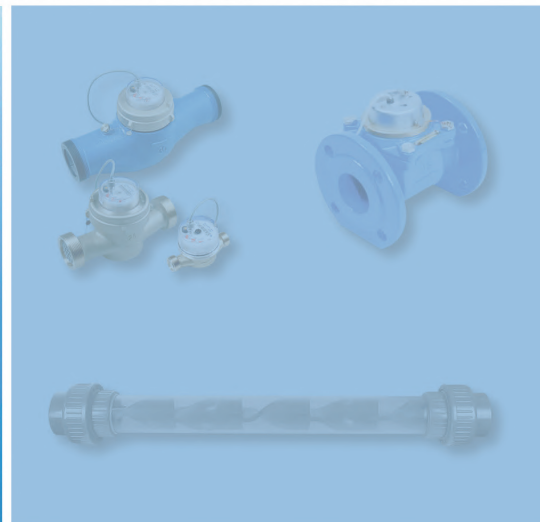
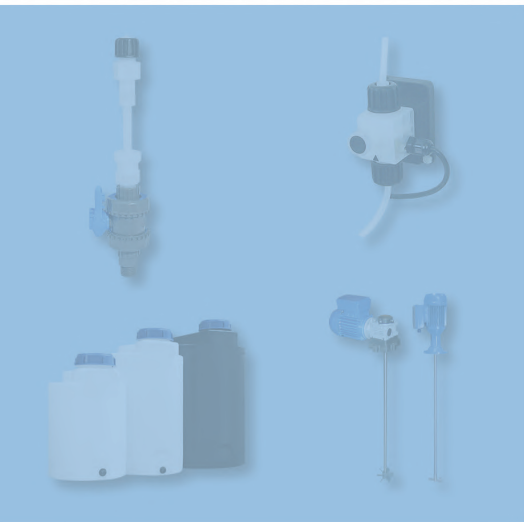
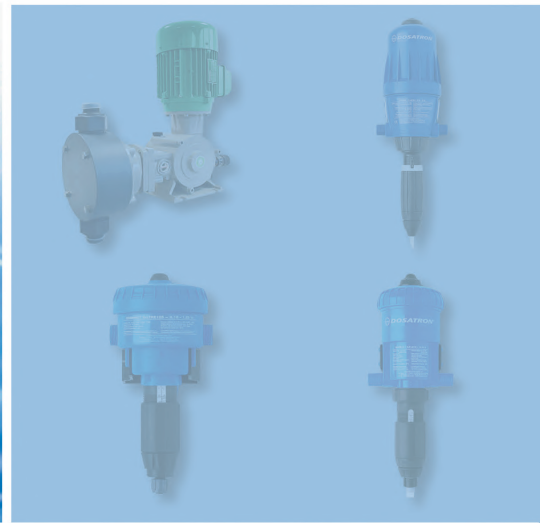
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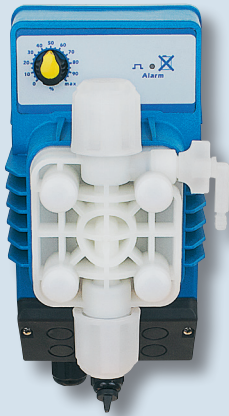
3. Dosing technology

1.1. Solenoid diaphragm dosing pumps

1.1.1.

DOSATec Solenoid diaphragm dosing pump HCO

Solenoid diaphragm dosing pump for the exact dosing of liquid media.



Product description:

- Capacity: 0 – 5 l/h
- Pressure range: 0 – 10 bar
- Pump head material: PVDF
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 24 VAC, 24 VDC
- Manual pump head ventilation valve
- Suitable for wall mounting
- Manual adjustment of stroke frequency
- Available languages: DE, EN, FR

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Areas of application:

- Dosing of small and medium fluid volumes (water treatment, process, industry, acids, bases, flocculants, precipitants, ...).

Scope of supply:

- **DOSATec HCO** Solenoid diaphragm dosing pump, accessory set (foot valve, hose, injection valve), connection cable end open

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item number:
HCO PVDF/Viton® (Dosing pump HCO with PVDF pump head and Viton® seals.)	1.0	10	160	4 x 6	40230003
	2.0				
	3.0				
	5.0	8			
HCO PVDF/EPDM (Dosing pump HCO with PVDF pump head and EPDM seals.)	1.0	10	160	4 x 6	40230053
	2.0				
	3.0				
	5.0	8			

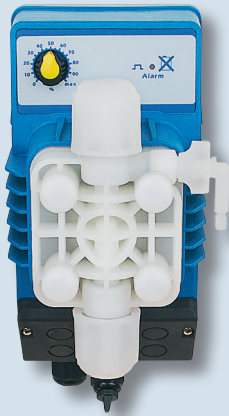
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1.1.2.

DOSA*Tec* Solenoid diaphragm dosing pump HCL

Solenoid diaphragm dosing pump for the exact dosing of liquid media.



Product description:

- Capacity: 0 – 5 l/h
- Pressure range: 0 – 10 bar
- Pump head material: PVDF
- Seals material: Viton[®], EPDM
- Diaphragm material: PTFE (coated)
- Power supply: 100–230 VAC
- Alternative power supply: 24 VAC, 24 VDC
- Manual pump head ventilation valve
- Input for level control
- Suitable for wall mounting
- Manual adjustment of stroke frequency (0–20 %, 0–100 %)
- Available languages: DE, EN, FR

Areas of application:

- Dosing of small and medium fluid volumes (water treatment, process, industry, acids, bases, flocculants, precipitants, ...).

Scope of supply:

- **DOSA*Tec* HCL** Solenoid diaphragm dosing pump, accessory set (foot valve, hose, injection valve, level switch), connection cable end open

Ordering data:

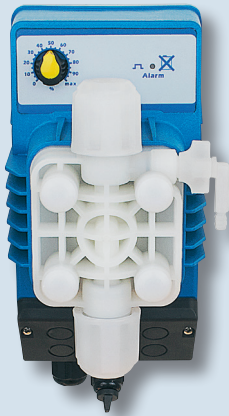
Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item number:
HCL PVDF/Viton [®] (Dosing pump HCL with PVDF pump head and Viton [®] seals.)	1.0	10	160	4 x 6	40230103
	2.0				
	3.0				
	5.0				
HCL PVDF/EPDM (Dosing pump HCL with PVDF pump head and EPDM seals.)	1.0	10	160	4 x 6	40230153
	2.0				
	3.0				
	5.0				

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1.1.3.

DOSA*Tec* Solenoid diaphragm dosing pump **HIS**

Solenoid diaphragm dosing pump for the exact dosing of liquid media.



Product description:

- Capacity: 0–5 l/h,
- Pressure range: 0–10 bar
- Pump head material: PVDF
- Seals material: Viton[®], EPDM
- Diaphragm material: PTFE
- Power supply: 100–230 VAC
- Alternative power supply: 24 VAC, 24 VDC
- Manual pump head ventilation valve
- Input for level control
- Suitable for wall mounting
- Manual adjustment of stroke frequency
- Pulse input
- Mode for pulse multiplication
- Mode for pulse division (4:1)
- Available languages: DE, EN, FR

3

Areas of application:

- Dosing of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, ...).

Scope of supply:

- **DOSA*Tec* HIS** Solenoid diaphragm dosing pump, accessory set (foot valve, hose, injection valve, level switch), connection cable end open

Ordering data:

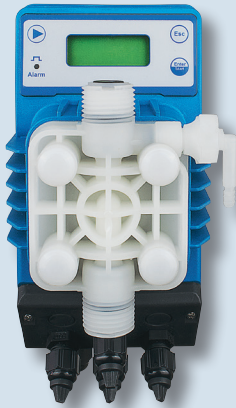
Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connec- tion: mm	Item number:		
HIS PVDF/Viton [®] (Dosing pump HIS with PVDF pump head and Viton [®] seals.)	1.0	10	160	4 x 6	40230203		
	2.0						
	3.0	8					
	5.0						
HIS PVDF/EPDM (Dosing pump HIS with PVDF pump head and EPDM seals.)	1.0	10			160	4 x 6	40230253
	2.0						
	3.0	8					
	5.0						

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1.1.4.

DOSA*Tec* Solenoid diaphragm dosing pump HTS

Solenoid diaphragm dosing pump for the exact dosing of liquid media.



Product description:

- Capacity: 0–5 l/h
- Pressure range: 0–10 bar
- Pump head material: PVDF
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE (coated)
- Power supply: 100–230 VAC
- Alternative power supply: 24 V AC, 24 VDC
- Manual pump head ventilation
- Suitable for wall mounting
- Manual adjustment of stroke frequency
- Inputs for/to:
 - level control
 - external dosing start
 - pulses
 - 4–20 mA signal
- Modes:
 - pulse multiplication
 - pulse division
 - conversion of analog input signals
 - dosing controlled by an intergrated timer
- Available languages: DE, EN, FR

3

Areas of application:

- Dosing of small and medium fluid volumes (water treatment, process, industry, acids, bases, flocculants, precipitants, ...).

Scope of supply:

- **DOSA*Tec* HTS** Solenoid diaphragm dosing pump, accessory set (foot valve, hose, injection valve, level switch), connection cable end open

Ordering data:

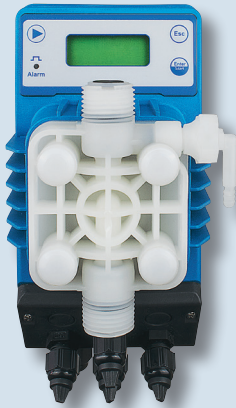
Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item number:		
HTS PVDF/Viton® (Dosing pump HTS with PVDF pump head and Viton® seals.)	1.0	10	160	4 x 6	40230403		
	2.0						
	3.0						
	5.0	8					
HTS PVDF/EPDM (Dosing pump HTS with PVDF pump head and EPDM seals.)	1.0	10			160	4 x 6	40230453
	2.0						
	3.0						
	5.0	8					

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1.1.5.

DOSA*Tec* Solenoid diaphragm dosing pump HPO

Solenoid diaphragm dosing pump for the exact dosing of liquid media.



Product description:

- Capacity: 0–5 l/h
- Pressure range: 0–10 bar
- Pump head material: PVDF
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 100–230 VAC
- Alternative power supply: 24 VAC, 24 VDC
- Manual pump head ventilation valve
- Suitable for wall mounting
- Manual adjustment of stroke frequency
- Inputs:
 - Level control
 - external dosing start
 - direct pH control
 - direct redox (ORP) control
 - temperature sensor Pt100
- Mode for conversion of analog input signals
- Available languages: DE, EN, FR

Areas of application:

- Dosing of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, ...).

Scope of supply:

- **DOSA*Tec* HPO** Solenoid diaphragm dosing pump, accessory set (foot valve, hose, injection valve, level switch), connection cable end open

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item number:
HPO PVDF/Viton® (Dosing pump HPO with PVDF pump head and Viton® seals.)	1.0	10	160	4 x 6	40230503
	2.0				
	3.0				
	5.0				
HPO PVDF/EPDM (Dosing pump HPO with PVDF pump head and EPDM seals.)	1.0	10	160	4 x 6	40230553
	2.0				
	3.0				
	5.0				

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1.1.6.

DOSA Tec Solenoid diaphragm dosing pump LCO

Solenoid diaphragm dosing pump for exact dosing of liquid media.



Product description:

- Capacity: 0 – 110 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 100 – 230 VAC
- Manual pump head ventilation valve
- Suitable for wall mounting
- Manual adjustment of stroke frequency (0 ... 20 %, 0 ... 100 %)

Areas of application:

- Dosing of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, prexipitants, ...).

Scope of supply:

- **DOSA Tec LCO** Solenoid diaphragm dosing pump, accessory set (foot valve, hose, injection valve, hose screw connection)

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item number:	
LCO PVDF/Viton® (Dosing pump LCO with PVDF pump head and Viton® seals.)	2.50	20.0	120	14	4 x 6	41230000	
	3.00	18.0					
	4.20	14.0					
	3.00	12.0	160	20		4 x 6	41230001
	4.00	10.0					
	5.00	8.0					
	8.00	2.0					
	7.00	16.0	300	40	4 x 6	41230004	
	10.00	10.0					
	14.00	6.0					
	16.00	2.0				8 x 12	41230007
	20.00	5.0					
	32.00	4.0					
	62.00	2.0					
110.00	0,1						

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Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item number:
LCO PVDF/EPDM (Dosing pump LCO with PVDF pump head and EPDM seals.)	2.50	20.0	120	14	4 x 6	41230050
	3.00	18.0				
	4.20	14.0				
	3.00	12.0	160	20		41230051
	4.00	10.0				
	5.00	8.0				
	8.00	2.0				
	7.00	16.0	300	40	41230054	
	10.00	10.0				
	14.00	6.0				
	16.00	2.0			8 x 12	41230057
	20.00	5.0				
	32.00	4.0				
	62.00	2.0				
110.00	0.1					

Options:

Type:	Item number:
Self-venting pump head for:	91230005
L 2,50 l/h - 20,00 bar	
L 3,00 l/h - 12,00 bar	
L 10,00 l/h - 10,00 bar	
Reduction of the liter output by approx. 20%	

1.1.7.

DOSA Tec Solenoid diaphragm dosing pump LCL

Solenoid diaphragm dosing pump for exact dosing of liquid media.



Product description:

- Capacity: 0 – 110 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 100 – 230 VAC
- Alternative power supply*:
 - 24 VAC, 48 VAC, 240 VDC, 480 VDC
 - (*only für dosing capacity 3,00; 5,00; 8,0 l/h)
- Manual pump head ventilation valve
- Suitable for wall mounting
- Manual adjustment of stroke frequency
0 – 20 %, 0 – 100 %
- Inputs:
 - level alarm

3

Areas of application:

- Dosing of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, prexipitants, ...).

Scope of supply:

- **DOSA Tec LCL** Solenoid diaphragm dosing pump, accessory set (foot valve, hose, hose screw connection, injection valve, level switch)

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item number:	
LCL PVDF/Viton® (Dosing pump LCL with PVDF pump head and Viton® seals.)	2.50	20.0	120	14	4 x 6	41230100	
	3.00	18.0					
	4.20	14.0					
	3.00	12.0	160	20		41230101	
	4.00	10.0					
	5.00	8.0					
	8.00	2.0					
	7.00	16.0	300	40		41230104	
	10.00	10.0					
	14.00	6.0					
	16.00	2.0					
	20.00	5.0				8 x 12	41230107
	32.00	4.0					
	62.00	2.0					
110.00	0.1						

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Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item number:
LCL PVDF/EPDM (Dosing pump LCL with PVDF pump head and EPDM seals.)	2.50	20.0	120	14	4 x 6	41230150
	3.00	18.0				
	4.20	14.0				
	3.00	12.0	160	20		41230151
	4.00	10.0				
	5.00	8.0				
	8.00	2.0				
	7.00	16.0	300	40	41230154	
	10.00	10.0				
	14.00	6.0				
	16.00	2.0			8 x 12	41230157
	20.00	5.0				
	32.00	4.0				
	62.00	2.0				
110.00	0.1					

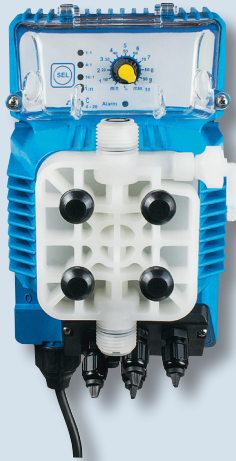
Options:

Type:	Item number:
Self-venting pump head for:	91230005
LCL 2,50 l/h - 20,00 bar	
LCL 3,00 l/h - 12,00 bar	
LCL 10,00 l/h - 10,00 bar	
Reduction of the liter output by approx. 20%	

1.1.8.

DOSA Tec Solenoid diaphragm dosing pump LAS

Solenoid diaphragm dosing pump for exact dosing of liquid media.



Product description:

- Capacity: 0 – 110 l/h,
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 100 ... 230 VAC
- Alternative power supply*:
 - 24 VAC, 48 VAC, 24 VDC, 480 VDC
 - (*only for dosing capacity 3,00; 5,00; 8,0 l/h)
- Manual pump head ventilation valve
- Suitable for wall mounting
- Manual adjustment of stroke frequency
- Inputs:
 - Level control
 - pulses
 - 4 ... mA signal
- Output:
 - Alarm-Relay output
- Modes:
 - pulse multiplication
 - pulse division (1:1, 4:1; 10:1)
 - conversion of analog input signals

3

Areas of application:

- Dosing of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, prexipitants, ...) .

Scope of supply:

- **DOSA Tec LAS** Solenoid diaphragm dosing pump, accessory set (foot valve, hose, injection valve, hose screw connection, level switch)

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item number:	
LAS PVDF/Viton® (Dosing pump LAS with PVDF pump head and Viton® seals.)	2.50	20.0	120	14	4 x 6	41230200	
	3.00	18.0					
	4.20	14.0					
	3.00	12.0	160	20		41230201	
	4.00	10.0					
	5.00	8.0					
	8.00	2.0					
	7.00	16.0	300	40		41230204	
	10.00	10.0					
	14.00	6.0					
	16.00	2.0				8 x 12	41230207
	20.00	5.0					
	32.00	4.0					
	62.00	2.0					
110.00	0.1						

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11.03.2021

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item number:
LAS PVDF/EPDM (Dosing pump LAS with PVDF pump head and EPDM seals.)	2.50	20.0	120	14	4 x 6	41230250
	3.00	18.0				
	4.20	14.0				
	3.00	12.0	160	20		41230251
	4.00	10.0				
	5.00	8.0				
	8.00	2.0				
	7.00	16.0	300	40	41230254	
	10.00	10.0				
	14.00	6.0				
	16.00	2.0			8 x 12	41230257
	20.00	5.0				
	32.00	4.0				
	62.00	2.0				
110.00	0.1					

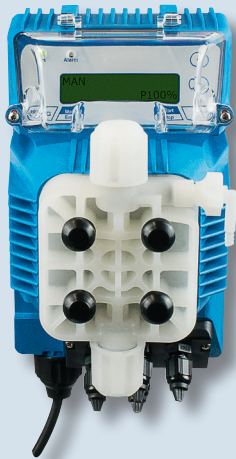
Options:

Type:	Item number:
Self-venting pump head for:	91230005
L 2,50 l/h - 20,00 bar	
L 3,00 l/h - 12,00 bar	
L 10,00 l/h - 10,00 bar	
Reduction of the liter output by approx. 20%	

1.1.9.

DOSA Tec Solenoid diaphragm dosing pump LMS

Solenoid diaphragm dosing pump for exact dosing of liquid media.



Product description:

- Capacity: 0 – 110 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 100 – 230 VAC
- Suitable for wall mounting
- Inputs:
 - Level control
 - external dosing start
 - pulses
 - 4 ... mA signal
- Output:
 - Alarm relay output
- Modes:
 - pulse multiplication, pulse division
 - conversion of analog input signals
 - dosing of pre-set quantities
 - timer
- Available languages: DE, EN, FR

3

Areas of application:

- Dosing of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, prexipitants, ...).

Scope of supply:

- **DOSA Tec LMS** Solenoid diaphragm dosing pump, accessory set (foot valve, hose, injection valve, hose screw connection, level switch)

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item number:
LMS PVDF/Viton® (Dosing pump LMS with PVDF pump head and Viton® seals.)	2.50	20.0	120	14	4 x 6	41230300
	3.00	18.0				
	4.20	14.0				
	3.00	12.0	160	20		41230301
	4.00	10.0				
	5.00	8.0				
	8.00	2.0				
	7.00	16.0	300	40	41230304	
	10.00	10.0				
	14.00	6.0				
	16.00	2.0				
	20.00	5.0			8 x 12	41230307
	32.00	4.0				
	62.00	2.0				
110.00	0.1					

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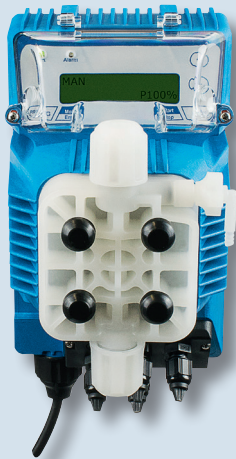
Ordering data:

Type:	Dosing capacity: l/h	Pressure ange: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item number:
LMS PVDF/EPDM (Dosing pump LMS with PVDF pump head and EPDM seals.)	2.50	20.0	120	14	4 x 6	41230350
	3.00	18.0				
	4.20	14.0				
	3.00	12.0	160	20		41230351
	4.00	10.0				
	5.00	8.0				
	8.00	2.0				
	7.00	16.0	300	40	41230354	
	10.00	10.0				
	14.00	6.0				
	16.00	2.0			8 x 12	41230357
	20.00	5.0				
	32.00	4.0				
	62.00	2.0				
110.00	0.1					

Options:

Type:	Item number:
Self-venting pump head for:	91230005
L 2,50 l/h - 20,00 bar	
L 3,00 l/h - 12,00 bar	
L 10,00 l/h - 10,00 bar	
Reduction of the liter output by approx. 20%	

Solenoid diaphragm dosing pump for exact dosing of liquid media.



Product description:

- Capacity: 0 – 110 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 100 – 230 VAC
- Manual pump head ventilation valve
- Suitable for wall mounting
- Inputs:
 - Level control
 - external dosing start
 - flow sensor
- Output:
 - Alarm relay output
- Mode for dosing by integrated timer
- Available languages: DE, EN, FR

3

Areas of application:

- Dosing of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, prexipitants, ...).

Scope of supply:

- **DOSA Tec LEN** Solenoid diaphragm dosing pump, accessory set (foot valve, hose, injection valve, hose screw connection, level switch)

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item number:
LEN PVDF/Viton® (Dosing pump LEN with PVDF pump head and Viton® seals.)	2.50	20.0	120	14	4 x 6	41230400
	3.00	18.0				
	4.20	14.0				
	3.00	12.0	160	20		41230401
	4.00	10.0				
	5.00	8.0				
	8.00	2.0	300	40	41230404	
	7.00	16.0				
	10.00	10.0				
	14.00	6.0			8 x 12	41230407
	16.00	2.0				
	20.00	5.0				
	32.00	4.0				
	62.00	2.0				
	110.00	0.1				

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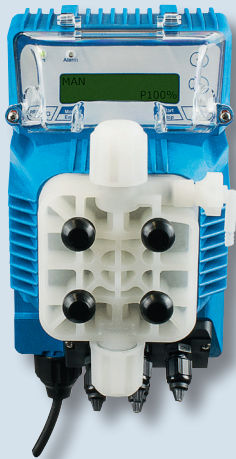
Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item number:
LEN PVDF/EPDM (Dosing pump LEN with PVDF pump head and EPDM seals.)	2.50	20.0	120	14	4 x 6	41230450
	3.00	18.0				
	4.20	14.0				
	3.00	12.0	160	20		41230451
	4.00	10.0				
	5.00	8.0				
	8.00	2.0				
	7.00	16.0	300	40	41230454	
	10.00	10.0				
	14.00	6.0				
	16.00	2.0			8 x 12	41230457
	20.00	5.0				
	32.00	4.0				
	62.00	2.0				
110.00	0.1					

Options:

Type:	Item number:
Self-venting pump head for:	91230005
L 2,50 l/h - 20,00 bar	
L 3,00 l/h - 12,00 bar	
L 10,00 l/h - 10,00 bar	
Reduction of the liter output by approx. 20%	

Solenoid diaphragm dosing pump for exact dosing of liquid media.



Product description:

- Capacity: 0 – 110 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 100 – 230 VAC
- Manual pump head ventilation valve
- Suitable for wall mounting
- Inputs:
 - Level control
 - external dosing start
 - direct pH regulation
 - direct redox (ORP) regulation
 - temperature sensor
- Output:
 - 4 – 20 mA signal
 - Alarm relay output
- Available languages: DE, EN, FR

3

Areas of application:

- Dosing of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, prexipitants, ...).

Scope of supply:

- **DOSA*Tec* LPO** Solenoid diaphragm dosing pump, accessory set (foot valve, hose, injection valve, hose screw connection, level switch)

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item number:
LPO PVDF/Viton® (Dosing pump LPO with PVDF pump head and Viton® seals.)	2.50	20.0	120	14	4 x 6	41230500
	3.00	18.0				
	4.20	14.0				
	3.00	12.0	160	20		41230501
	4.00	10.0				
	5.00	8.0				
	8.00	2.0	300	40	41230504	
	7.00	16.0				
	10.00	10.0				
	14.00	6.0			8 x 12	41230507
	16.00	2.0				
	20.00	5.0				
	32.00	4.0				
	62.00	2.0				
	110.00	0.1				

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11.03.2021

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item number:
LPO PVDF/EPDM (Dosing pump LPO with PVDF pump head and EPDM seals.)	2.50	20.0	120	14	4 x 6	41230550
	3.00	18.0				
	4.20	14.0				
	3.00	12.0	160	20		41230551
	4.00	10.0				
	5.00	8.0				
	8.00	2.0				
	7.00	16.0	300	40	41230554	
	10.00	10.0				
	14.00	6.0				
	16.00	2.0			8 x 12	41230557
	20.00	5.0				
	32.00	4.0				
	62.00	2.0				
110.00	0.1					

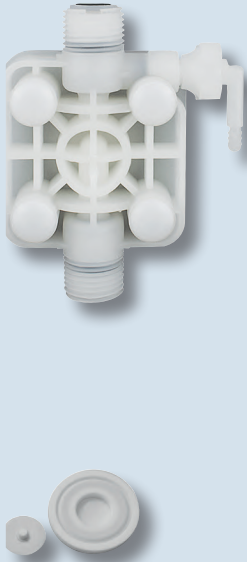
Options:

Type:	Item number:
Self-venting pump head for:	91230005
L 2,50 l/h - 20,00 bar	
L 3,00 l/h - 12,00 bar	
L 10,00 l/h - 10,00 bar	
Reduction of the liter output by approx. 20%	

1.1.12.

DOSATec Spare parts for solenoid diaphragm pumps **L** and **H**

Pump head and membrane for solenoid diaphragm pumps of the **L** and **H** series.



Product description:

- Pump heads made of PVDF
- Seals: Viton or EPDM
- Capacity: 0 ... 110 l/h
- Pressure range: 0.1 ... 20 bar
- Seal material: Viton®, EPDM
- Diaphragm material: PTFE

3

Areas of application:

- Spare parts.

Scope of supply:

- **DOSATec Pump head** of your choice/as ordered (incl. seal)
- **DOSATec Membrane** of your choice/as ordered

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Seal:	Item number:
Pump head L-1 for DOSATec series L	2.5 3.0	20 18	Viton®	90230200
Pump head L-1 for DOSATec series L	2.5 3.0	20 18	EPDM	90230201
Pump head L-2-3 for DOSATec series L	5.0 8.0 10.0 14.0 16.0	8 2 10 6 2	Viton®	90230210
Pump head L-2-3 for DOSATec series L	5.0 8.0 10.0 14.0 16.0	8 2 10 6 2	EPDM	90230211
Pump head L-4 for DOSATec series L	30.0 40.0 55.0 110.0	5 4 2 0.1	Viton®	90230220
Pump head L-4 for DOSATec series L	30.0 40.0 55.0 110.0	5 4 2 0.1	EPDM	90230221
Pump head H-1 for DOSATec series H	1.0 2.0 3.0 5.0	10.0 10.0 10 8	Viton®	90230240
Pump head H-1 for DOSATec series H	1.0 2.0 3.0 5.0	10.0 10.0 10 8	EPDM	90230241
Membrane L-1, L-2-3, H-1	For DOSATec series: L – H			90230300
Membrane L-4	For DOSATec series: L			90230305

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1.1.13.

DOSA Tec Solenoid diaphragm dosing pump PCO

Solenoid diaphragm dosing pump for exact dosing of liquid media.



Product description:

- Capacity: 0–16.4 l/h
- Pressure range: 0–16 bar
- Pump head material: PP, PVC, PVDF
- Seals material: EPDM, Viton®, PTFE
- Diaphragm material: PTFE - coated
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (US-plug)
- Manual pump-head ventilation
- Suitable for base mounting
- Manual adjustment of stroke frequency
- Manual adjustment of stroke length
- Inputs:
 - Level indicator
 - external dosing enabling (optional with retrofit kit)

3

Areas of application:

- Dosing of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, prexipitants, ...).

Scope of supply:

- **DOSA Tec PCO** Solenoid diaphragm dosing pump, accessory set (foot valve, hose, injection valve)

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item number:
PCO PP/Viton® (Dosing pump PCO with PP pump head and Viton® seals.)	0.74	10.0	180	4 x 6	4171000
	1.50	16.0	240	4 x 6	4171101
	1.00	10.0	240	4 x 6	4171100
	1.10	16.0	180	4 x 6	4171001
	2.10	10.0	180	4 x 6	4171002
	3.00	10.0	240	4 x 6	4171102
	3.90	7.0	180	4 x 6	4171003
	5.20	7.0	240	4 x 6	4171103
	9.00	3.0	180	5 x 8	4171004
	12.00	3.0	240	5 x 8	4171104
	16.40	1.5	180	5 x 8	4171005
	21.90	1.5	240	5 x 8	4171105

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Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item number:
PCO PP/EPDM (Dosing pump PCO with PP pump head and EPDM seals.)	0.74	10.0	180	4 x 6	4171010
	1.00	10.0	240	4 x 6	4171110
	1.10	16.0	180	4 x 6	4171011
	1.50	16.0	240	4 x 6	4171111
	2.10	10.0	180	4 x 6	4171012
	3.00	10.0	240	4 x 6	4171112
	3.90	7.0	180	4 x 6	4171013
	5.20	7.0	240	4 x 6	4171113
	9.00	3.0	180	5 x 8	4171014
	12.00	3.0	240	5 x 8	4171114
	16.4	1.5	180	5 x 8	4171015
	21.90	1.5	240	5 x 8	4171115
PCO PP/PTFE (Dosing pump PCO with PP pump head and PTFE seals.)	0.74	10.0	180	4 x 6	4171050
	1.00	10.0	240	4 x 6	4171150
	1.10	16.0	180	4 x 6	4171051
	1.50	16.0	240	4 x 6	4171151
	2.10	10.0	180	4 x 6	4171052
	3.00	10.0	240	4 x 6	4171152
	3.90	7.0	180	4 x 6	4171053
	5.20	7.0	240	4 x 6	4171153
	9.00	3.0	180	6 x 8	4171054
	12.00	3.0	240	6 x 8	4171154
	16.40	1.5	180	6 x 8	4171055
	21.90	1.5	240	6 x 8	4171155
PCO Acryl/Viton® (Dosing pump PCO with Acryl pump head and Viton® seals.)	0.74	10.0	180	4 x 6	4171020
	1.00	10.0	240	4 x 6	4171120
	1.10	16.0	180	4 x 6	4171021
	1.50	16.0	240	4 x 6	4171121
	2.10	10.0	180	4 x 6	4171022
	3.00	10.0	240	4 x 6	4171122
	3.90	7.0	180	4 x 6	4171023
	5.20	7.0	240	4 x 6	4171123
	9.00	3.0	180	5 x 8	4171024
	12.00	3.0	240	5 x 8	4171124
	16.40	1.5	180	5 x 8	4171025
	21.90	1.5	240	5 x 8	4171125
PCO Acryl/EPDM (Dosing pump PCO with Acryl pump head and EPDM seals.)	0.74	10.0	180	4 x 6	4171030
	1.00	10.0	240	4 x 6	4171130
	1.10	16.0	180	4 x 6	4171031
	1.50	16.0	240	4 x 6	4171131
	2.10	10.0	180	4 x 6	4171032
	3.00	10.0	240	4 x 6	4171132
	3.90	7.0	180	4 x 6	4171033
	5.20	7.0	240	4 x 6	4171133
	9.00	3.0	180	5 x 8	4171034
	12.00	3.0	240	5 x 8	4171134
	16.40	1.5	180	5 x 8	4171035
	21.90	1.5	240	5 x 8	4171135
PCO Acryl/PTFE (Dosing pump PCO with Acryl pump head and PTFE seals.)	0.74	10.0	180	4 x 6	4171060
	1.00	10.0	240	4 x 6	4171160
	1.10	16.0	180	4 x 6	4171061
	1.50	16.0	240	4 x 6	4171161
	2.10	10.0	180	4 x 6	4171062
	3.00	10.0	240	4 x 6	4171162

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10.01.2017

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item number:
PCO Acryl/PTFE (Dosing pump PCO with Acryl pump head and PTFE seals.)	3.90	7.0	180	4 x 6	4171063
	5.20	7.0	240	4 x 6	4171163
	9.00	3.0	180	6 x 8	4171064
	12.00	3.0	240	6 x 8	4171164
	16.40	1.5	180	6 x 8	4171065
	21.90	1.5	240	6 x 8	4171165
PCO PVDF/PTFE (Dosing pump PCO with PVDF pump head and PTFE seals.)	0.74	10.0	180	4 x 6	4171040
	1.00	10.0	240	4 x 6	4171140
	1.10	16.0	180	4 x 6	4171041
	1.50	16.0	240	4 x 6	4171141
	2.10	10.0	180	4 x 6	4171042
	3.00	10.0	240	4 x 6	4171142
	3.90	7.0	180	4 x 6	4171043
	5.20	7.0	240	4 x 6	4171143
	9.00	3.0	180	6 x 8	4171044
	12.00	3.0	240	6 x 8	4171144
	16.40	1.5	180	6 x 8	4171045
21.90	1.5	240	6 x 8	4171145	

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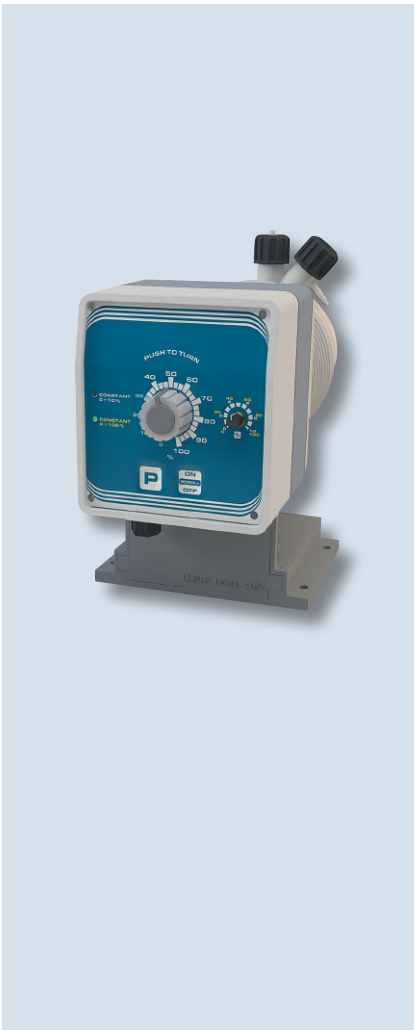
Options:

Type:	Item number:
Retrofit kit for external dosing approval and level switch	9071510
Level Switch 1 piece, with 3 m stranded wire	9071520

1.1.14.

DOSA Tec Solenoid-driven diaphragm dosing pump AMS CO

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media. Version for high viscosity media between 100 and 8000 cPs available for the LPV version.



Product description:

- Capacity: 0 – 60 l/h
- Pressure range: 0 – 25 bar
- Pump head material: PVDF
 - option: PP, acrylic, stainless steel
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head priming valve
- Suitable for mounting on a base
- Manual stroke frequency adjustment 0 – 100 %
- Manual stroke length adjustment 0/25 – 100 %
- Pulse scaling 1 : 10
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMS CO**, accessory set (foot valve, hose, hose thread, injection valve)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS CO PVDF/Viton® (AMS CO dosing pump with PVDF pump head and Viton® seals.)	5	25	120	Suction side: PVC hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12	3813500
	10	15			3813501
	20	7			3813502
	40	3			3813503
	60	2			3813504
				Discharge side: PDVF hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS CO PVDF/EPDM (AMS CO dosing pump with PVDF pump head and EPDM seals.)	5	25	120	Suction side: PVC hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12 Discharge side: PDVF hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12	3813520
	10	15			3813521
	20	7			3813522
	40	3			3813523
	60	2			3813524

3

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Stainless steel AISI 316 pump head Li	8913160
Stainless steel AISI 316 pump head Mi	8913165
Stainless steel AISI 316 pump head Ni	8913170
Stainless steel AISI 316 pump head Si	8913175
Stainless steel AISI 316 pump head Ti	8913180
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head N	8913140
Acrylic pump head S	8913145
Acrylic pump head T	8913150
PVDF hose for AMS pump series, 5.0 l/h, AMSA 3.2 l/h*	8713050
PVDF hose for AMS pump series, 10.0 l/h, AMSA 6.0 l/h*	8713055
PVDF hose for AMS pump series, 20.0 l/h, AMSA 13.0 l/h*	8713060
PVDF hose for AMS pump series, 40.0 l/h, AMSA 30.0 l/h*	8713065
PVDF hose for AMS pump series, 60.0 l/h, AMSA 38.5 l/h*	8713070
Acrylic pump head LPV L up to 8000 cPs	8913310
Acrylic pump head LPV M up to 8000 cPs	8913311
Acrylic pump head LPV N up to 8000 cPs	8913312
Acrylic pump head LPV S up to 8000 cPs	8913313
**No accessories included.	
**Hose connection for acrylic pump head up to 8000 cPs: discharge side 16 x 22 PVC hose, suction side 8 x 12 PE hose. Foot valve made of stainless steel not included.	
Surcharge for stainless steel dosing head (excl. accessories and hoses). Please specify the required thread (cylindrical, conical or NPT) in your order	

Pump heads:

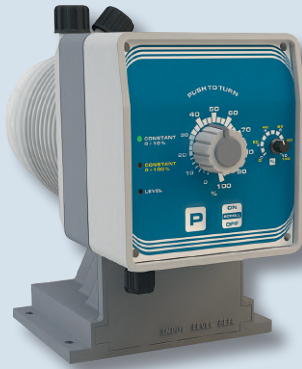
Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMS CO	5	25	L
	10	15	M
	20	7	N
	40	3	S
	60	2	T

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
20.04.2020

1.1.15.

DOSA Tec Solenoid-driven diaphragm dosing pump AMS CL

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media. Version for high viscosity media between 100 and 8000 cPs available for the LPV version.



Product description:

- Capacity: 0 – 60 l/h
- Pressure range: 0 – 25 bar
- Pump head material: PVDF
 - option: PP, acrylic, stainless steel
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head priming valve
- Suitable for mounting on a base
- Manual stroke frequency adjustment 0 – 100 %
- Manual stroke length adjustment 0/25 – 100 %
- Pulse scaling 1 : 10
- Level control input
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMS CL**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS CL PVDF/Viton® (AMS CL dosing pump with PVDF pump head and Viton® seals.)	5	25	120	Suction side: PVC hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12 Discharge side: PDVF hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12	3813540
	10	15			3813541
	20	7			3813542
	40	3			3813543
	60	2			3813544

Viton® is a registered trademark of DuPont Dow Elastomer.

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS CL PVDF/EPDM (AMS CL dosing pump with PVDF pump head and EPDM seals.)	5	25	120	Suction side: PVC hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12 Discharge side: PDVF hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12	3813560
	10	15			3813561
	20	7			3813562
	40	3			3813563
	60	2			3813564

3

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Stainless steel AISI 316 pump head Li	8913160
Stainless steel AISI 316 pump head Mi	8913165
Stainless steel AISI 316 pump head Ni	8913170
Stainless steel AISI 316 pump head Si	8913175
Stainless steel AISI 316 pump head Ti	8913180
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head N	8913140
Acrylic pump head S	8913145
Acrylic pump head T	8913150
PVDF hose for AMS pump series, 5.0 l/h, AMSA 3.2 l/h*	8713050
PVDF hose for AMS pump series, 10.0 l/h, AMSA 6.0 l/h*	8713055
PVDF hose for AMS pump series, 20.0 l/h, AMSA 13.0 l/h*	8713060
PVDF hose for AMS pump series, 40.0 l/h, AMSA 30.0 l/h*	8713065
PVDF hose for AMS pump series, 60.0 l/h, AMSA 38.5 l/h*	8713070
Acrylic pump head LPV L up to 8000 cPs	8913310
Acrylic pump head LPV M up to 8000 cPs	8913311
Acrylic pump head LPV N up to 8000 cPs	8913312
Acrylic pump head LPV S up to 8000 cPs	8913313
**No accessories included.	
**Hose connection for acrylic pump head up to 8000 cPs: discharge side 16 x 22 PVC hose, suction side 8 x 12 PE hose. Foot valve made of stainless steel not included.	
Surcharge for stainless steel dosing head (excl. accessories and hoses). Please specify the required thread (cylindrical, conical or NPT) in your order	

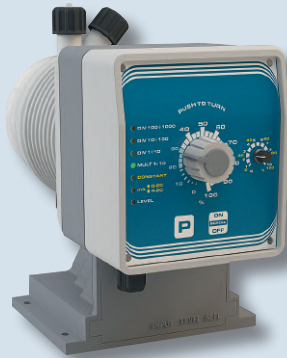
Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMS CL	5	25	L
	10	15	M
	20	7	N
	40	3	S
	60	2	T

1.1.16.

DOSA Tec Solenoid-driven diaphragm dosing pump AMS Plus

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media. Version for high viscosity media between 100 and 8000 cPs available for the LPV version.



Product description:

- Capacity: 0 – 60 l/h,
- pressure range: 0 – 25 bar
- Pump head material: PVDF
 - option: PP, acrylic, stainless steel
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head priming valve
- Suitable for mounting on a base
- Manual stroke frequency adjustment 0 – 100 %
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - Pulses
 - 4 – 20 mA signal
- Alarm output (option)
- Modes:
 - Pulse multiplication
 - Pulse division
 - Conversion of analogue input signals
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMS Plus**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Plus PVDF/Viton® (AMS Plus dosing pump with PVDF pump head and Viton® seals.) Viton® is a registered trademark of DuPont Dow Elastomer.	5	25	120	Suction side: PVC hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12 Discharge side: PDVF hose from 5 l 25 up 4 x 6 at 20 l 7 6 x 8 from 40 l 3 up 8 x 10	3813740
	10	15			3813741
	20	7			3813742
	40	3			3813743
	60	2			3813744

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20.04.2020

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Plus PVDF/EPDM (AMS Plus dosing pump with PVDF pump head and EPDM seals.)	5	25	120	Suction side: PVC hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12 Discharge side: PVDF hose from 5 l 25 up 4 x 6 at 20 l 7 6 x 8 from 40 l 3 up 8 x 10	3813760
	10	15			3813761
	20	7			3813762
	40	3			3813763
	60	2			3813764

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Stainless steel AISI 316 pump head Li	8913160
Stainless steel AISI 316 pump head Mi	8913165
Stainless steel AISI 316 pump head Ni	8913170
Stainless steel AISI 316 pump head Si	8913175
Stainless steel AISI 316 pump head Ti	8913180
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head N	8913140
Acrylic pump head S	8913145
Acrylic pump head T	8913150
PVDF hose for AMS pump series, 5.0 l/h, AMSA 3.2 l/h*	8713050
PVDF hose for AMS pump series, 10.0 l/h, AMSA 6.0 l/h*	8713055
PVDF hose for AMS pump series, 20.0 l/h, AMSA 13.0 l/h*	8713060
PVDF hose for AMS pump series, 40.0 l/h, AMSA 30.0 l/h*	8713065
PVDF hose for AMS pump series, 60.0 l/h, AMSA 38.5 l/h*	8713070
Acrylic pump head LPV L up to 8000 cPs	8913310
Acrylic pump head LPV M up to 8000 cPs	8913311
Acrylic pump head LPV N up to 8000 cPs	8913312
Acrylic pump head LPV S up to 8000 cPs	8913313
External level/alarm contact NO/NC	9013522
**No accessories included.	
**Hose connection for acrylic pump head up to 8000 cPs: discharge side 16 x 22 PVC hose, suction side 8 x 12 PE hose. Foot valve made of stainless steel not included.	
Surcharge for stainless steel dosing head (excl. accessories and hoses). Please specify the required thread (cylindrical, conical or NPT) in your order	

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMS Plus	5	25	L
	10	15	M
	20	7	N
	40	3	S
	60	2	T

1.1.17.

DOSA Tec Solenoid-driven diaphragm dosing pump AMSA CO

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 38.5 l/h
- Pressure range: 0 – 25 bar
- Pump head material: PVDF
 - optional: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke frequency adjustment 0 – 100 %
- Manual stroke length adjustment 0/25 – 100 %
- Pulse scaling 1 : 10
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMSA CO**, accessory set (foot valve, hose, hose thread, injection valve)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMSA CO PVDF/Viton® (AMSA CO dosing pump with PVDF pump head and Viton® seals.)	3.2	25	120	Suction side: PVC hose from 3.2/5 l/h up 4 x 6 at 13.0/7 l/h 6 x 8 from 30/3 l/h up 8 x 12	3913720
	6.0	15			3913721
	13.0	7			3913722
	30.0	3			3913723
	38.5	2			3913724
				Discharge side: PDVF hose from 3.2/5 l/h up 4 x 6 at 13.0/7 l/h 6 x 8 from 30/3 l/h up 8 x 12	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMSA CO PVDF/EPDM (AMSA CO dosing pump with PVDF pump head and EPDM seals.)	3.2	25	120	Suction side: PVC hose from 3.2/5 l/h up 4 x 6 at 13.0/7 l/h 6 x 8 from 30/3 l/h up 8 x 12 Discharge side: PVDF hose from 3.2/5 l/h up 4 x 6 at 13.0/7 l/h 6 x 8 from 30/3 l/h up 8 x 12	3913730
	6.0	15			3913731
	13.0	7			3913732
	30.0	3			3913733
	38.5	2			3913734

3

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Self-venting acrylic pump head LA	8913107
Self-venting acrylic pump head MA	8913112
Self-venting acrylic pump head NA	8913117
Self-venting acrylic pump head SA	8913122
Self-venting acrylic pump head TA	8913127
PVDF hose for AMS pump series 5.0 l/h, AMSA 3.2 l/h	8713050
PVDF hose for AMS pump series 10.0 l/h, AMSA 6.0 l/h	8713055
PVDF hose for AMS pump series 20.0 l/h, AMSA 13.0 l/h	8713060
PVDF hose for AMS pump series 40.0 l/h, AMSA 30.0 l/h	8713065
PVDF hose for AMS pump series 60.0 l/h, AMSA 38.5 l/h	8713070

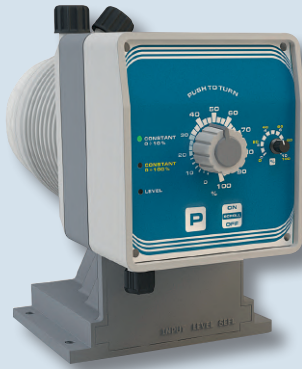
Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMSA CO	3.2	25	LA
	6.0	15	MM
	13.0	7	NA
	30.0	3	SA
	38.5	2	TA

1.1.18.

DOSA Tec Solenoid-driven diaphragm dosing pump **AMSA CL**

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 38.5 l/h
- Pressure range: 0 – 25 bar
- Pump head material: PVDF
 - optional: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke frequency adjustment 0 – 100 %
- Manual stroke length adjustment 0/25 – 100 %
- Pulse scaling 1 : 10
- Level control input
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMSA CL**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMSA CL PVDF/Viton® (AMSA CL dosing pump with PVDF pump head and Viton® seals.)	3.2	25	120	Suction side: PVC hose from 3.2/25 l/h up 4 x 6 at 13/7 l/h 6 x 8 from 30/3 l/h up 8 x 12 Discharge side: PDVF hose from 3.2/25 l/h up 4 x 6 at 13/7 l/h 6 x 8 from 30/3 l/h up 8 x 12	3913740
	6.0	15			3913741
	13.0	7			3913742
	30.0	3			3913743
	38.5	2			3913744

Viton® is a registered trademark of DuPont Dow Elastomer.

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMSA CL PVDF/EPDM (AMSA CL dosing pump with PVDF pump head and EPDM seals.)	3.2	25	120	Suction side: PVC hose from 3.2/25 l/h up 4 x 6 at 13/7 l/h 6 x 8 from 30/3 l/h up 8 x 12 Discharge side: PVDF hose from 3.2/25 l/h up 4 x 6 at 13/7 l/h 6 x 8 from 30/3 l/h up 8 x 12	3913750
	6.0	15			3913751
	13.0	7			3913752
	30.0	3			3913753
	38.5	2			3913754

3

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Self-venting acrylic pump head LA	8913107
Self-venting acrylic pump head MA	8913112
Self-venting acrylic pump head NA	8913117
Self-venting acrylic pump head SA	8913122
Self-venting acrylic pump head TA	8913127
PVDF hose for AMS pump series 5.0 l/h, AMSA 3.2 l/h	8713050
PVDF hose for AMS pump series 10.0 l/h, AMSA 6.0 l/h	8713055
PVDF hose for AMS pump series 20.0 l/h, AMSA 13.0 l/h	8713060
PVDF hose for AMS pump series 40.0 l/h, AMSA 30.0 l/h	8713065
PVDF hose for AMS pump series 60.0 l/h, AMSA 38.5 l/h	8713070

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMSA CL	3.2	25	LA
	6.0	15	MM
	13.0	7	NA
	30.0	3	SA
	38.5	2	TA

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 38.5 l/h,
- pressure range: 0 – 25 bar
- Pump head material: PVDF
 - optional: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke frequency adjustment 0 – 100 %
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - Pulses
 - 4 – 20 mA signal
- Alarm output (option)
- Modes:
 - Pulse division
 - Dosing of pre-set volumes
 - Conversion of analogue input signals
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMSA Plus**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMSA Plus PVDF/Viton® (AMSA Plus dosing pump with PVDF pump head and Viton® seals.)	3.2	25	120	Suction side: PVC hose from 3.2/25 l/h up 4 x 6 at 13/7 l/h 6 x 8 from 30/3 l/h up 8 x 12	3913840
	6.0	15			3913841
	13.0	7			3913842
	30.0	3			3913843
	38.5	2			3913844
				Discharge side: PDVF hose from 3.2/25 l/h up 4 x 6 at 13/7 l/h 6 x 8 from 30/3 l/h up 8 x 12	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMSA Plus PVDF/EPDM (AMSA Plus dosing pump with PVDF pump head and EPDM seals.)	3.2	25	120	Suction side: PVC hose from 3.2/25 l/h up 4 x 6 at 13/7 l/h 6 x 8 from 30/3 l/h up 8 x 12 Discharge side: PDVF hose from 3.2/25 l/h up 4 x 6 at 13/7 l/h 6 x 8 from 30/3 l/h up 8 x 12	3913850
	6.0	15			3913851
	13.0	7			3913852
	30.0	3			3913853
	38.5	2			3913854

3

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Self-venting acrylic pump head LA	8913107
Self-venting acrylic pump head MA	8913112
Self-venting acrylic pump head NA	8913117
Self-venting acrylic pump head SA	8913122
Self-venting acrylic pump head TA	8913127
PVDF hose for AMS pump series 5.0 l/h , AMSA 3.2 l/h	8713050
PVDF hose for AMS pump series 10.0 l/h , AMSA 6.0 l/h	8713055
PVDF hose for AMS pump series 20.0 l/h , AMSA 13.0 l/h	8713060
PVDF hose for AMS pump series 40.0 l/h , AMSA 30.0 l/h	8713065
PVDF hose for AMS pump series 60.0 l/h , AMSA 38.5 l/h	8713070
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMSA Plus	3.2	25	LA
	6.0	15	MM
	13.0	7	NA
	30.0	3	SA
	38.5	2	TA

1.1.20.

DOSATec Solenoid-driven diaphragm dosing pump AMS Digital MF

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media. Version for high viscosity media between 100 and 8000 cPs available for the LPV version.



Product description:

- Capacity: 0 – 60 l/h
- Pressure range: 0 – 25 bar
- Pump head material: PVDF
 - optional: PP, acrylic, stainless steel
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head priming valve
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Pulses
 - Flow rate monitoring
 - 4 – 20 mA signal
 - 0 – 10 V signal
- Alarm output
- Modes:
 - Pulse multiplication
 - Pulse division
 - Dosing of pre-set volumes
 - Conversion of analogue input signals
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSATec** Solenoid-driven diaphragm dosing pump **AMS Digital MF**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Digital MF PVDF/Viton® (AMS Digital MF dosing pump with PVDF pump head and Viton® seals.)	5	25	120	Suction side: PVC hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12 Discharge side: PDVF hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12	3813780
	10	15			3813781
	20	7			3813782
	40	3			3813783
	60	2			3813784

Viton® is a registered trademark of DuPont Dow Elastomer.

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Digital MF PVDF/EPDM (AMS Digital MF dosing pump with PVDF pump head and EPDM seals.)	5	25	120	Suction side: PVC hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12 Discharge side: PDVF hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12	3813800
	10	15			3813801
	20	7			3813802
	40	3			3813803
	60	2			3813804

3

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Stainless steel AISI 316 pump head Li	8913160
Stainless steel AISI 316 pump head Mi	8913165
Stainless steel AISI 316 pump head Ni	8913170
Stainless steel AISI 316 pump head Si	8913175
Stainless steel AISI 316 pump head Ti	8913180
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head N	8913140
Acrylic pump head S	8913145
Acrylic pump head T	8913150
PVDF hose for AMS pump series, 5.0 l/h, AMSA 3.2 l/h*	8713050
PVDF hose for AMS pump series, 10.0 l/h, AMSA 6.0 l/h*	8713055
PVDF hose for AMS pump series, 20.0 l/h, AMSA 13.0 l/h*	8713060
PVDF hose for AMS pump series, 40.0 l/h, AMSA 30.0 l/h*	8713065
PVDF hose for AMS pump series, 60.0 l/h, AMSA 38.5 l/h*	8713070
Acrylic pump head LPV L up to 8000 cPs	8913310
Acrylic pump head LPV M up to 8000 cPs	8913311
Acrylic pump head LPV N up to 8000 cPs	8913312
Acrylic pump head LPV S up to 8000 cPs	8913313
**No accessories included.	
**Hose connection for acrylic pump head up to 8000 cPs: discharge side 16 x 22 PVC hose, suction side 8 x 12 PE hose. Foot valve made of stainless steel not included.	
Surcharge for stainless steel dosing head (excl. accessories and hoses). Please specify the required thread (cylindrical, conical or NPT) in your order	

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMS Digital MF	5	25	L
	10	15	M
	20	7	N
	40	3	S
	60	2	T

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
20.04.2020

1.1.21.

DOSA Tec Solenoid-driven diaphragm dosing pump **AMS Digital PH**

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media. Version for high viscosity media between 100 and 8000 cPs available for the LPV version.



Product description:

- Capacity: 0 – 60 l/h
- Pressure range: 0 – 25 bar
- Pump head material: PVDF
 - optional: PP, acrylic, stainless steel
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head priming valve
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Direct pH control, pH 0 – 14
- Alarm output (option)
- Conversion of analogue input signals
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMS Digital PH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Digital PH PVDF/Viton® (AMS Digital PH dosing pump with PVDF pump head and Viton® seals.)	5	25	120	Suction side: PVC hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12	3813820
	10	15			3813821
	20	7			3813822
	40	3			3813823
	60	2			3813824
				Discharge side: PDVF hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Digital PH PVDF/EPDM (AMSDigital PH dosing pump with PVDF pump head and EPDM seals.)	5	25	120	Suction side: PVC hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12 Discharge side: PDVF hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12	3813840
	10	15			3813841
	20	7			3813842
	40	3			3813843
	60	2			3813844

Options:

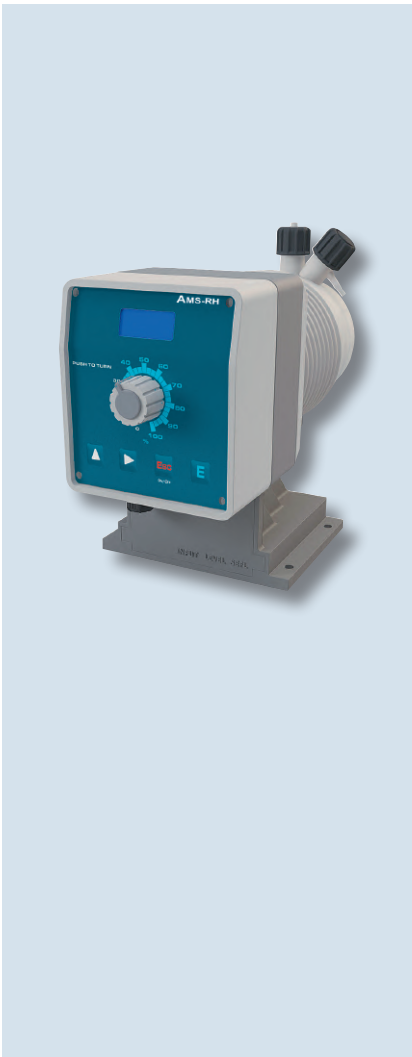
Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Stainless steel AISI 316 pump head Li	8913160
Stainless steel AISI 316 pump head Mi	8913165
Stainless steel AISI 316 pump head Ni	8913170
Stainless steel AISI 316 pump head Si	8913175
Stainless steel AISI 316 pump head Ti	8913180
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head N	8913140
Acrylic pump head S	8913145
Acrylic pump head T	8913150
PVDF hose for AMS pump series, 5.0 l/h, AMSA 3.2 l/h*	8713050
PVDF hose for AMS pump series, 10.0 l/h, AMSA 6.0 l/h*	8713055
PVDF hose for AMS pump series, 20.0 l/h, AMSA 13.0 l/h*	8713060
PVDF hose for AMS pump series, 40.0 l/h, AMSA 30.0 l/h*	8713065
PVDF hose for AMS pump series, 60.0 l/h, AMSA 38.5 l/h*	8713070
Acrylic pump head LPV L up to 8000 cPs	8913310
Acrylic pump head LPV M up to 8000 cPs	8913311
Acrylic pump head LPV N up to 8000 cPs	8913312
Acrylic pump head LPV S up to 8000 cPs	8913313
External level/alarm contact NO/NC	9013522
**No accessories included.	
**Hose connection for acrylic pump head up to 8000 cPs: discharge side 16 x 22 PVC hose, suction side 8 x 12 PE hose. Foot valve made of stainless steel not included.	
Surcharge for stainless steel dosing head (excl. accessories and hoses). Please specify the required thread (cylindrical, conical or NPT) in your order	

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMS Digital PH	5	25	L
	10	15	M
	20	7	N
	40	3	S
	60	2	T

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
20.04.2020

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media. Version for high viscosity media between 100 and 8000 cPs available for the LPV version.



Product description:

- Capacity: 0 – 60 l/h
- Pressure range: 0 – 25 bar
- Pump head material: PVDF
 - optional: PP, acrylic, stainless steel
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head priming valve
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Direct redox control
- Alarm output (option)
- Mode: proportional to the measured value, or On/Off
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMS Digital RH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Digital RH PVDF/Viton® (AMS Digital RH dosing pump with PVDF pump head and Viton® seals.)	5	25	120	Suction side: PVC hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12 Discharge side: PDVF hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12	3813860
	10	15			3813861
	20	7			3813862
	40	3			3813863
	60	2			3813864

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Digital RH PVDF/EPDM (AMS Digital RH dosing pump with PVDF pump head and EPDM seals.)	5	25	120	Suction side: PVC hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12 Discharge side: PDVF hose from 5/25 l/h up 4 x 6 from 20/7 l/h up 6 x 8 from 40/3 l/h up 8 x 12	3813880
	10	15			3813881
	20	7			3813882
	40	3			3813883
	60	2			3813884

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Stainless steel AISI 316 pump head Li	8913160
Stainless steel AISI 316 pump head Mi	8913165
Stainless steel AISI 316 pump head Ni	8913170
Stainless steel AISI 316 pump head Si	8913175
Stainless steel AISI 316 pump head Ti	8913180
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head N	8913140
Acrylic pump head S	8913145
Acrylic pump head T	8913150
PVDF hose for AMS pump series, 5.0 l/h, AMSA 3.2 l/h*	8713050
PVDF hose for AMS pump series, 10.0 l/h, AMSA 6.0 l/h*	8713055
PVDF hose for AMS pump series, 20.0 l/h, AMSA 13.0 l/h*	8713060
PVDF hose for AMS pump series, 40.0 l/h, AMSA 30.0 l/h*	8713065
PVDF hose for AMS pump series, 60.0 l/h, AMSA 38.5 l/h*	8713070
Acrylic pump head LPV L up to 8000 cPs	8913310
Acrylic pump head LPV M up to 8000 cPs	8913311
Acrylic pump head LPV N up to 8000 cPs	8913312
Acrylic pump head LPV S up to 8000 cPs	8913313
External level/alarm contact NO/NC	9013522
**No accessories included.	
**Hose connection for acrylic pump head up to 8000 cPs: discharge side 16 x 22 PVC hose, suction side 8 x 12 PE hose. Foot valve made of stainless steel not included.	
Surcharge for stainless steel dosing head (excl. accessories and hoses). Please specify the required thread (cylindrical, conical or NPT) in your order	

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMS Digital PH	5	25	L
	10	15	M
	20	7	N
	40	3	S
	60	2	T

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 38.5 l/h
- Pressure range: 0 – 25 bar
- Pump head material: PVDF
 - optional: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Pulses
 - Flow rate monitoring
 - 4 – 20 mA signal
 - 0 – 10 V signal
- Modes:
 - Pulse multiplication
 - Pulse division
 - Conversion of analogue input signals
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMSA Digital MF**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMSA Digital MF PVDF/Viton® (AMSA Digital MF dosing pump with PVDF pump head and Viton® seals.)	3.2	25	120	Suction side: PVC hose from 3.2/25 l/h up 4 x 6 from 13/7 l/h up 6 x 8 from 30/3 l/h up 8 x 12	3913860
	6.0	15			3913861
	13.0	7			3913862
	30.0	3			3913863
	38.5	2			3913864
				Discharge side: PDVF hose from 3.2/25 l/h up 4 x 6 from 13/7 l/h up 6 x 8 from 30/3 l/h up 8 x 12	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMSA Digital MF PVDF/EPDM (AMSADigital MF dosing pump with PVDF pump head and EPDM seals.)	3.2	25	120	Suction side: PVC hose from 3.2/25 l/h up 4 x 6 from 13/7 l/h up 6 x 8 from 30/3 l/h up 8 x 12 Discharge side: PDVF hose from 3.2/25 l/h up 4 x 6 from 13/7 l/h up 6 x 8 from 30/3 l/h up 8 x 12	3913870
	6.0	15			3913871
	13.0	7			3913872
	30.0	3			3913873
	38.5	2			3913874

3

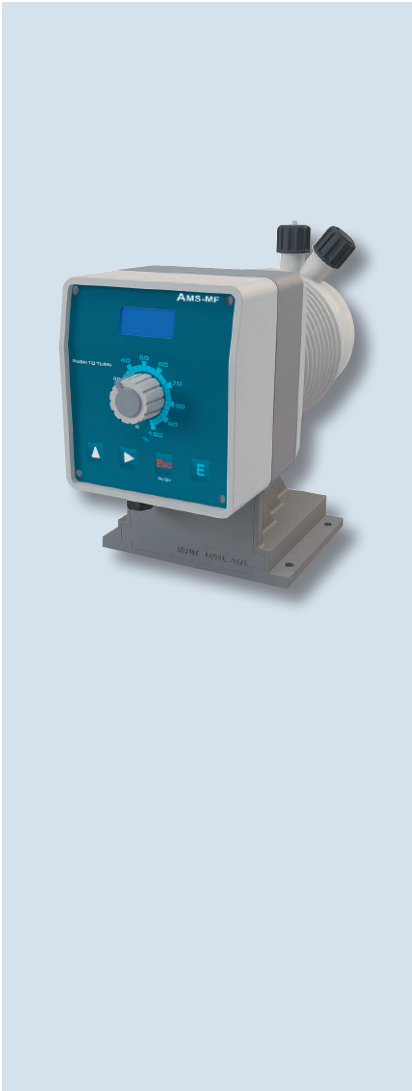
Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Self-venting acrylic pump head LA	8913107
Self-venting acrylic pump head MA	8913112
Self-venting acrylic pump head NA	8913117
Self-venting acrylic pump head SA	8913122
Self-venting acrylic pump head TA	8913127
PVDF hose for AMS pump series 5.0 l/h, AMSA 3.2 l/h	8713050
PVDF hose for AMS pump series 10.0 l/h, AMSA 6.0 l/h	8713055
PVDF hose for AMS pump series 20.0 l/h, AMSA 13.0 l/h	8713060
PVDF hose for AMS pump series 40.0 l/h, AMSA 30.0 l/h	8713065
PVDF hose for AMS pump series, 60.0 l/h, AMSA 38.5 l/h	8713070

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMSA Digital MF	3.2	25	LA
	6.0	15	MM
	13.0	7	NA
	30.0	3	SA
	38.5	2	TA

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 38.5 l/h
- Pressure range: 0 – 25 bar
- Pump head material: PVDF
 - optional: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Direct pH control, pH 0 – 14
- Alarm output (option)
- Conversion of analogue input signals
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMSA Digital PH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMSA Digital PH PVDF/Viton® (AMSA Digital PH dosing pump with PVDF pump head and Viton® seals.)	3.2	25	120	Suction side: PVC hose from 3.2/25 l/h up 4 x 6 from 13/7 l/h up 6 x 8 from 30/3 l/h up 8 x 12 Discharge side: PDVF hose from 3.2/25 l/h up 4 x 6 from 13/7 l/h up 6 x 8 from 30/3 l/h up 8 x 12	3913880
	6.0	15			3913881
	13.0	7			3913882
	30.0	3			3913883
	38.5	2			3913884

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMSA Digital PH PVDF/EPDM (AMSADigital PH dosing pump with PVDF pump head and EPDM seals.)	3.2	25	120	Suction side: PVC hose from 3.2/25 l/h up 4 x 6 from 13/7 l/h up 6 x 8 from 30/3 l/h up 8 x 12 Discharge side: PDVF hose from 3.2/25 l/h up 4 x 6 from 13/7 l/h up 6 x 8 from 30/3 l/h up 8 x 12	3913890
	6.0	15			3913891
	13.0	7			3913892
	30.0	3			3913893
	38.5	2			3913894

3

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Self-venting acrylic pump head LA	8913107
Self-venting acrylic pump head MA	8913112
Self-venting acrylic pump head NA	8913117
Self-venting acrylic pump head SA	8913122
Self-venting acrylic pump head TA	8913127
PVDF hose for AMS pump series 5.0 l/h, AMSA 3.2 l/h	8713050
PVDF hose for AMS pump series 10.0 l/h, AMSA 6.0 l/h	8713055
PVDF hose for AMS pump series 20.0 l/h, AMSA 13.0 l/h	8713060
PVDF hose for AMS pump series 40.0 l/h, AMSA 30.0 l/h	8713065
PVDF hose for AMS pump series, 60.0 l/h, AMSA 38.5 l/h	8713070
External level/alarm contact NO /NC	9013522

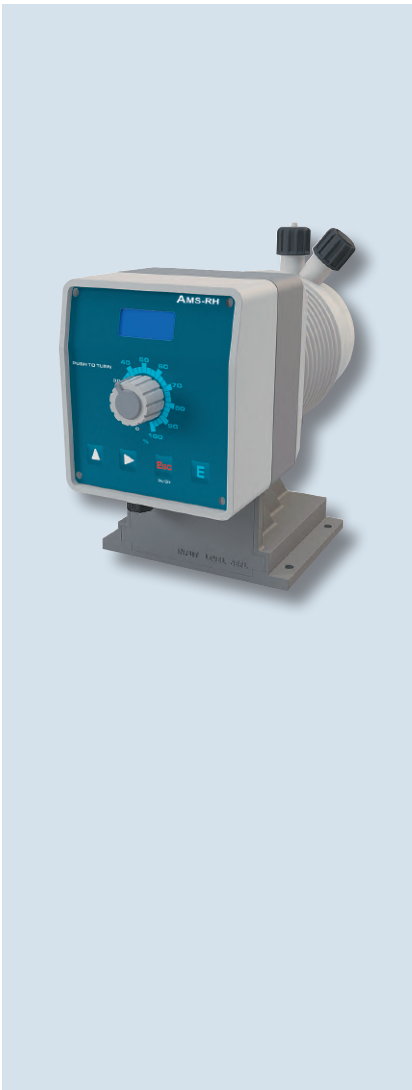
Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMSA Digital PH	3.2	25	LA
	6.0	15	MM
	13.0	7	NA
	30.0	3	SA
	38.5	2	TA

1.1.25.

DOSA Tec Solenoid-driven diaphragm dosing pump **AMSA Digital RH**

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 38.5 l/h
- Pressure range: 0 – 25 bar
- Pump head material: PVDF
 - optional: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Direct redox control
- Alarm output (option)
- Conversion of analogue input signals
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMSA Digital RH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMSA Digital RH PVDF/Viton® (AMSA Digital RH dosing pump with PVDF pump head and Viton® seals.)	3.2	25	120	Suction side: PVC hose from 3.2/25 l/h up 4 x 6 from 13/7 l/h up 6 x 8 from 30/3 l/h up 8 x 12 Discharge side: PDVF hose from 3.2/25 l/h up 4 x 6 from 13/7 l/h up 6 x 8 from 30/3 l/h up 8 x 12	3913900
	6.0	15			3913901
	13.0	7			3913902
	30.0	3			3913903
	38.5	2			3913904

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMSA Digital RH PVDF/EPDM (AMSA Digital RH dosing pump with PVDF pump head and EPDM seals.)	3.2	25	120	Suction side: PVC hose from 3.2/25 l/h up 4 x 6 from 13/7 l/h up 6 x 8 from 30/3 l/h up 8 x 12 Discharge side: PDVF hose from 3.2/25 l/h up 4 x 6 from 13/7 l/h up 6 x 8 from 30/3 l/h up 8 x 12	3913910
	6.0	15			3913911
	13.0	7			3913912
	30.0	3			3913913
	38.5	2			3913914

3

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Self-venting acrylic pump head LA	8913107
Self-venting acrylic pump head MA	8913112
Self-venting acrylic pump head NA	8913117
Self-venting acrylic pump head SA	8913122
Self-venting acrylic pump head TA	8913127
PVDF hose for AMS pump series 5.0 l/h, AMSA 3.2 l/h	8713050
PVDF hose for AMS pump series 10.0 l/h, AMSA 6.0 l/h	8713055
PVDF hose for AMS pump series 20.0 l/h, AMSA 13.0 l/h	8713060
PVDF hose for AMS pump series 40.0 l/h, AMSA 30.0 l/h	8713065
PVDF hose for AMS pump series, 60.0 l/h, AMSA 38.5 l/h	8713070
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMSA Digital RH	3.2	25	LA
	6.0	15	MM
	13.0	7	NA
	30.0	3	SA
	38.5	2	TA

1.1.26.

DOSA Tec Solenoid-driven diaphragm dosing pump AMS Polymer CO

Solenoid-driven diaphragm dosing pump for high viscosity media up to 50,000 cPs for the capacity range between 0–40 l/h.



Product description:

- Capacity: 0–40 l/h
- Pressure range: 0–8 bar
- Pump head material: PMMA (acrylic)
- Seals material: Viton®
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25–100 %
- Factor 1 : 10
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMS Polymer CO**, accessory set (foot valve, hose, hose thread, injection valve)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Polymer CO PMMA/Viton® (AMS Polymer CO dosing pump with PMMA pump head and Viton® seals.)	2	8	120	Suction side: PVC braided hose 20 x 27 Discharge side: PVC braided hose 16 x 22	3813930
	4	6			3813931
	10	4			3813932
	25	2			3813933
	40	1			3813934

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Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMS Polymer CO	2	8	LP
	4	6	MP
	10	4	NP
	25	2	SP
	40	1	TP

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
21.04.2020

1.1.27.

DOSA Tec Solenoid-driven diaphragm dosing pump AMS Polymer Plus

Solenoid-driven diaphragm dosing pump for high viscosity media up to 50,000 cPs.



Product description:

- Capacity: 0 – 40 l/h
- Pressure range: 0 – 8 bar
- Pump head material: PMMA (acrylic)
- Seals material: Viton®
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - Pulses
 - 4 – 20 mA signal
- Alarm output (option)
- Modes:
 - Pulse multiplication
 - Pulse division
 - Conversion of analogue input signals
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pumps **AMS Polymer Plus**, accessory set (foot valve, hose, hose thread, injection valve)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Polymer Plus PMMA/Viton® (AMS Polymer Plus dosing pump with PMMA pump head and Viton® seals.)	2	8	120	Suction side: PVC braided hose 20 x 27 Discharge side: PVC braided hose 16 x 22	3813935
	4	6			3813936
	10	4			3813937
	25	2			3813938
	40	1			3813939
Optional external level/alarm contact NO/NC					9013522

Viton® is a registered trademark of DuPont Dow Elastomer.

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMS Polymer Plus	2	8	LP
	4	6	MP
	10	4	NP
	25	2	SP
	40	1	TP

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
21.04.2020

1.1.28.

DOSA Tec Solenoid-driven diaphragm dosing pump AMS Polymer MF

Solenoid-driven diaphragm dosing pump for high viscosity media up to 50,000 cPs.



Product description:

- Capacity: 0 – 40 l/h, pressure range: 0 – 8 bar
- Pump head material: PMMA (acrylic)
- Seals material: Viton®
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Pulses
 - Flow rate monitoring
 - 4 – 20 mA signal
 - 0 – 10 V signal
- Alarm output
- Modes:
 - Pulse multiplication
 - Pulse division
 - Conversion of analogue input signals
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMS Digital Polymer MF**, accessory set (foot valve, hose, hose thread, injection valve)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Digital Polymer MF PMMA/Viton® (AMS Digital Polymer MF dosing pump with PMMA pump head and Viton® seals)	2	8	120	Suction side: PVC braided hose 20 x 27 Discharge side: PVC braided hose 16 x 22	3813960
	4	6			3813961
	10	4			3813962
	25	2			3813963
	40	1			3813964

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Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMS Digital Polymer MF	2	8	LP
	4	6	MP
	10	4	NP
	25	2	SP
	40	1	TP

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
21.04.2020

1.1.29.

DOSA Tec Solenoid-driven diaphragm dosing pump AMS Digital Polymer PH

Solenoid-driven diaphragm dosing pump for high viscosity media up to 50,000 cPs.



Product description:

- Capacity: 0 – 40 l/h
- Pressure range: 0 – 8 bar
- Pump head material: PMMA (acrylic)
- Seals material: Viton®
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Direct pH control, pH 0 – 14
- Alarm output (option, available on request)
- Mode: proportional to the measured value, or On/Off
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMS Digital Polymer PH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Digital Polymer PH PMMA/Viton® (AMS Digital Polymer PH dosing pump with PMMA pump head and Viton® seals.)	2	8	120	Suction side: PVC braided hose 20 x 27 Discharge side: PVC braided hose 16 x 22	3813965
	4	6			3813966
	10	4			3813967
	25	2			3813968
	40	1			3813969
Optional external level/alarm contact NO/NC					9013522

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Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMS Digital Polymer PH	2	8	LP
	4	6	MP
	10	4	NP
	25	2	SP
	40	1	TP

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
21.04.2020

1.1.30.

DOSA Tec Solenoid-driven diaphragm dosing pump AMS Digital Polymer RH

Solenoid-driven diaphragm dosing pump for high viscosity media up to 50,000 cPs.



Product description:

- Capacity: 0 – 40 l/h
- Pressure range: 0 – 8 bar
- Pump head material: PMMA (acrylic)
- Seals material: Viton®
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Direct redox control, 0 – 1000 mV
- Alarm output (option)
- Mode: proportional to the measured value, or On/Off
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **AMS Digital Polymer RH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
AMS Digital Polymer RH PMMA/Viton® (AMS Digital Polymer RH dosing pump with PMMA pump head and Viton® seals.)	2	8	120	Suction side: PVC braided hose 20 x 27 Discharge side: PVC braided hose 16 x 22	3813970
	4	6			3813971
	10	4			3813972
	25	2			3813973
	40	1			3813974
Optional external level/alarm contact NO/NC					9013522

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Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
AMS Digital Polymer RH	2	8	LP
	4	6	MP
	10	4	NP
	25	2	SP
	40	1	TP

1.1.31.

DOSA *Tec* Solenoid-driven diaphragm dosing pump K CO

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media. Version for high viscosity media between 100 and 8000 cPs available for the LPV version.



Product description:

- Capacity: 0 – 18 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic, stainless steel
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 V DC, 24 V DC available on request)
- Manual pump head priming valve
- Manual stroke frequency adjustment 0 – 100 %
- Manual stroke length adjustment 0/25 – 100 %
- Pulse scaling 1 : 10
- Manual stroke length adjustment
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA *Tec* K CO** Solenoid-driven diaphragm dosing pump, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KC O PVDF/Viton® (KC O dosing pump with PVDF pump head and Viton® seals.)	1	5	180	Suction side: PVC hose 4 x 6 from 18/2 l/h up 6 x 8 Discharge side: PE hose 4 x 8 from 18 l 2 up 6 x 8	3913006
	1	20			3913000
	2	18			3913001
	4	15			3913007
	5	10			3913002
	8	8			3913012
	10	5			3913003
	18	2			3913004

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
K CO PVDF/EPDM (K CO dosing pump with PVDF pump head and EPDM seals.)	1	5	180	Suction side: PVC hose 4 x 6 from 18/2 l/h up 6 x 8 Discharge side: PE hose 4 x 8 from 18 l 2 up 6 x 8	3913026
	1	20			3913020
	2	18			3913021
	4	15			3913027
	5	10			3913022
	8	8			3913032
	10	5			3913023
	18	2			3913024

3

Options:

Model:	Item No:
PP pump heads I and IA	8613008
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
Stainless steel AISI 316 pump head li	8913185
Stainless steel AISI 316 pump head Li*	8913160
Stainless steel AISI 316 pump head Mi*	8913165
Acrylic pump head I	8913030
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head LPV L up to 8000 cPs**	8913310
Acrylic pump head LPV M up to 8000 cPs**	8913311
PVDF hose for K, KA, KMS and KMSA pump series 4 x 6	8713075
PVDF hose for K, KA, KMS and KMSA pump series 6 x 8	8713080
*No accessories included.	
**Hose connection for acrylic pump head up to 8000 cPs: Discharge side 16 x 22, PVC hose; Suction side 8 x 12 PE hose; Foot valve made of stainless steel not included.	
Surcharge for stainless steel dosing head (excl. accessories and hoses). Please specify the required thread (cylindrical, conical or NPT) in your order.	

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
K CO	1	5	I
	1	20	I
	2	18	L
	4	15	L
	5	10	L
	8	8	L
	10	5	L
	18	2	M

1.1.32.

DOSA Tec Solenoid-driven diaphragm dosing pump K CL

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media. Version for high viscosity media between 100 and 8000 cPs available for the LPV version.



Product description:

- Capacity: 0 – 18 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic, stainless steel
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head priming valve
- Suitable for mounting on a base
- Manual stroke frequency adjustment 0 – 100 %
- Manual stroke length adjustment 0/25 – 100 %
- Pulse scaling 1 : 10
- Level control input
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec K CL** Solenoid-driven diaphragm dosing pump, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
K CL PVDF/Viton® (K CL dosing pump with PVDF pump head and Viton® seals.)	1	5	180	Suction side: PVC hose 4 x 6 from 18/2 l/h up 6 x 8 Discharge side: PE hose 4 x 8 from 18/2 l/h up 6 x 8	3913046
	1	20			3913040
	2	18			3913041
	4	15			3913047
	5	10			3913042
	8	8			3913052
	10	5			3913043
	18	2			3913044

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
K CL PVDF/EPDM (K CL dosing pump with PVDF pump head and EPDM seals.)	1	5	180	Suction side: PVC hose 4 x 6 from 18/2 l/h up 6 x 8 Discharge side: PE hose 4 x 8 from 18/2 l/h up 6 x 8	3913066
	1	20			3913060
	2	18			3913061
	4	15			3913067
	5	10			3913062
	8	8			3913072
	10	5			3913063
	18	2			3913064

3

Options:

Model:	Item No:
PP pump heads I and IA	8613008
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
Stainless steel AISI 316 pump head li	8913185
Stainless steel AISI 316 pump head Li*	8913160
Stainless steel AISI 316 pump head Mi*	8913165
Acrylic pump head I	8913030
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head LPV L up to 8000 cPs**	8913310
Acrylic pump head LPV M up to 8000 cPs	8913311
PVDF hose for K, KA, KMS and KMSA pump series 4 x 6	8713075
PVDF hose for K, KA, KMS and KMSA pump series 6 x 8	8713080
*No accessories included.	
**Hose connection for acrylic pump head up to 8000 cPs: Discharge side 16 x 22, PVC hose; Suction side 8 x 12 PE hose; Foot valve made of stainless steel not included.	
Surcharge for stainless steel dosing head (excl. accessories and hoses). Please specify the required thread (cylindrical, conical or NPT) in your order.	

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
K CL	1	5	I
	1	20	I
	2	18	L
	4	15	L
	5	10	L
	8	8	L
	10	5	L
	18	2	M

1.1.33.

DOSA Tec Solenoid-driven diaphragm dosing pump K Plus

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media. Version for high viscosity media between 100 and 8000 cPs available for the LPV version.



Product description:

- Capacity: 0 – 18 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic, stainless steel
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head priming valve
- Suitable for mounting on a base
- Manual stroke frequency adjustment 0 – 100 %
- Manual stroke length adjustment 0/25 – 100 %
- Inputs for:
 - Level control
 - Pulses
 - 4 – 20 mA signal
- Output (optional) for alarm output
- Modes:
 - Pulse multiplication
 - Pulse division
 - Conversion of analogue input signals
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec Solenoid-driven diaphragm dosing pump K Plus**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
K Plus PVDF/Viton® (K Plus dosing pump with PVDF pump head and Viton® seals.)	1	5	180	Suction side: PVC hose 4 x 6 from 18/2 l/h up 6 x 8 Discharge side: PE hose 4 x 8 from 18/2 l/h up 6 x 8	4013006
	1	20			4013000
	2	18			4013001
	4	15			4013007
	5	10			4013002
	8	8			4013008
	10	5			4013003
	18	2			4013004

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
K Plus PVDF/EPDM (K Plus dosing pump with PVDF pump head and EPDM seals.)	1	5	180	Suction side: PVC hose 4 x 6 from 18/2 l/h up 6 x 8 Discharge side: PE hose 4 x 8 from 18/2 l/h up 6 x 8	4013026
	1	20			4013020
	2	18			4013021
	4	15			4013027
	5	10			4013022
	8	8			4013028
	10	5			4013023
	18	2			4013024

Options:

Model:	Item No:
PP pump heads I and IA	8613008
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
Stainless steel AISI 316 pump head li	8913185
Stainless steel AISI 316 pump head Li*	8913160
Stainless steel AISI 316 pump head Mi*	8913165
Acrylic pump head I	8913030
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head LPV L up to 8000 cPs**	8913310
Acrylic pump head LPV M up to 8000 cPs	8913311
PVDF hose for K, KA, KMS and KMSA pump series 4 x 6	8713075
PVDF hose for K, KA, KMS and KMSA pump series 6 x 8	8713080
External level/alarm contact NO/NC	9013522
*No accessories included.	
**Hose connection for acrylic pump head up to 8000 cPs: Discharge side 16 x 22, PVC hose; Suction side 8 x 12 PE hose; Foot valve made of stainless steel not included.	
Surcharge for stainless steel dosing head (excl. accessories and hoses). Please specify the required thread (cylindrical, conical or NPT) in your order.	

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
K Plus	1	5	I
	1	20	I
	2	18	L
	4	15	L
	5	10	L
	8	8	L
	10	5	L
	18	2	M

1.1.34.

DOSA Tec Solenoid-driven diaphragm dosing pump KA CO

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 13 l/h
- Pressure range: 0 – 18 bar
- Pump head material: PVDF
option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke frequency adjustment 0 – 100 %
- Manual stroke length adjustment 0/25 – 100 %
- Pulse scaling 1 : 10
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **KA CO**, accessory set (foot valve, hose, hose thread, injection valve)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KA CO PVDF/Viton® (KA CO dosing pump with PVDF pump head and Viton® seals.)	0.5	10	180	Suction side: PVC hose 4 x 6 from 13/2 l/h up 6 x 8	3913500
	1.0	18			3913501
	3.0	15			3913502
	5.5	8			3913503
	7.5	5			3913504
	13.0	2			3913505
				Discharge side: PE hose 4 x 8 from 13/2 l/h up 6 x 8	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KA CO PVDF/EPDM (KA CO dosing pump with PVDF pump head and EPDM seals.)	0.5	10	180	Suction side: PVC hose 4 x 6 from 13/2 l/h up 6 x 8 Discharge side: PE hose 4 x 8 from 13/2 l/h up 6 x 8	3913510
	1.0	18			3913511
	3.0	15			3913512
	5.5	8			3913513
	7.5	5			3913514
	13.0	2			3913515

Options:

Model:	Item No:
PP pump heads I and IA	8613008
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
Acrylic pump head IA	8713100
Acrylic pump head LA	8713101
Acrylic pump head MA	8713102
PVDF hose for K , KA , KMS and KMSA pump series 4 x 6	8713075
PVDF hose for K , KA , KMS and KMSA pump series 6 x 8	8713080

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
KA CO	0.5	10	IA
	1.0	18	IA
	3.0	15	LA
	5.5	8	LA
	7.5	5	LA
	13.0	2	MA

1.1.35.

DOSA Tec Solenoid-driven diaphragm dosing pump KA CL

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0–13 l/h
- Pressure range: 0–18 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke frequency adjustment 0–100 %
- Manual stroke length adjustment 0/25–100 %
- Pulse scaling 1 : 10
- Level control input
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **KA CL**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KA CL PVDF/Viton® (KA CL dosing pump with PVDF pump head and Viton® seals.)	0.5	10	180	Suction side: PVC hose 4 x 6 from 13/2 l/h up 6 x 8	3913520
	1.0	18			3913521
	3.0	15			3913522
	5.5	8			3913523
	7.5	5			3913524
	13.0	2			3913525
				Discharge side: PE hose 4 x 8 from 13/2 l/h up 6 x 8	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KA CL PVDF/EPDM (KA CL dosing pump with PVDF pump head and EPDM seals.)	0.5	10	180	Suction side: PVC hose 4 x 6 from 13/2 l/h up 6 x 8 Discharge side: PE hose 4 x 8 from 13/2 l/h up 6 x 8	3913530
	1.0	18			3913531
	3.0	15			3913532
	5.5	8			3913533
	7.5	5			3913534
	13.0	2			3913535

Options:

Model:	Item No:
PP pump heads I and IA	8613008
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
Acrylic pump head IA	8713100
Acrylic pump head LA	8713101
Acrylic pump head MA	8713102
PVDF hose for K , KA , KMS and KMSA pump series 4 x 6	8713075
PVDF hose for K , KA , KMS and KMSA pump series 6 x 8	8713080

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
KA CL	0.5	10	IA
	1.0	18	IA
	3.0	15	LA
	5.5	8	LA
	7.5	5	LA
	13.0	2	MA

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 13 l/h
- pressure range: 0 – 18 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke frequency adjustment 0 – 100 %
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - Pulses
 - 4 – 20 mA signal
- Optional output for alarm output
- Modes:
 - Pulse multiplication
 - Pulse division
 - Conversion of analogue input signals
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec Solenoid-driven diaphragm dosing pump KA Plus**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KA Plus PVDF/Viton® (KA Plus dosing pump with PVDF pump head and Viton® seals.)	0.5	10	180	Suction side: PVC hose 4 x 6 from 13/2 l/h up 6 x 8	4013040
	1.0	18			4013041
	3.0	15			4013042
	3.5	10			4013046
	5.5	8			4013043
	7.5	5			4013044
	13.0	2			4013045

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KA Plus PVDF/EPDM (KA Plus dosing pump with PVDF pump head and EPDM seals)	0.5	10	180	Suction side: PVC hose 4 x 6 from 13/2 l/h up 6 x 8 Discharge side: PE hose 4 x 8 from 13/2 l/h up 6 x 8	4013060
	1.0	18			4013061
	3.0	15			4013062
	5.5	8			4013063
	7.5	5			4013064
	13.0	2			4013065

Options:

Model:	Item No:
PP pump heads I and IA	8613008
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
Acrylic pump head IA	8713100
Acrylic pump head LA	8713101
Acrylic pump head MA	8713102
PVDF hose for K , KA , KMS and KMSA pump series 4 x 6	8713075
PVDF hose for K , KA , KMS and KMSA pump series 6 x 8	8713080
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
KA Plus	0.5	10	IA
	1.0	18	IA
	3.0	15	LA
	5.5	8	LA
	7.5	5	LA
	13.0	2	MA

1.1.37.

DOSA Tec Solenoid-driven diaphragm dosing pump **KMS MF**

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media. Version for high viscosity media between 100 and 8000 cPs available for the LPV version.



Product description:

- Capacity: 0 – 18 l/h
- Pressure range: 0 – 18 bar
- Pump head material: PVDF
 - option: PP, acrylic, stainless steel
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head venting
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Pulses
 - Hydraulic stroke control
 - 4 – 20 mA signal
 - 0 – 10 V signal
- Alarm output
- Modes:
 - Pulse multiplication
 - Pulse division
 - Conversion of analogue input signals
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **KMS MF**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KMS MF PVDF/Viton® (KMS MF dosing pump with PVDF pump head and Viton® seals.)	2	18	180	Suction side: PVC hose, 4 x 6 from 18 2 up, 6 x 8 Discharge side: PVDF hose, 4 x 6 from 18 2 up, 6 x 8	3913281
	4	15			3913287
	5	10			3913282
	8	8			3913292
	10	5			3913283
	18	2			3913284

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KMS MF PVDF/EPDM (KMS MF dosing pump with PVDF pump head and EPDM seals.)	2	18	180	Suction side: PVC hose, 4 x 6 from 18 2 up, 6 x 8	3913301
	4	15			3913307
	5	10			3913302
	8	8			3913312
	10	5			3913303
	18	2			3913304
				Discharge side: PVDF hose, 4 x 6 from 18 2 up, 6 x 8	

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
Stainless steel AISI 316 pump head li	8913185
Stainless steel AISI 316 pump head Li*	8913160
Stainless steel AISI 316 pump head Mi*	8913165
Acrylic pump head I	8913030
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head LPV L up to 8000 cPs	8913310
Acrylic pump head LPV M up to 8000 cPs	8913311
PVDF hose for K, KA, KMS and KMSA pump series 4 x 6 mm	8713075
PVDF hose for K, KA, KMS and KMSA pump series 6 x 8 mm	8713080
*No accessories included.	
**Hose connection for acrylic pump head up to 8000 cPs: Discharge side 16 x 22, PVC hose; Suction side 8 x 12 PE hose; Foot valve made of stainless steel not included.	
Surcharge for stainless steel dosing head (excl. accessories and hoses). Please specify the required thread (cylindrical, conical or NPT) in your order.	

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
KMS MF	2	18	L
	4	15	L
	5	10	L
	8	8	L
	10	5	L
	18	2	M

1.1.38.

DOSA Tec Solenoid-driven diaphragm dosing pump KMS PH

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media. Version for high viscosity media between 100 and 8000 cPs available for the LPV version.



Product description:

- Capacity: 0 – 18 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic, stainless steel
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 V AC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head venting
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Direct pH control, pH 0 – 14
- Optional output for alarm output
- Modes:
 - Proportional to the measured value, or On/Off
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **KMS PH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KMS PH PVDF/Viton® (KMS PH dosing pump with PVDF pump head and Viton® seals.)	1	5	180	Suction side: PVC hose 4 x 6 from 18/2 l/h up 6 x 8	3913406
	1	20			3913400
	2	18			3913401
	4	15			3913407
	5	10			3913402
	8	8			3913412
	10	5			3913403
	18	2			3913404

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KMS PH PVDF/EPDM (KMS PH dosing pump with PVDF pump head and EPDM seals.)	1	3	180	Suction side: PVC hose 4 x 6 from 18/2 l/h up 6 x 8 Discharge side: PVDF hose 4 x 6 from 18/2 up l/h 6 x 8	3913425
	1	5			3913426
	1	20			3913420
	2	18			3913421
	4	15			3913427
	5	10			3913422
	8	8			3913432
	10	5			3913423
	18	2			3913424

3

Options:

Model:	Item No:
PP pump heads I and IA	8613008
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
Stainless steel AISI 316 pump head li	8913185
Stainless steel AISI 316 pump head Li*	8913160
Stainless steel AISI 316 pump head Mi*	8913165
Acrylic pump head I	8913030
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head LPV L up to 8000 cPs	8913310
Acrylic pump head LPV M up to 8000 cPs	8913311
PVDF hose for K, KA, KMS and KMSA pump series 4 x 6	8713075
PVDF hose for K, KA, KMS and KMSA pump series 6 x 8	8713080
External level/alarm contact NO/NC	9013522
*No accessories included.	
**Hose connection for acrylic pump head up to 8000 cPs: Discharge side 16 x 22, PVC hose; Suction side 8 x 12 PE hose; Foot valve made of stainless steel not included.	
Surcharge for stainless steel dosing head (excl. accessories and hoses). Please specify the required thread (cylindrical, conical or NPT) in your order.	

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
KMS PH	1	5	I
	1	20	I
	2	18	L
	4	15	L
	5	10	L
	8	8	L
	10	5	L
	18	2	M

1.1.39.

DOSA Tec Solenoid-driven diaphragm dosing pump KMS RH

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media. Version for high viscosity media between 100 and 8000 cPs available for the LPV version.



Product description:

- Capacity: 0–18 l/h
- Pressure range: 0–20 bar
- Pump head material: PVDF
 - option: PP, acrylic, stainless steel
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head venting
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25–100 %
- Inputs:
 - Level control
 - External dosing start
 - Direct redox control, 0–1000 mV
- Optional output for alarm output
- Modes:
 - Conversion of analogue input signals
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **KMS RH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KMS RH PVDF/Viton® (KMS RH dosing pump with PVDF pump head and Viton® seals.)	1	5	180	Suction side: PVC hose 4 x 6 from 18/2 l/h up 6 x 8	3913446
	1	20			3913440
	2	18			3913441
	4	15			3913447
	5	10			3913442
	8	8			3913452
	10	5			3913443
	18	2			3913444
				Discharge side: PVDF hose 4 x 6 from 18/2 l/h up 6 x 8	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KMS RH PVDF/EPDM (KMS RH dosing pump with PVDF pump head and EPDM seals.)	1	3	180	Suction side: PVC hose 4 x 6 from 18/2 l/h up 6 x 8 Discharge side: PVDF hose 4 x 6 from 18/2 l/h up 6 x 8	3913465
	1	5			3913466
	1	20			3913460
	2	18			3913461
	4	15			3913467
	5	10			3913462
	8	8			3913472
	10	5			3913463
	18	2			3913464

3

Options:

Model:	Item No:
PP pump heads I and IA	8613008
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
Stainless steel AISI 316 pump head li	8913185
Stainless steel AISI 316 pump head Li*	8913160
Stainless steel AISI 316 pump head Mi*	8913165
Acrylic pump head I	8913030
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head LPV L up to 8000 cPs	8913310
Acrylic pump head LPV M up to 8000 cPs	8913311
PVDF hose for K, KA, KMS and KMSA pump series 4 x 6	8713075
PVDF hose for K, KA, KMS and KMSA pump series 6 x 8	8713080
External level/alarm contact NO/NC	9013522
*No accessories included.	
**Hose connection for acrylic pump head up to 8000 cPs: Discharge side 16 x 22, PVC hose; Suction side 8 x 12 PE hose; Foot valve made of stainless steel not included.	
Surcharge for stainless steel dosing head (excl. accessories and hoses). Please specify the required thread (cylindrical, conical or NPT) in your order.	

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
KMS RH	1	5	I
	1	20	I
	2	18	L
	4	15	L
	5	10	L
	8	8	L
	10	5	L
	18	2	M

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 13 l/h,
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 V AC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Pulses
 - Hydraulic stroke control
 - 4 – 20 mA signal
 - 0 – 10 V signal
- Alarm output
- Modes:
 - Pulse multiplication
 - Pulse division
 - Conversion of analogue input signals
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- DOSA Tec Solenoid-driven diaphragm dosing pump **KMSA MF**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KMSA MF PVDF/Viton® (KMSA MF dosing pump with PVDF pump head and Viton® seals.)	0.5	10	180	Suction side: PVC hose 4 x 6 from 13/2 l/h up 6 x 8	3913620
	1.0	18			3913621
	3.0	15			3913622
	5.5	8			3913623
	7.5	5			3913624
	13.0	2			3913625

Viton® is a registered trademark of DuPont Dow Elastomer.

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KMSA MF PVDF/EPDM (KMSA MF dosing pump with PVDF pump head and EPDM seals.)	0.5	10	180	Suction side: PVC hose 4 x 6 from 13/2 l/h up 6 x 8 Discharge side: PVDF hose 4 x 6 from 13/2 l/h up 6 x 8	3913630
	1.0	18			3913631
	3.0	15			3913632
	5.5	8			3913633
	7.5	5			3913634
	13.0	2			3913635

Options:

Model:	Item No:
PP pump heads I and IA	8613008
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
Acrylic pump head IA	8713100
Acrylic pump head LA	8713101
Acrylic pump head MA	8713102
PVDF hose for K , KA , KMS and KMSA pump series 4 x 6	8713075
PVDF hose for K , KA , KMS and KMSA pump series 6 x 8	8713080

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
KMSA MF	0.5	10	IA
	1.0	18	IA
	3.0	15	LA
	5.5	8	LA
	7.5	5	LA
	13.0	2	MA
	10.0	5	L
	18.0	2	M

1.1.41.

DOSATec Solenoid-driven diaphragm dosing pump **KMSA PH**

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0–13 l/h
- pressure range: 0–20 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 V AC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25–100 %
- Inputs:
 - Level control
 - External dosing start
 - Direct pH control, pH 0–14
- Alarm output (option)
- Modes:
 - Conversion of analogue input signals
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSATec** Solenoid-driven diaphragm dosing pump **KMSA PH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KMSA PH PVDF/Viton® (KMSA PH dosing pump with PVDF pump head and Viton® seals.)	0.5	10	180	Suction side: PVC hose 4 x 6 from 13/2 l/h up 6 x 8	3913680
	1.0	18			3913681
	3.0	15			3913682
	5.5	8			3913683
	7.5	5			3913684
	13.0	2			3913685
				Discharge side: PVDF hose 4 x 6 from 13/2 l/h up 6 x 8	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KMSA PH PVDF/EPDM (KMSA PH dosing pump with PVDF pump head and EPDM seals.)	0.5	10	180	Suction side: PVC hose 4 x 6 from 13/2 l/h up 6 x 8 Discharge side: PVDF hose 4 x 6 from 13/2 l/h up 6 x 8	3913690
	1.0	18			3913691
	3.0	15			3913692
	5.5	8			3913693
	7.5	5			3913694
	13.0	2			3913695

Options:

Model:	Item No:
PP pump heads I and IA	8613008
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
Acrylic pump head IA	8713100
Acrylic pump head LA	8713101
Acrylic pump head MA	8713102
PVDF hose for K , KA , KMS and KMSA pump series 4 x 6	8713075
PVDF hose for K , KA , KMS and KMSA pump series 6 x 8	8713080
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
KMSA PH	0.5	10	IA
	1.0	18	IA
	3.0	15	LA
	5.5	8	LA
	7.5	5	LA
	13.0	2	MA

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 13 l/h
- pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 V AC
- Alternative power supply: 115 VAC
(24 V AC, 12 V DC, 24 V DC available on request)
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
 - Level control
 - External dosing start
 - Direct redox control, 0 to -1000 mV
- Output (optional) for alarm output
- Modes:
 - Proportional to the measured value, or On/Off
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **KMSA RH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KMSA RH PVDF/Viton® (KMSA RH dosing pump with PVDF pump head and Viton® seals)	0.5	10	180	Suction side: PVC hose 4 x 6 from 13/2 l/h up 6 x 8	3913700
	1.0	18			3913701
	3.0	15			3913702
	5.5	8			3913703
	7.5	5			3913704
	13.0	2			3913705

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
KMSA RH PVDF/EPDM (KMSA RH dosing pump with PVDF pump head and EPDM seals.)	0.5	10	180	Suction side: PVC hose 4 x 6 from 13/2 l/h up 6 x 8 Discharge side: PVDF hose 4 x 6 from 13/2 l/h up 6 x 8	3913710
	1.0	18			3913711
	3.0	15			3913712
	5.5	8			3913713
	7.5	5			3913714
	13.0	2			3913715

Options:

Model:	Item No:
PP pump heads I and IA	8613008
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
Acrylic pump head IA	8713100
Acrylic pump head LA	8713101
Acrylic pump head MA	8713102
PVDF hose for K, KA, KMS and KMSA pump series 4 x 6	8713075
PVDF hose for K, KA, KMS and KMSA pump series 6 x 8	8713080
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
KMSA RH	0.5	10	IA
	1.0	18	IA
	3.0	15	LA
	5.5	8	LA
	7.5	5	LA
	13.0	2	MA

1.1.43.

DOSA Tec Solenoid-driven diaphragm dosing pump V CO

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 16 l/h
- pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head priming valve
- Suitable for wall mounting
- Manual stroke frequency adjustment 0 – 100 %
- Pulse scaling 1 : 10
- Available languages: DE, EN, F

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **V CO**, accessory set (foot valve, hose, hose thread, injection valve)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
V CO PVDF/Viton® (V CO dosing pump with PVDF pump head and Viton® seals.) <small>Viton® is a registered trademark of DuPont Dow Elastomer.</small>	1	20	180	Suction side: PVC hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15/2 l/h up 6 x 8	3513300
	2	15			3513301
	2	18			3513302
	4	10			3513303
	4	15			3513304
	4	18			3513305
	5	10			3513306
	5	15			3513307
	6	7			3513308
	8	4			3513309
	10	3			3513310
	10	5			3513311
	10	10			3513312
	12	5			3513313
	15	2			3513315
	16	1			3513314
				Discharge side: PE hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15/2 l/h up 6 x 8	

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
02.03.2020

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
V CO PVDF/EPDM (V CO dosing pump with PVDF pump head and EPDM seals)	1	20	180	Suction side: PVC hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15/2 l/h up 6 x 8 Discharge side: PE hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15/2 l/h up 6 x 8	3513320
	2	15			3513321
	2	18			3513322
	4	10			3513323
	4	15			3513324
	4	18			3513325
	5	10			3513326
	5	15			3513327
	6	7			3513328
	8	4			3513329
	10	3			3513330
	10	5			3513331
	10	10			3513332
	12	5			3513333
	15	2			3513335
	16	1			3513334

Options:

Model:	Item No:
PP pump heads J and JA	8713120
PP pump heads K and KA	8713125
PVDF hose 4 x 6 mm	8913321
PVDF hose 6 x 8 mm	8913326

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
V CO	1	20	Y
	2	15	K
	2	18	K
	4	10	K
	4	15	K
	4	18	K
	5	10	K
	5	15	K
	6	7	K
	8	4	K
	10	3	K
	10	5	K
	10	10	K
	12	5	K
	15	2	K
	16	1	K

1.1.44.

DOSA Tec Solenoid-driven diaphragm dosing pump V CL

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 16 l/h
- pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head priming valve
- Suitable for wall mounting
- Manual stroke frequency adjustment 0 – 100 %
- Pulse scaling 1 : 10
- Level control input
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **V CL**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
V CL PVDF/Viton® (V CL dosing pump with PVDF pump head and Viton® seals.)	1	20	180	Suction side: PVC hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15/1 l/h up 6 x 8 Discharge side: PE hose at 1/20, 2/18, 4/18 4 x 8 all others 4 x 6 from 15/1 l/h up 6 x 8	3513340
	2	15			3513341
	2	18			3513342
	4	10			3513343
	4	15			3513344
	4	18			3513345
	5	10			3513346
	5	15			3513347
	6	7			3513348
	8	4			3513349
	10	3			3513350
	10	5			3513351
	10	10			3513352
	12	5			3513353
	15	2			3513355
	16	1			3513354

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
V CL PVDF/EPDM (V CL dosing pump with PVDF pump head and EPDM seals)	1	20	180	Suction side: PVC hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15/1 l/h up 6 x 8 Discharge side: PE hose at 1/20, 2/18, 4/18 4 x 8 all others 4 x 6 from 15/1 l/h up 6 x 8	3513360
	2	15			3513361
	2	18			3513362
	4	10			3513363
	4	15			3513364
	4	18			3513365
	5	10			3513366
	5	15			3513367
	6	7			3513368
	8	4			3513369
	10	3			3513370
	10	5			3513371
	10	10			3513372
	12	5			3513373
	15	2			3513375
	16	1			3513374

Options:

Model:	Item No:
PP pump heads J and JA	8713120
PP pump heads K and KA	8713125
PVDF hose 4 x 6 mm	8913321
PVDF hose 6 x 8 mm	8913326
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
V CL	1	20	Y
	2	15	K
	2	18	K
	4	10	K
	4	15	K
	4	18	K
	5	10	K
	5	15	K
	6	7	K
	8	4	K
	10	3	K
	10	5	K
	10	10	K
	12	5	K
	15	2	K
	16	1	K

1.1.45.

DOSA Tec Solenoid-driven diaphragm dosing pump VA CO

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 13.5 l/h
- Pressure range: 0 – 18 bar
- Pump head material: PVDF
- option: PP
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for wall mounting
- Manual stroke frequency adjustment 0 – 100 %
- Pulse scaling 1 : 10
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **VA CO**, accessory set (foot valve, hose, hose thread, injection valve)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
VA CO PVDF/Viton® (VA CO dosing pump with PVDF pump head and Viton® seals.)	1.0	15	180	Suction side: PVC hose at 2/18 l/h 4 x 8 all others 4 x 6 from 12 l 2 up 6 x 8 Discharge side: PE hose at 2/18 l/h 4 x 8 all others 4 x 6 from 12/2 l/h up 6 x 8	3513400
	2.0	10			3513401
	2.0	18			3513402
	3.0	15			3513403
	3.4	10			3513404
	4.0	7			3513405
	5.5	4			3513406
	7.0	3			3513407
	7.0	10			3513408
	7.5	5			3513409
	9.0	5			3513410
	12.0	2			3513411
	13.5	1			3513412

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
VA CO PVDF/EPDM (VA CO dosing pump with PVDF pump head and EPDM seals.)	1.0	15	180	Suction side: PVC hose at 2/18 l/h 4 x 8 all others 4 x 6 from 12 2 up 6 x 8 Discharge side: PE hose at 2/18 l/h 4 x 8 all others 4 x 6 from 12/2 l/h up 6 x 8	3513420
	2.0	10			3513421
	2.0	18			3513422
	3.0	15			3513423
	3.4	10			3513424
	4.0	7			3513425
	5.5	4			3513426
	7.0	3			3513427
	7.0	10			3513428
	7.5	5			3513429
	9.0	5			3513430
	12.0	2			3513431
	13.5	1			3513432

Options:

Model:	Item No:
PP pump heads J and JA	8713120
PP pump heads K and KA	8713125
PVDF hose 4 x 6 mm	8913321
PVDF hose 6 x 8 mm	8913326
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
VA CO	1.0	15	KA
	2.0	10	KA
	2.0	18	KA
	3.0	15	KA
	3.4	10	KA
	4.0	7	KA
	5.5	4	KA
	7.0	3	KA
	7.0	10	KA
	7.5	5	KA
	9.0	5	KA
	12.0	2	KA
	13.5	1	KA

1.1.46.

DOSA Tec Solenoid-driven diaphragm dosing pump VA CL

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 13.5 l/h
- Pressure range: 0 – 18 bar
- Pump head material: PVDF
 - option: PP
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for wall mounting
- Manual stroke frequency adjustment 0 – 100 %
- Pulse scaling 1 : 10
- Level control input
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **VA CL**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
VA CL PVDF/Viton® (VA CL dosing pump with PVDF pump head and Viton® seals.)	1.0	15	180	Suction side: PVC hose at 2/18 l/h 4 x 8 all others 4 x 6 from 12/2 l/h up 6 x 8 Discharge side: PE hose at 2/18 l/h 4 x 8 all others 4 x 6 from 12/2 l/h up 6 x 8	3513440
	2.0	10			3513441
	2.0	18			3513442
	3.0	15			3513443
	3.4	10			3513444
	4.0	7			3513445
	5.5	4			3513446
	7.0	3			3513447
	7.0	10			3513448
	7.5	5			3513449
	9.0	5			3513450
	12.0	2			3513451
	13.5	1			3513452

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07.04.2020

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
VA CL PVDF/EPDM (VA CL dosing pump with PVDF pump head and EPDM seals.)	1.0	15	180	Suction side: PVC hose at 2/18 l/h 4 x 8 all others 4 x 6 from 12/2 l/h up 6 x 8 Discharge side: PE hose at 2/18 l/h 4 x 8 all others 4 x 6 from 12/2 l/h up 6 x 8	3513460
	2.0	10			3513461
	2.0	18			3513462
	3.0	15			3513463
	3.4	10			3513464
	4.0	7			3513465
	5.5	4			3513466
	7.0	3			3513467
	7.0	10			3513468
	7.5	5			3513469
	9.0	5			3513470
	12.0	2			3513471
	13.5	1			3513472

Options:

Model:	Item No:
PP pump heads J and JA	8713120
PP pump heads K and KA	8713125
PVDF hose 4 x 6 mm	8913321
PVDF hose 6 x 8 mm	8913326
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
VA CL	1.0	15	KA
	2.0	10	KA
	2.0	18	KA
	3.0	15	KA
	3.4	10	KA
	4.0	7	KA
	5.5	4	KA
	7.0	3	KA
	7.0	10	KA
	7.5	5	KA
	9.0	5	KA
	12.0	2	KA
	13.5	1	KA

1.1.47.

DOSA Tec Solenoid-driven diaphragm dosing pump VMS MF

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0–16 l/h, pressure range: 0–20 bar
- Pump head material: PVDF; PP (optional)
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head priming valve
- Suitable for wall mounting
- Manual stroke frequency adjustment
- Inputs:
 - Level control
 - External dosing start
 - Pulses
 - 4–20 mA signal
 - 0–10 V signal
- Modes:
 - Pulse multiplication
 - Pulse division
 - Conversion of analogue signals
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- DOSA Tec Solenoid-driven diaphragm dosing pump VMS MF, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
VMS MF PVDF/Viton® (VMS MF dosing pump with PVDF pump head and Viton® seals.)	1	20	180	Suction side: PVC hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15 l 5 up 6 x 8	3513500
	2	15			3513501
	2	18			3513502
	4	10			3513503
	4	15			3513504
	4	18			3513505
	5	10			3513506
	5	15			3513507
	6	7			3513508
	8	4			3513509
	10	3			3513510
	10	5			3513511
	10	10			3513512
	12	5			3513513
	15	2			3513515
	16	1			3513514
				Discharge side: PE hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15/5 l/h up 6 x 8	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
VMS MF PVDF/EPDM (VMS MF dosing pump with PVDF pump head and EPDM seals.)	1	20	180	Suction side: PVC hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15 l 5 up 6 x 8 Discharge side: PE hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15/5 l/h up 6 x 8	3513520
	2	15			3513521
	2	18			3513522
	4	10			3513523
	4	15			3513524
	4	18			3513525
	5	10			3513526
	5	15			3513527
	6	7			3513528
	8	4			3513529
	10	3			3513530
	10	5			3513531
	10	10			3513532
	12	5			3513533
	15	2			3513535
	16	1			3513534

Options:

Model:	Item No:
PP pump heads J and JA	8713120
PP pump heads K and KA	8713125
PVDF hose 4 x 6 mm	8913321
PVDF hose 6 x 8 mm	8913326
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
VMS MF	1	20	Y
	2	15	K
	2	18	K
	4	10	K
	4	15	K
	4	18	K
	5	10	K
	5	15	K
	6	7	K
	8	4	K
	10	3	K
	10	5	K
	10	10	K
	12	5	K
	15	2	K
	16	1	K

1.1.48.

DOSA Tec Solenoid-driven diaphragm dosing pump VMS PO

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 16 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC (24 VAC, 12 VDC, 24 VDC available on request)
 - Manual pump head priming valve
 - Suitable for wall mounting
 - Manual stroke frequency adjustment
- Inputs:
 - Level control
 - Direct pH control, pH 0 – 14
 - Direct redox control, 0 to -1000 mV
- Mode: Proportional to the measured value, or On/Off
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- DOSA Tec Solenoid-driven diaphragm dosing pump VMS PO, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
VMS PO PVDF/Viton® (VMS PO dosing pump with PVDF pump head and Viton® seals.)	1	20	180	Suction side: PVC hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15/2 l/h up 6 x 8 Discharge side: PE hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15/2 l/h up 6 x 8	3513560
	2	15			3513561
	2	18			3513562
	4	10			3513563
	4	15			3513564
	4	18			3513565
	5	10			3513566
	5	15			3513567
	6	7			3513568
	8	4			3513569
	10	3			3513570
	10	5			3513571
	10	10			3513572
	12	5			3513573
	15	2			3513575
	16	1			3513574

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07.04.2020

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
VMS PO PVDF/EPDM (VMS PO dosing pump with PVDF pump head and EPDM seals.)	1	20	180	Suction side: PVC hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15/2 l/h up 6 x 8 Discharge side: PE hose at 1/20, 2/18, 4/18 l/h 4 x 8 all others 4 x 6 from 15/2 l/h up 6 x 8	3513590
	2	15			3513591
	2	18			3513592
	4	10			3513593
	4	15			3513594
	4	18			3513595
	5	10			3513596
	5	15			3513597
	6	7			3513598
	8	4			3513599
	10	3			3513600
	10	5			3513601
	10	10			3513602
	12	5			3513603
	15	2			3513605
	16	2			3513604

Options:

Model:	Item No:
PP pump heads J and JA	8713120
PP pump heads K and KA	8713125
PVDF hose 4 x 6 mm	8913321
PVDF hose 6 x 8 mm	8913326
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
VMS PO	1	20	Y
	2	15	K
	2	18	K
	4	10	K
	4	15	K
	4	18	K
	5	10	K
	5	15	K
	6	7	K
	8	4	K
	10	3	K
	10	5	K
	10	10	K
	12	5	K
	15	2	K
	16	1	K

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 13.5 l/h
- pressure range: 0 – 18 bar
- Pump head material: PVDF
 - option: PP
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for wall mounting
- Manual stroke frequency adjustment
- Inputs:
 - Level control
 - External dosing start
 - Pulses
 - 4 – 20 mA signal
 - 0 – 10 V signal
- Modes:
 - Pulse multiplication
 - Pulse division
 - Conversion of analogue input signals
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec Solenoid-driven diaphragm dosing pump VMSA MF, accessory set** (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
VMSA MF PVDF/Viton® (VMSA MF dosing pump with PVDF pump head and Viton® seals.)	1.0	15	180	Suction side: PVC hose at 2/18 l/h 4 x 8 all others 4 x 6 from 13/2 l/h up 6 x 8	3513700
	2.0	10			3513701
	2.0	18			3513702
	3.0	15			3513703
	3.4	10			3513704
	4.0	7			3513705
	5.5	4			3513706
	7.0	3			3513707
	7.0	10			3513708
	7.5	5			3513709
	9.0	5			3513710
	12.0	2			3513711
	13.5	1			3513712

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
VMSA MF PVDF/EPDM (VMSA MF dosing pump with PVDF pump head and EPDM seals.)	1.0	15	180	Suction side: PVC hose at 2/18 l/h 4 x 8 all others 4 x 6 from 13/2 l/h up 6 x 8 Discharge side: PE hose at 2/18 l/h 4 x 8 all others 4 x 6 from 13/2 l/h up 6 x 8	3513720
	2.0	10			3513721
	2.0	18			3513722
	3.0	15			3513723
	3.4	10			3513724
	4.0	7			3513725
	5.5	4			3513726
	7.0	3			3513727
	7.0	10			3513728
	7.5	5			3513729
	9.0	5			3513730
	12.0	2			3513731
	13.5	1			3513732

Options:

Model:	Item No:
PP pump heads J and JA	8713120
PP pump heads K and KA	8713125
PVDF hose 4 x 6 mm	8913321
PVDF hose 6 x 8 mm	8913326
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
VMSA MF	1.0	15	KA
	2.0	10	KA
	2.0	18	KA
	3.0	15	KA
	3.4	10	KA
	4.0	7	KA
	5.5	4	KA
	7.0	3	KA
	7.0	10	KA
	7.5	5	KA
	9.0	5	KA
	12.0	2	KA
	13.5	1	KA

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 13.5 l/h
- Pressure range: 0 – 18 bar
- Pump head material: PVDF
 - option: PP
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for wall mounting
- Manual stroke frequency adjustment
- Inputs:
 - Level control
 - External dosing start
 - Direct pH control, pH 0 – 14
 - Direct redox control, 0 to -1000 mV
- Mode: Proportional to the measured value, or On/Off
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- DOSA Tec Solenoid-driven diaphragm dosing pump **VMSA PO**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
VMSA PO PVDF/Viton® (VMSA PO dosing pump with PVDF pump head and Viton® seals.)	1.0	15	180	Suction side: PVC hose at 2/18 4 x 8 all others 4 x 6 from 13/2 l/h up 6 x 8 Discharge side: PE hose at 2/18 4 x 8 all others 4 x 6 from 13/2 l/h up 6 x 8	3513740
	2.0	10			3513741
	2.0	18			3513742
	3.0	15			3513743
	3.4	10			3513744
	4.0	7			3513745
	5.5	4			3513746
	7.0	3			3513747
	7.0	10			3513748
	7.5	5			3513749
	9.0	5			3513750
	12.0	2			3513751
	13.5	1			3513752

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
VMSA PO PVDF/EPDM (VMSA PO dosing pump with PVDF pump head and EPDM seals.)	1.0	15	180	Suction side: PVC hose at 2/18 4 x 8 all others 4 x 6 from 13/2 l/h up 6 x 8 Discharge side: PE hose at 2/18 4 x 8 all others 4 x 6 from 13/2 l/h up 6 x 8	3513760
	2.0	10			3513761
	2.0	18			3513762
	3.0	15			3513763
	3.4	10			3513764
	4.0	7			3513765
	5.5	4			3513766
	7.0	3			3513767
	7.0	10			3513768
	7.5	5			3513769
	9.0	5			3513770
	12.0	2			3513771
	13.5	1			3513772

Options:

Model:	Item No:
PP pump heads J and JA	8713120
PP pump heads K and KA	8713125
PVDF hose 4 x 6 mm	8913321
PVDF hose 6 x 8 mm	8913326
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
VMSA PO	1.0	15	KA
	2.0	10	KA
	2.0	18	KA
	3.0	15	KA
	3.4	10	KA
	4.0	7	KA
	5.5	4	KA
	7.0	3	KA
	7.0	10	KA
	7.5	5	KA
	9.0	5	KA
	13.0	2	KA
	13.5	1	KA

1.1.51.

DOSA Tec Solenoid-driven diaphragm dosing pump T CO

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 100 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head venting
- Suitable for wall mounting
- Manual stroke frequency adjustment 0 – 100 %
- Pulse scaling 1 : 10
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **T CO**, accessory set (foot valve, hose, hose thread, injection valve)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
T CO PVDF/Viton® (T CO dosing pump with PVDF pump head and Viton® seals)	5	20	120	Discharge side: PVDF 5 20, 4 x 6 from 15 5 up, 6 x 8 from 30 3 up, 8 x 10 PVC braided hose at 100 0, 12 x 18 Suction side: PVC 5 20, 4 x 6 from 15 5 up, 6 x 8 from 30 3 up, 8 x 10 PVC braided hose at 100 0, 12 x 18	3813003
	15	5			3813009
	20	4			3813011
	30	3			3813012
	50	1			3813013
	100	0			3813014

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
T CO PVDF/EPDM (T CO dosing pump with PVDF pump head and EPDM seals)	5	20	120	Discharge side: PVDF 5 l 20 l/h, 4 x 6 from 15 l 5 l/h up, 6 x 8 from 30 l 3 l/h up, 8 x 10 PVC braided hose at 100 l 0, 12 x 18 Suction side: PVC 5 l 20 l/h, 4 x 6 from 15 l 5 l/h up, 6 x 8 from 30 l 3 l/h up, 8 x 10 PVC braided hose at 100 l 0 l/h, 12 x 18	3813023
	15	5			3813029
	20	4			3813031
	30	3			3813032
	50	1			3813033
	100	0			3813034

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head N	8913140
Acrylic pump head S	8913145
Acrylic pump head T	8913150
PVDF hose for TMS and T pump series, 5.0 l/h	8713000
PVDF hose for TMS and T pump series, 15.0 l/h	8713005
PVDF hose for TMS and T pump series, 30.0 l/h, 50 l/h	8713010

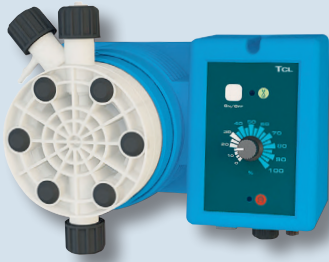
Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
T CO	5	20	L
	15	5	N
	20	4	N
	30	3	S
	50	1	S
	100	0	T

1.1.52.

DOSA Tec Solenoid-driven diaphragm dosing pump T CL

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 100 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head venting
- Suitable for wall mounting
- Manual stroke frequency adjustment 0 – 100 %
- Pulse scaling 1 : 10
- Level control input
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec T CL** Solenoid-driven diaphragm dosing pump, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
T CL PVDF/Viton® (T CL dosing pump with PVDF pump head and Viton® seals.)	5	20	120	Discharge side: PVDF 5 20, 4 x 6 from 15 5 up, 6 x 8 from 30 3 up, 8 x 10 PVC braided hose at 100 0, 12 x 18	3813043
	15	5			3813049
	20	4			3813051
	30	3			3813052
	50	1			3813053
	100	0			3813054

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
T CL PVDF/EPDM (T CL dosing pump with PVDF pump head and EPDM seals.)	5	20	120	Discharge side: PVDF 5 20, 4 x 6 from 15 5 up, 6 x 8 from 30 3 up, 8 x 10 PVC braided hose at 100 0, 12 x 18 Suction side: PVC 5 20, 4 x 6 from 15 5 up, 6 x 8 from 30 3 up, 8 x 10 PVC braided hose at 100 0, 12 x 18	3813063
	15	5			3813069
	20	4			3813071
	30	3			3813072
	50	1			3813073
	100	0			3813074

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head N	8913140
Acrylic pump head S	8913145
Acrylic pump head T	8913150
PVDF hose for TMS and T pump series, 5.0 l/h	8713000
PVDF hose for TMS and T pump series, 15.0 l/h	8713005
PVDF hose for TMS and T pump series, 30.0 l/h, 50 l/h	8713010
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
T CL	5	20	L
	15	5	N
	20	4	N
	30	3	S
	50	1	S
	100	0	T

1.1.53.

DOSA Tec Solenoid-driven diaphragm dosing pump TA CO

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 35 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for wall mounting
- Manual stroke frequency adjustment 0 – 100 %
- Pulse scaling 1 : 10
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- DOSA Tec Solenoid-driven diaphragm dosing pump TA CO, accessory set (foot valve, hose, hose thread, injection valve)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TA CO PVDF/Viton® (TA CO dosing pump with PVDF pump head and Viton® seals.)	3.2	20	120	Discharge side: PVDF 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10 Suction side: PVC 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10	3813250
	10.0	5			3813251
	13.0	4			3813252
	20.0	3			3813253
	35.0	1			3813254

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TA CO PVDF/EPDM (TA CO dosing pump with PVDF pump head and EPDM seals.)	3.2	20	120	Discharge side: PVDF 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10 Suction side: PVC 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10	3813260
	10.0	5			3813261
	13.0	4			3813262
	20.0	3			3813263
	35.0	1			3813264

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Acrylic pump head LA , for TMSA and TA pump series, 3.2 l/h	8913200
Acrylic pump head NA , for TMSA and TA pump series, 10 l/h	8913205
Acrylic pump head SA , for TMSA and TA pump series, 20 l/h	8913210
Acrylic pump head TA , for TMSA and TA pump series, 35 l/h	8913215
PVDF hose for TMS and T pump series, 5.0 l/h	8713000
PVDF hose for TMS and T pump series, 15.0 l/h	8713005
PVDF hose for TMS and T pump series, 30.0 l/h, 50 l/h	8713010

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
TA CO	3.2	20	LA
	10.0	5	NA
	13.0	4	NA
	20.0	3	SA
	35.0	1	TA

1.1.54.

DOSA Tec Solenoid-driven diaphragm dosing pump TA CL

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 35 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for wall mounting
- Manual stroke frequency adjustment 0 – 100 %
- Pulse scaling 1 : 10
- Level control input
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **TA CL**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TA CL PVDF/Viton® (TA CL dosing pump with PVDF pump head and Viton® seals.)	3.2	20	120	Discharge side: PVDF 3.2 20, 4 x 6 from 10 5 up, 6 x 8 from 20 3 up, 8 x 10	3813270
	10.0	5			3813271
	13.0	4			3813272
	20.0	3			3813273
	35.0	1			3813274
				Suction side: PVC 3.2 20, 4 x 6 from 10 5 up, 6 x 8 from 20 3 up, 8 x 10	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TA CL PVDF/EPDM (TA CL dosing pump with PVDF pump head and EPDM seals)	3.2	20	120	Discharge side: PVDF 3.2 20 l/h 4 x 6 from 10 5 l/h up, 6 x 8 from 20 3 l/h up, 8 x 10 Suction side: PVC 3.2 20 l/h 4 x 6 from 10 5 l/h up, 6 x 8 from 20 3 l/h up, 8 x 10	3813280
	10.0	5			3813281
	13.0	4			3813282
	20.0	3			3813283
	35.0	1			3813284

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Acrylic pump head LA, for TMSA and TA pump series, 3.2 l/h	8913200
Acrylic pump head NA, for TMSA and TA pump series, 10 l/h	8913205
Acrylic pump head SA, for TMSA and TA pump series, 20 l/h	8913210
Acrylic pump head TA, for TMSA and TA pump series, 35 l/h	8913215
PVDF hose for TMS and T pump series, 5.0 l/h	8713000
PVDF hose for TMS and T pump series, 15.0 l/h	8713005
PVDF hose for TMS and T pump series, 30.0 l/h, 50 l/h	8713010
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
TA CL	3.2	20	LA
	10.0	5	NA
	13.0	4	NA
	20.0	3	SA
	35.0	1	TA

1.1.55.

DOSA Tec Solenoid-driven diaphragm dosing pump TMS MF

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 100 l/h,
- Pressure range: 0 – 20 bar
- Pump head material: Viton®
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head venting
- Suitable for wall mounting
- Manual stroke frequency adjustment
- Inputs:
 - Level control
 - External dosing start
 - Pulses
 - 4 – 20 mA signal
 - 0 – 10 V signal
- Alarm output
- Modes:
 - Pulse multiplication
 - Pulse division
 - Conversion of analogue input signals
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

3

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- DOSA Tec Solenoid-driven diaphragm dosing pump TMS MF, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TMS MF PVDF/Viton® (TMS MF dosing pump with PVDF pump head and Viton® seals.)	5	20	120	Discharge side: PVDF 5 20 l/h 4 x 6 from 15 5 l/h up 6 x 8 from 30 3 l/h up 8 x 10 PVC braided hose at 100 0 0 l/h 12 x 18	3813323
	15	5			3813329
	20	4			3813331
	30	3			3813332
	50	1			3813333
	100	0			3813334
				Suction side: PVC 5 20 l/h 4 x 6 from 15 5 l/h up 6 x 8 from 30 3 l/h up 8 x 10 PVC braided hose at 100 0 0 l/h 12 x 18	

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Subject to technical modifications and printing errors. Images may vary slightly from actual product.
10.05.2021

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TMS MF PVDF/EPDM (TMS MF dosing pump with PVDF pump head and EPDM seals.)	5	20	120	Discharge side: PVDF 5 20 4 x 6 from 15 5 up 6 x 8 from 30 3 up 8 x 10 PVC braided hose at 100 0 12 x 18 Suction side: PVC 5 20, 4 x 6 from 15 5 up 6 x 8 from 30 3 up 8 x 10 PVC braided hose at 100 0 12 x 18	3813343
	15	5			3813349
	20	4			3813351
	30	3			3813352
	50	1			3813353
	100	0			3813354

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head N	8913140
Acrylic pump head S	8913145
Acrylic pump head T	8913150
PVDF hose for TMS and T pump series, 5.0 l/h	8713000
PVDF hose for TMS and T pump series, 15.0 l/h	8713005
PVDF hose for TMS and T pump series, 30.0 l/h, 50 l/h	8713010

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
TMS MF	5	20	L
	15	5	N
	20	4	N
	30	3	S
	50	1	S
	100	0	T

1.1.56.

DOSA *Tec* Solenoid-driven diaphragm dosing pump TMS PH

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 100 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head venting
- Suitable for wall mounting
- Manual stroke frequency adjustment
- Inputs:
 - Level control
 - External dosing start
 - Direct pH control, pH 0 – 14
- Output for alarm message (option)
- Conversion of analogue input signals
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- DOSA *Tec* Solenoid-driven diaphragm dosing pump TMS PH, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TMS PH PVDF/Viton® (TMS PH dosing pump with PVDF pump head and Viton® seals.)	5	20	120	Discharge side: PVDF 5 20 l/h 4 x 6 from 15 5 l/h up 6 x 8 from 30 3 l/h up 8 x 10 PVC braided hose at 100 0 l/h 12 x 18	3813363
	15	5			3813369
	20	4			3813371
	30	3			3813372
	50	1			3813373
	100	0			3813374
				Suction side: PVC 5 20 l/h 4 x 6 from 15 5 up 6 x 8 from 30 3 up 8 x 10 PVC braided hose at 100 0 l/h 12 x 18	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TMS PH PVDF/EPDM (TMS PH dosing pump with PVDF pump head and EPDM seals.)	5	20	120	Discharge side: PVDF 5 l 20 l/h 4 x 6 from 15 l 5 l/h up 6 x 8 from 30 l 3 l/h up 8 x 10 PVC braided hose at 100 l 0 l/h 12 x 18 Suction side: PVC 5 l 20 l/h 4 x 6 from 15 l 5 l/h 6 x 8 from 30 l 3 l/h up 8 x 10 PVC braided hose at 100 l 0 l/h 12 x 18	3813383
	15	5			3813389
	20	4			3813391
	30	3			3813392
	50	1			3813393
	100	0			3813394

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head N	8913140
Acrylic pump head S	8913145
Acrylic pump head T	8913150
PVDF hose for TMS and T pump series, 5.0 l/h	8713000
PVDF hose for TMS and T pump series, 15.0 l/h	8713005
PVDF hose for TMS and T pump series, 30.0 l/h, 50 l/h	8713010
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
TMS PH	5	20	L
	15	5	N
	20	4	N
	30	3	S
	50	1	S
	100	0	T

1.1.57.

DOSA Tec Solenoid-driven diaphragm dosing pump TMS RH

Solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 100 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Manual pump head venting
- Suitable for wall mounting
- Manual stroke frequency adjustment
- Inputs:
 - Level control
 - External dosing start
 - Direct redox control, 0 – 1000 mV
- Output for alarm message (option)
- Mode: proportional to the measured value, or On/Off
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- DOSA Tec Solenoid-driven diaphragm dosing pump **TMS RH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TMS RH PVDF/Viton® (TMS RH dosing pump with PVDF pump head and Viton® seals.)	5	20	120	Discharge side: PVDF 5 20 l/h 4 x 6 from 15 5 l/h up 6 x 8 from 30 3 l/h up 8 x 10 PVC braided hose at 100 0 l/h 12 x 18	3813403
	15	5			3813409
	20	4			3813411
	30	3			3813412
	50	1			3813413
	100	0			3813414
				Suction side: PVC 5 20 l/h 4 x 6 from 15 5 l/h up 6 x 8 from 30 3 l/h up 8 x 10 PVC braided hose at 100 0 l/h 12 x 18	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TMS RH PVDF/EPDM (TMS RH dosing pump with PVDF pump head and EPDM seals.)	5	20	120	Discharge side: PVDF 5 20 l/h 4 x 6 from 15 5 l/h up 6 x 8 from 30 3 l/h up 8 x 10 PVC braided hose at 100 0 l/h 12 x 18 Suction side: PVC 5 20 l/h 4 x 6 from 15 5 l/h up 6 x 8 from 30 3 l/h up 8 x 10 PVC braided hose at 100 0 l/h 12 x 18	3813423
	15	5			3813429
	20	4			3813431
	30	3			3813432
	50	1			3813433
	100	0			3813434

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Acrylic pump head L	8913130
Acrylic pump head M	8913135
Acrylic pump head N	8913140
Acrylic pump head S	8913145
Acrylic pump head T	8913150
PVDF hose for TMS and T pump series, 5.0 l/h	8713000
PVDF hose for TMS and T pump series, 15.0 l/h	8713005
PVDF hose for TMS and T pump series, 30.0 l/h, 50 l/h	8713010
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
TMS RH	5	20	L
	15	5	N
	20	4	N
	30	3	S
	50	1	S
	100	0	T

1.1.58.

DOSA Tec Solenoid-driven diaphragm dosing pump TMSA MF

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0–35 l/h
- Pressure range: 0–20 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for wall mounting
- Inputs:
 - Level control
 - External dosing start
 - Pulses
 - 4–20 mA signal
 - 0–10 V signal
- Alarm output
- Modes:
 - Pulse multiplication
 - Pulse division
 - Conversion of analogue input signals
 - Dosing of pre-set volumes
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- DOSA Tec Solenoid-driven diaphragm dosing pump TMSA MF, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TMSA MF PVDF/Viton® (TMSA MF dosing pump with PVDF pump head and Viton® seals)	3.2	20	120	Discharge side: PVDF 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10	3813300
	10.0	5			3813301
	13.0	4			3813302
	20.0	3			3813303
	35.0	1			3813304
				Suction side: PVC 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TMSA MF PVDF/EPDM (TMSA MF dosing pump with PVDF pump head and EPDM seals.)	3.2	20	120	Discharge side: PVDF 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10 Suction side: PVC 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10	3813310
	10.0	5			3813311
	13.0	4			3813312
	20.0	3			3813313
	35.0	1			3813314

3

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Acrylic pump head LA , for TMSA and TA pump series, 3.2 l/h	8913200
Acrylic pump head NA , for TMSA and TA pump series, 10 l/h	8913205
Acrylic pump head SA , for TMSA and TA pump series, 20 l/h	8913210
Acrylic pump head LA , for TMSA and TA pump series, 35 l/h	8913215
PVDF hose for TMS and T pump series, 5.0 l/h	8713000
PVDF hose for TMS and T pump series, 15.0 l/h	8713005
PVDF hose for TMS and T pump series, 30.0 l/h, 50 l/h	8713010

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
TMSA MF	3.2	20	LA
	10.0	5	NA
	13.0	4	NA
	20.0	3	SA
	35.0	1	TA

1.1.59.

DOSA Tec Solenoid-driven diaphragm dosing pump TMSA PH

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0–35 l/h
- Pressure range: 0–20 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for wall mounting
- Manual stroke frequency adjustment
- Inputs:
 - Level control
 - External dosing start
 - Direct pH control, pH 0–14
- Alarm output (option)
- Conversion of analogue input signals
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **TMSA PH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TMSA PH PVDF/Viton® (TMSA PH dosing pump with PVDF pump head and Viton® seals.)	3.2	20	120	Discharge side: PVDF 3.2 l 20 l/h 4 x 6 from 10 l 5 l/h up 6 x 8 from 20 l 3 l/h up 8 x 10	3813450
	10.0	5			3813451
	13.0	4			3813452
	20.0	3			3813453
	35.0	1			3813454
				Suction side: PVC 3.2 l 20 l/h 4 x 6 from 10 l 5 l/h up 6 x 8 from 20 l 3 l/h up 8 x 10	

Viton® is a registered trademark of DuPont Dow Elastomer.

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TMSA PH PVDF/EPDM (TMSA PH dosing pump with PVDF pump head and EPDM seals.)	3.2	20	120	Discharge side: PVDF 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10 Suction side: PVC 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10	3813460
	10.0	5			3813461
	13.0	4			3813462
	20.0	3			3813463
	35.0	1			3813464

3

Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Acrylic pump head LA, for TMSA and TA pump series, 3.2 l/h	8913200
Acrylic pump head NA, for TMSA and TA pump series, 10 l/h	8913205
Acrylic pump head SA, for TMSA and TA pump series, 20 l/h	8913210
Acrylic pump head LA, for TMSA and TA pump series, 35 l/h	8913215
PVDF hose for TMS and T pump series, 5.0 l/h	8713000
PVDF hose for TMS and T pump series, 15.0 l/h	8713005
PVDF hose for TMS and T pump series, 30.0 l/h, 50 l/h	8713010
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
TMSA PH	3.2	20	LA
	10.0	5	NA
	13.0	4	NA
	20.0	3	SA
	35.0	1	TA

1.1.60.

DOSA Tec Solenoid-driven diaphragm dosing pump TMSA RH

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



Product description:

- Capacity: 0 – 35 l/h
- Pressure range: 0 – 20 bar
- Pump head material: PVDF
 - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 VAC
- Alternative power supply: 115 VAC
(24 VAC, 12 VDC, 24 VDC available on request)
- Suitable for wall mounting
- Manual stroke frequency adjustment
- Inputs:
 - Level control
 - External dosing start
 - Direct redox control, 0 – 1000 mV
- Alarm output (option)
- Conversion of analogue input signals
- Available languages: DE, EN, FR

Areas of application:

- Dosage of small and medium fluid volumes (water treatment, process industry, acids, bases, flocculants, precipitants, etc.)

Scope of supply:

- **DOSA Tec** Solenoid-driven diaphragm dosing pump **TMSA RH**, accessory set (foot valve, hose, hose thread, injection valve, level switch)

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TMSA RH PVDF/Viton® (TMSA RH dosing pump with PVDF pump head and Viton® seals.)	3.2	20	120	Discharge side: PVDF 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10	3813900
	10.0	5			3813901
	13.0	4			3813902
	20.0	3			3813903
	35.0	1			3813904
				Suction side: PVC 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10	

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Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
TMSA RH PVDF/EPDM (TMSA RH dosing pump with PVDF pump head and EPDM seals.)	3.2	20	120	Discharge side: PVDF 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10 Suction side: PVC 3.2 20 l/h 4 x 6 from 10 5 l/h up 6 x 8 from 20 3 l/h up 8 x 10	3813910
	10.0	5			3813911
	13.0	4			3813912
	20.0	3			3813913
	35.0	1			3813914

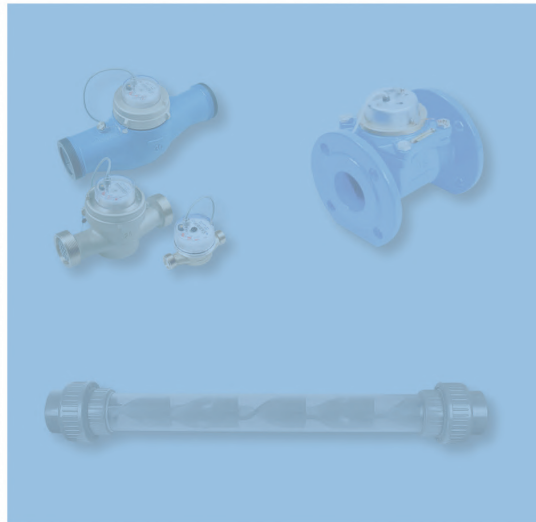
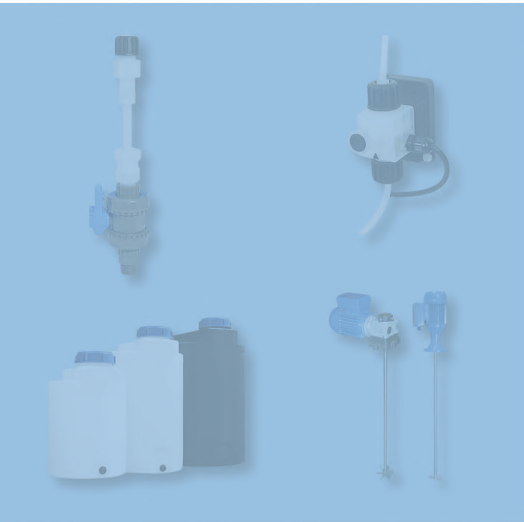
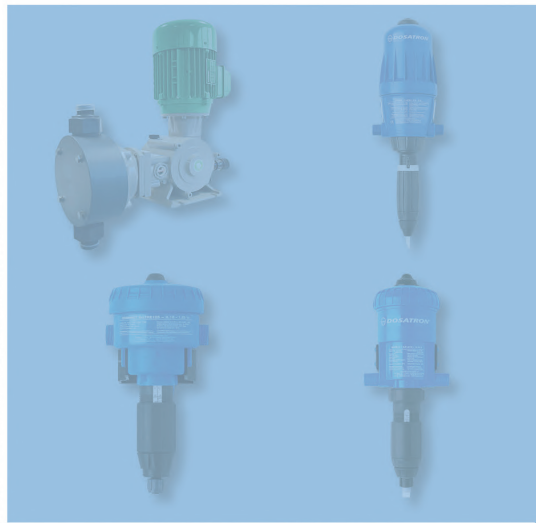
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Options:

Model:	Item No:
PP pump heads L and LA	8713130
PP pump heads M and MA	8613003
PP pump heads N and NA	8613000
PP pump heads S and SA	8613001
PP pump heads T and TA	8613002
Acrylic pump head LA , for TMSA and TA pump series, 3.2 l/h	8913200
Acrylic pump head NA , for TMSA and TA pump series, 10 l/h	8913205
Acrylic pump head SA , for TMSA and TA pump series, 20 l/h	8913210
Acrylic pump head LA , for TMSA and TA pump series, 35 l/h	8913215
PVDF hose for TMS and T pump series, 5.0 l/h	8713000
PVDF hose for TMS and T pump series, 15.0 l/h	8713005
PVDF hose for TMS and T pump series, 30.0 l/h, 50 l/h	8713010
External level/alarm contact NO/NC	9013522

Pump heads:

Model:	Dosing capacity: l/h	Pressure range: bar	Pump head:
TMSA RH	3.2	20	LA
	10.0	5	NA
	13.0	4	NA
	20.0	3	SA
	35.0	1	TA



3. Dosing technology

1.2. Peristaltic Pumps

1.2.1.

DOSA*Tec* Peristaltic pump DOSA*Flex*

Pump with directly coupled stepper motor, < 35 dB.



Product description:

- LCD display
- Operating modes:
 - mA Mode (proportional dosing by current signal 4–20 mA
 - or 20–4 mA)
 - Manual mode, Ton/Toff (constant dosing)
 - ppm mode (dosing according to concentration calculations)
 - Batch mode (dosing according to container level)
 - 1 : N (increase in dosing rate) or N : 1 mode (decrease in dosing rate)
- Level detector
- Alarm output as relay
- Power supply: 110–240 V

3

Areas of application:

- Continuous, volume-controlled dosing, e.g. in swimming pools (flocculants, activated carbon, chemical additives).
- Processes with low outlet pressure, e.g. dosing in galvanic.
- Baths and settling tanks.

Scope of supply:

- DOSA*Tec* Peristaltic pump DOSA*Flex*, optional installation kit (see options)

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Suction lift meter	Hose connection: mm	Item number:
DOSA <i>Flex</i> 2	0.002–2.000	3	1	Union-nut 4 x 6 mm	3486000
DOSA <i>Flex</i> 10	0.010–10.000	2			3486010

Options:

Type:	Item number:
Injection valve IVN ½", 4 x 6 mm, PVDF, Viton® (seals); foot valve, axial type ½" with filter and weight, 4 x 6 mm, PVDF; suction hose PVC, 4 x 6 mm; PE dosing hose, 4 x 6 mm	8988210
Injection valve IVN ½", 4 x 6 mm, PVDF, EPDM (seals); foot valve, axial type ½" with filter and weight, 4 x 6 mm, EPDM; suction hose PVC, 4 x 6 mm; PE dosing hose, 4 x 6 mm	8988220

Spare parts:

Type:	Dosing capacity:	Item number:
Replacement peristaltic hose, Norpren	2.0 l/h, 3 bar	9086600
Replacement peristaltic hose, Viton®	10 l/h, 2 bar	9086605
Replacement peristaltic hose, PharMed	10 l/h, 2 bar	9086610

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15.04.2019

1.2.2.

DOSATec Peristaltic pump DOSAFlex pH-Rx

Capacity range up to 3 l/h, including pH or Redox-Regulation.



Product description:

- LCD hermoplastic hose
- Self-priming
- integrated electronic controller for measuring and regulation of pH and Redox value (accessories will be needed: sensors, flow cell, filter)
- pH-range: 4–9
- Rx (ORP) range: -300 to +900 mV
- Set Point adjustment
- Over alarm, indicates an overdose situation
- Level switch input
- Power supply: 230 V

Areas of application:

- Domestic, small swimming pools and wellness centres.

Scope of supply:

- DOSATec Peristaltic pump DOSAFlex, optional installation kit (see options)

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Suction lift meter	Hose connection: mm	Item number:
DOSAFlex ph-Rx	1.5	1.5	1	4 x 7	40113405
	3.0	1.5			40113400
	2.0	2.0		4,8 x 9,6	40113410
	3.0	3.0			40113415

Options:

Type:	Item number:
Injection valve IVN ½", 4 x 6 mm, PVDF, Viton® (seals); foot valve, axial type ½" with filter and weight, 4 x 6 mm, PVDF; suction hose PVC, 4 x 6 mm; PE dosing hose, 4 x 6 mm	8988210
Injection valve IVN ½", 4 x 6 mm, PVDF, EPDM (seals); foot valve, axial type ½" with filter and weight, 4 x 6 mm, EPDM; suction hose PVC, 4 x 6 mm; PE dosing hose, 4 x 6 mm	8988220

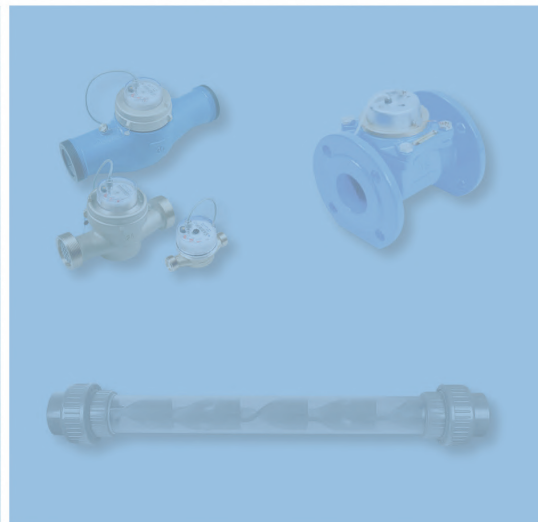
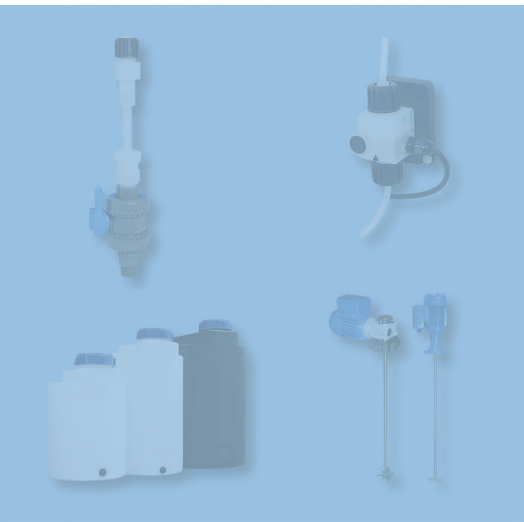
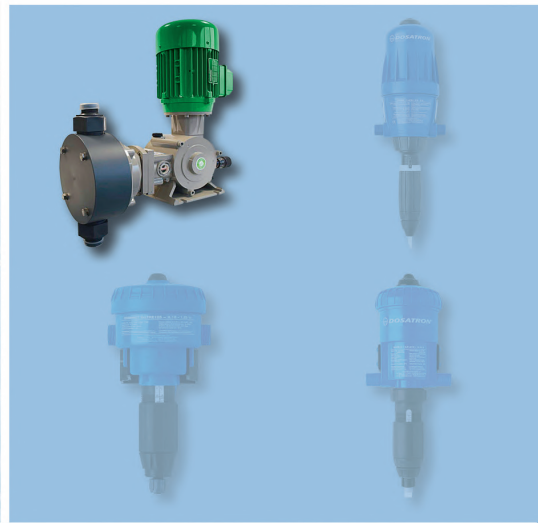
Spare parts:

Type:	Dosing capacity:	Item number:
Replacement peristaltic hose for DOSATecFlex-ph/Rx	1,5 l/h against 1,5 bar; 3,0 l/h gegen 1,5 bar	90113200
Replacement peristaltic hose for DOSATecFlex-ph/Rx	2,0 l/h against 2,0 bar; 3,0 l/h gegen 3,0 bar	90113201

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14.08.2018

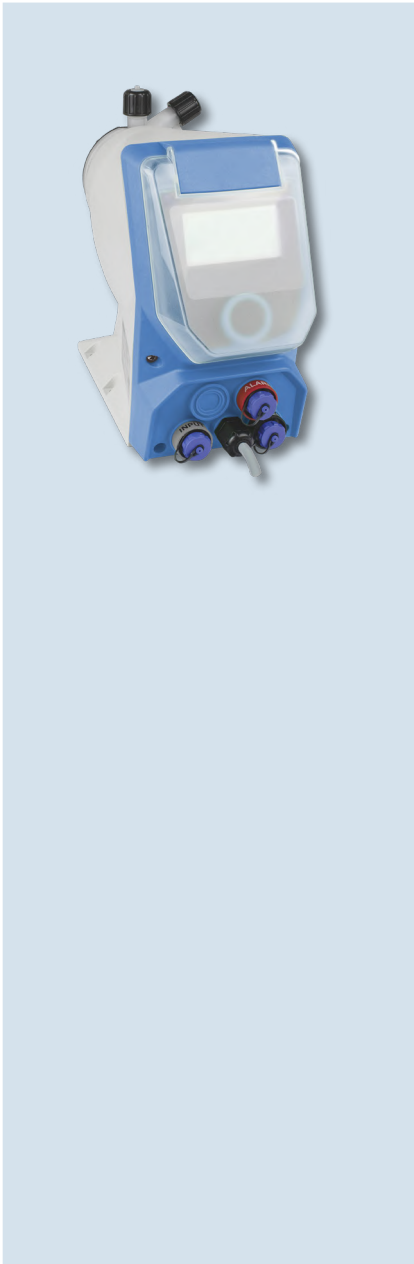


3. Dosing technology

1.3. Motorised diaphragm dosing pumps

1.3.1.

DOSA Tec PRISMA stepper motor-driven diaphragm dosing pump



Stepper motor-driven diaphragm dosing pump for ultra-precise dosing of liquid media. The turndown ratio of 1:4800 ensures precise and uniform dosing. The slow-motion mode enables dosing of higher viscosity media up to 10,000 CPS.

Product description:

- Capacity: 0 - 80 l/h
- Pressure range: 0 - 25 bar
- Slow-motion mode: 100 % - 1 %
- Pump head material: PVDF, PP, SS (AISI 316), acrylic (PMMA)
- Seal material: Viton®, EPDM, nitrile, PTFE
- Diaphragm material: PTFE
- Power supply: 90 - 240 V AC, 50/60 Hz, 9 - 36 V DC (optional)
- Manual pump head priming valve
- Suitable for mounting on a base
- Multifunction input for/to:
 - Level signal (with pre-alarm)
 - Pulse input (water meter), ppm mode, %, mlq, mA, V, pulse
 - mA (0/4 - 20 mA) for external control of the stroke frequency (power)
 - Power input (0 - 10 V) for external control of the stroke frequency (power)
 - Start contact for BATCH mode
 - External dosing start
- Outputs:
 - Alarm (relay free contact, N.O./N.C, max. 250 V AC, 2 A)
 - RS485 or Modbus (optional), for integration into a process control system (slave), optional
 - mA output, optional
- Languages available: DE, EN, FR, IT, ES

3

Areas of application:

- Dosage of small and medium fluid volumes: Water treatment, process industry, acids, alkalis, flocculants, precipitants, dosing of higher viscosity media up to 10,000 CPS), etc.

Scope of supply:

- **DOSA Tec Prisma** stepper motor-driven diaphragm dosing pump, set of accessories (foot valve with level switch and 2.5 m power cable with BNC plug, injection valve, pressure and suction hose*, hose fitting, vent hose*, 3-pole signal cable* (alarm); (* 2 m each), 5-pole signal cable for universal signal input „INPUT“, standby input and external start (1.5 m), other small parts).

Ordering data:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item No.:	
Prisma PVDF/viton® (Prisma dosing pump with PVDF pump head and Viton® seals)	2	25	180	30	4 x 6	4013101	
	5	20				4013102	
	7,5	16				4013103	
	13	10			6 x 8	4013104	
	20	7				4013105	
	28	5			suction side: 8 x 12	4013106	
	50	4				discharge side: 8 x 10	4013107
	80	2					4013108

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Reagent list:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item No.:						
Prisma PVDF/EPDM (Prisma dosing pump with PVDF pump head and EPDM seals)	2	25	180	30	4 x 6	4013121						
	5	20				4013122						
	7,5	16				4013123						
	13	10			6 x 8	4013124						
	20	7				4013125						
	28	5			suction side:	4013126						
	50	4				8 x 12	4013127					
	80	2				discharge side: 8 x 10	4013128					
Prisma PVDF/viton® (Prisma dosing pump with PP pump head and Viton® seals)	2	25			180	30	4 x 6	4013141				
	5	20						4013142				
	7,5	16						4013143				
	13	10					6 x 8	4013144				
	20	7						4013145				
	28	5					suction side:	4013146				
	50	4						8 x 12	4013147			
	80	2						discharge side: 8 x 10	4013148			
Prisma PP/EPDM (Prisma dosing pump with PP pump head and EPDM seals)	2	25					180	30	4 x 6	4013161		
	5	20								4013162		
	7,5	16								4013163		
	13	10							6 x 8	4013164		
	20	7								4013165		
	28	5							suction side:	4013166		
	50	4								8 x 12	4013167	
	80	2								discharge side: 8 x 10	4013168	
Prisma Acryl (PMMA)/Viton® (Prisma dosing pump with acrylic (PMMA) pump head and Viton® seals)	1	20							180	30	4 x 6	4013180
	2	25										4013181
	5	20										4013182
	7,5	16									4013183	
	13	10	6 x 8	4013184								
	20	7		4013185								
	28	5	suction side:	4013186								
	50	4		8 x 12							4013187	
80	2	discharge side: 8 x 10		4013188								
Prisma Acryl (PMMA)/EPDM (Prisma dosing pump with acrylic (PMMA) pump head and EPDM seals)	1	20	180	30							4 x 6	4013200
	2	25										4013201
	5	20										4013202
	7,5	16			4013203							
	13	10			6 x 8	4013204						
	20	7				4013205						
	28	5			suction side:	4013206						
	50	4				8 x 12					4013207	
80	2	discharge side: 8 x 10				4013208						

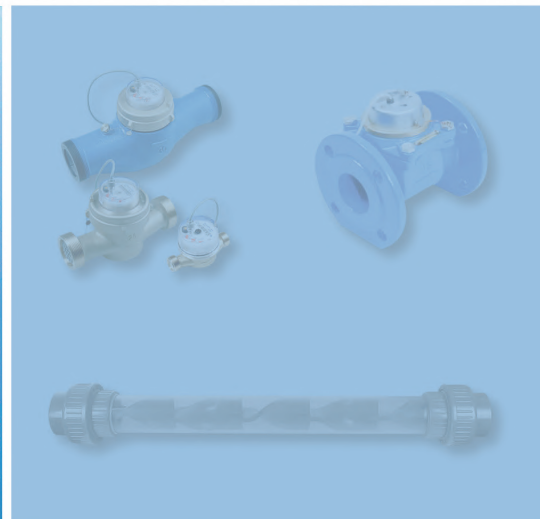
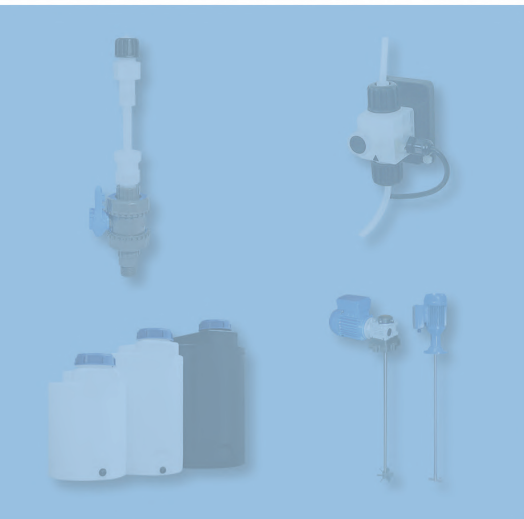
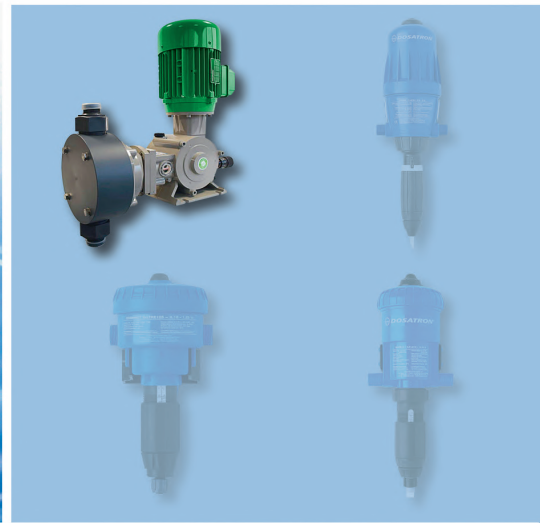
Reagent list:

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Watt:	Hose connection: mm	Item No.:
Prisma SS (AISI 316)/4iton® (Prisma dosing pump with SS (AISI 316) pump head and Viton® seals)	2	25	180	30	4 x 6	Available on request
	5	16				
	7,5	10				
	13	7				
	20	5				
	28	4				
	50	3				
	80	20				
Prisma SS (AISI 316)/EPDM (Prisma dosing pump with SS (AISI 316) pump head and EPDM seals)	2	25	180	30	4 x 6	Available on request
	5	20				
	7,5	16				
	13	10				
	20	7				
	28	5				
	50	4				
	80	2				

3

Optionen:

Typ:	Artikelnummer:
Diaphragm made of nitrile or PTFE on request	Available on request
mA output	Available on request
RS485 output	Available on request
Modbus output	Available on request



3. Dosing technology

1.4. Motorised diaphragm dosing pumps

1.4.1.

DOSA Tec Motorised diaphragm dosing pump FM-50

High dosing accuracy and robust technology with a vertically mounted electric motor.



Product description:

- Capacity: 4.5–47 l/h
- Pressure range: 5–10 bar
- Max. dosing fluid temperature:
 - PP, PVC: 40 °C
 - Stainless steel AISI 316: 60 °C
- Seals: Viton®, EPDM
- Stroke frequency 0–116 per min
- Dosing head, electively: PP, PVC, PVDF, stainless steel AISI 316
- Valves, electively: PP, PVC, PVDF, stainless steel AISI 316
- Valve balls: Pyrex®, stainless steel AISI 316
- Membrane: PTFE

3

Areas of application:

- Constant dosing without a controller.
- Water treatment, process technology, wastewater treatment.

Scope of supply:

- **DOSA Tec FM-50** Motorised diaphragm dosing pump, with selected options, see codes **-11, -12, -13, -16, -23**, (the gear is already filled with grease)

Technical data:

Type:			
Stroke adjustment	Infinitely variable from 0–100 %, manual		
Standard reduction gear	+		
Motor rating	0.18 kW		
Power supply	three phase 230/400 VAC, 50/60* Hz (single phase 230/240 VAC, 50/60 Hz* also available as an option)		
Type: Coded with end number e.g: FM-50-11	Pump head:	Valve balls:	Valve seats:
11	Stainless steel AISI 316:	Stainless steel AISI 316	Stainless steel AISI 316
12	PP	Pyrex®	PP
13	PVC	Pyrex®	PVC
16	PVC	SS 316	PVC
23	PVDF	Pyrex®	PVDF

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Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Stroke volume: ml/stroke	Stroke frequency: 1/min.	Membrane: Ø mm	Hose connection: inches	Item number:
FM-50-30-11	4.5	10	1.83	41	30	½	3712020
	7.0		2.01	58			3712021
	9.5		1.93	82			3712022
	14.0		2.01	116			3712023
FM-50-30-12	4.5		1.83	41			3712025
	7.0		2.01	58			3712026
	9.5		1.93	82			3712027
	14.0		2.01	116			3712028
FM-50-30-13	4.5		1.83	41			3712030
	7.0		2.01	58			3712031
	9.5		1.93	82			3712032
	14.0		2.01	116			3712033
FM-50-30-16	4.5		1.83	41			3712040
	7.0		2.01	58			3712041
	9.5		1.93	82			3712042
	14.0		2.01	116			3712043
FM-50-30-23	4.5	1.83	41	3712035			
	7.0	2.01	58	3712036			
	9.5	1.93	82	3712037			
	14.0	2.01	116	3712038			
FM-50-50-11	17.0	5	6.91	41	50	½	3712010
	23.0		6.61	58			3712011
	34.0		6.91	82			3712012
	47.0		6.75	116			3712013
FM-50-50-12	17.0		6.91	41			3712000
	23.0		6.61	58			3712001
	34.0		6.91	82			3712002
	47.0		6.75	116			3712003
FM-50-50-13	17.0		6.91	41			3712005
	23.0		6.61	58			3712006
	34.0		6.91	82			3712007
	47.0		6.75	116			3712008
FM-50-50-16	17.0		6.91	41			3712050
	23.0		6.61	58			3712051
	34.0		6.91	82			3712052
	47.0		6.75	116			3712053
FM-50-50-23	17.0		6.91	41			3712015
	23.0		6.61	58			3712016
	34.0		6.91	82			3712017
	47.0		6.75	116			3712018

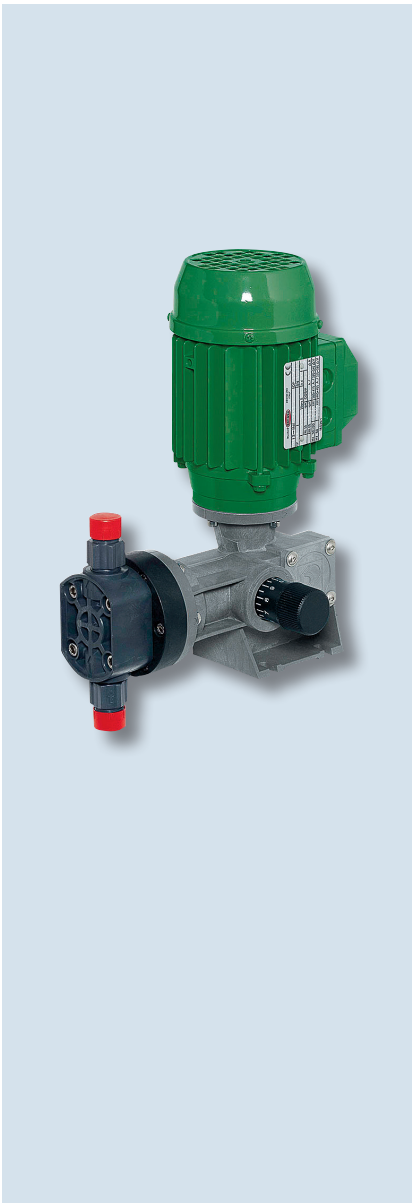
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Options:

Electrical connection:	Item number:
Single-phase 230 VAC, 50 Hz, 0.18 kW	9012450
Single-phase 240 VAC, 50 Hz, 0.18 kW	9012453
Seals:	
EPDM for 1" valves (2 pcs.)	9012802
Viton® for ½" valves (2 pcs.)	9012801

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07.02.2022

High dosing accuracy and robust technology with a vertically mounted electric motor.



Product description:

- Capacity: 4.0–49 l/h
- Pressure range: 10–14 bar
- Max. dosing fluid temperature:
 - PP, PVC: 40 °C
 - Stainless steel AISI 316: 60 °C
- Seals: Viton®, EPDM
- Stroke frequency: 0–116 per min
- Dosing head, electively: PP, PVC, PVDF, stainless steel AISI 316
- Valves, electively: PP, PVC, PVDF, stainless steel AISI 316
- Valve balls: Pyrex®, stainless steel AISI 316
- Membrane: PTFE
- Optional frequency converter/control

3

Areas of application:

- Constant dosing without a controller.
- Water treatment, process technology, wastewater treatment.

Scope of supply:

- **DOSA*Tec* D-50** Motorised diaphragm dosing pump, with selected options, see codes **-11, -12, -13, -16, -23**, ((optional: gear oil, not included in the scope of delivery)

Technical data:

Type:			
Stroke adjustment	Infinitely variable from 0 – 100 %, manual		
Standard reduction gear	+		
Motor rating	0.18 kW		
Power supply	three phase 230/400 VAC, 50/60* Hz (single phase 230/240 VAC, 50/60 Hz* also available as an option)		
Type: Coded with end number e.g: D-50-11	Pump head:	Valve balls:	Valve seats:
11	Stainless steel AISI 316	Stainless steel AISI 316	Stainless steel AISI 316
12	PP	Pyrex®	PP
13	PVC	Pyrex®	PVC
16	PVC	SS 316	PVC
23	PVDF	Pyrex®	PVDF

Viton® is the registered trademark for DuPont Dow Elastomer.

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Stroke volume: ml/stroke	Stroke frequency: 1/min.	Membrane: Ø mm	Hose connection: inches	Item number:		
D-50-30-11	5.0	14	2.38	35	30	½	4212500		
	8.0		2.3	58			4212501		
	14.0		2.43	96			4212502		
	17.0		2.44	116			4212503		
D-50-30-12	5.0	10	2.38	35			4212550		
	8.0		2.3	58			4212551		
	14.0		2.43	96			4212552		
	17.0		2.44	116			4212553		
D-50-30-13	5.0		10	2.38			35	4212530	
	8.0			2.3			58	4212531	
	14.0			2.43			96	4212532	
	17.0			2.44			116	4212533	
D-50-30-16	5.0			10			2.38	35	4212560
	8.0						2.3	58	4212561
	14.0						2.43	96	4212562
	17.0						2.44	116	4212563
D-50-30-23	5.0				10	1.90	35	4212570	
	8.0					2.01	58	4212571	
	14.0					2.00	96	4212572	
	17.0					2.01	116	4212573	
D-50-50-11	14.0	10				6.67	35	4212510	
	24.0					6.90	58	4212511	
	39.0					6.77	96	4212512	
	49.0					7.04	116	4212513	
D-50-50-12	14.0		10			6.67	35	4212520	
	24.0					6.90	58	4212521	
	39.0					6.77	96	4212522	
	49.0					7.04	116	4212523	
D-50-50-13	14.0			10		6.67	35	4212540	
	24.0					6.90	58	4212541	
	39.0					6.77	96	4212542	
	49.0					7.04	116	4212543	
D-50-50-16	14.0				10	6.67	35	4212580	
	24.0					6.90	58	4212581	
	39.0					6.77	96	4212582	
	49.0					7.04	116	4212583	
D-50-50-23	14.0	10				6.67	35	4212590	
	24.0					6.90	58	4212591	
	39.0					6.77	96	4212592	
	49.0					7.04	116	4212593	

Options:

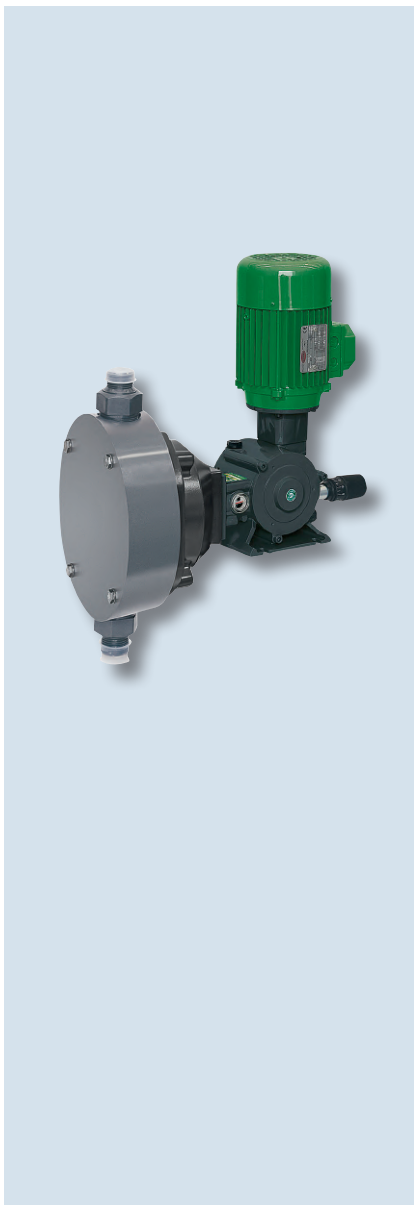
Electrical connection:	Item number:
Single-phase 230 VAC, 50 Hz, 0.18 kW	9012452
Single-phase 240 VAC, 50 Hz, 0.18 kW	9012454
Explosion proof (Exd IIBT4) three-phase 230/400 VAC, 50 Hz, 0.18 kW	9012456
Seals:	
EPDM for 1" valves (2 pcs.)	9012802
Viton® for ½" valves (2 pcs.)	9012801
Frequency converter:	
Frequency converter/control	4312000
Oil:	
Gear oil	9088001

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1.4.3.

DOSA Tec Motorised diaphragm dosing pump D-100

Pump covering a capacity of 53–438 l/h.



Product description:

- Capacity: 53 – 438 l/h
- Pressure range: 1.5–5 bar
- Max. dosing fluid temperature:
 - PP, PVC: 40 °C
 - Stainless steel AISI 316, 60 °C
- Seals: FPM (Viton®), EPDM
- Stroke frequency: 0–116 per min
- Dosing head, electively: PP, PVC, PVDF, stainless steel AISI 316
- Valves, electively: PP, PVC, PVDF, stainless steel AISI 316
- Valve balls: Pyrex®, stainless steel AISI 316
- Membrane: PTFE
- Optional frequency converter/control

3

Areas of application:

- Constant dosing without a controller.
- Water treatment, process technology, wastewater treatment.

Scope of supply:

- **DOSA Tec D-100** Motorised diaphragm dosing pump, with selected options, see codes **-11, -12, -13, -16, -23**, (optional: gear oil, not included in the scope of delivery)

Technical data:

Type:			
Stroke adjustment	Infinitely variable from 0 – 100 %, manual		
Standard reduction gear	+		
Motor rating	0.18 kW		
Power supply	three phase 230/400 VAC, 50/60* Hz (single phase 230/240 VAC, 50/60 Hz* also available as an option)		
Type: Coded with end number e.g: D-100-11	Pump head:	Valve balls:	Valve seats:
11	Stainless steel AISI 316	Stainless steel AISI 316	Stainless steel AISI 316
12	PP	Pyrex®	PP
13	PVC	Pyrex®	PVC
16	PVC	SS 316	PVC
23	PVDF	Pyrex®	PVDF

Viton® is the registered trademark for DuPont Dow Elastomer.

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Stroke volume: ml/stroke	Stroke frequency: 1/min.	Membrane: Ø mm	Hose connection: inches	Item number:			
D-100-70-11	53	5	25.24	35	70	½	3812000			
	88		25.29	58			3812001			
	146		25.35	96			3812002			
	176		25.29	116			3812003			
D-100-70-12	53		25.24	35			3812060			
	88		25.29	58			3812061			
	146		25.35	96			3812062			
	176		25.29	116			3812063			
D-100-70-13	53		25.24	35			3812020			
	88		25.29	58			3812021			
	146		25.35	96			3812022			
	176		25.29	116			3812023			
D-100-70-16	53		25.24	35			3812040			
	88		25.29	58			3812041			
	146		25.35	96			3812042			
	176		25.29	116			3812043			
D-100-70-23	53	25.24	35	3812070						
	88	25.29	58	3812071						
	146	25.35	96	3812072						
	176	25.29	116	3812073						
D-100-90-11	81	3	38.57	35	90	¾	3812005			
	135		38.79	58			3812006			
	224		38.89	96			3812007			
	271		38.94	116			3812008			
D-100-90-12	81		38.57	35			3812065			
	135		38.79	58			3812066			
	224		38.89	96			3812067			
	271		38.94	116			3812068			
D-100-90-13	81		38.57	35			3812025			
	135		38.79	58			3812026			
	224		38.89	96			3812027			
	271		38.94	116			3812028			
D-100-90-16	81		38.57	35			3812045			
	135		38.79	58			3812046			
	224		38.89	96			3812047			
	271		38.94	116			3812048			
D-100-90-23	81		38.57	35			3812075			
	135		38.79	58			3812076			
	224		38.89	96			3812077			
	271		38.94	116			3812078			
D-100-105-11	108		1.5	51.43			35	105		3812010
	180			51.72			58			3812011
	297			51.56			96			3812012
	360			51.72			116			3812013
D-100-105-12	108	51.43		35	3812090					
	180	51.72		58	3812091					
	297	51.56		96	3812092					
	360	51.72		116	3812093					
D-100-105-13	108	51.43		35	3812030					
	180	51.72		58	3812031					
	297	51.56		96	3812032					
	360	51.72		116	3812033					

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Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Stroke volume: ml/stroke	Stroke frequency: 1/min.	Membrane: Ø mm	Hose connection: inches	Item number:
D-100-105-16	108	1.5	51.43	35	105	¾	3812050
	180		51.72	58			3812051
	297		51.56	96			3812052
	360		51.72	116			3812053
D-100-105-23	108		51.43	35			3812080
	180		51.72	58			3812081
	297		51.56	96			3812082
	360		51.72	116			3812083
D-100-120-11	132	1	62.86	35	120	1	3812015
	219		62.93	58			3812016
	362		62.85	96			3812017
	438		62.95	116			3812018
D-100-120-12	132		62.86	35			3812095
	219		62.93	58			3812096
	362		62.85	96			3812097
	438		62.95	116			3812098
D-100-120-13	132		62.86	35			3812035
	219		62.93	58			3812036
	362		62.85	96			3812037
	438		62.95	116			3812038
D-100-120-16	132		62.86	35			3812055
	219		62.93	58			3812056
	362		62.85	96			3812057
	438		62.95	116			3812058
D-100-120-23	132	62.86	35	3812085			
	219	62.93	58	3812086			
	362	62.85	96	3812087			
	438	62.95	116	3812088			

3
Options:

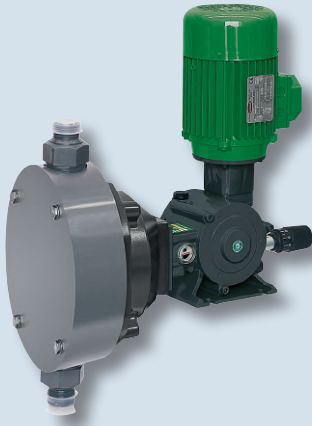
Electrical connection:	Item number:
Single-phase 230 VAC, 50 Hz, 0.18 kW	9012452
Single-phase 240 VAC, 50 Hz, 0.18 kW	9012454
Explosion proof (Exd IIBT4) three-phase 230/400 VAC, 50 Hz, 0.18 kW	9012456
Seals:	
2050 Viton® for ½" valves (2 pcs.)	9012801
2050 EPDM for ½" valves (2 pcs.)	9012802
3093 Viton® for 1" valves (2 pcs.)	9012803
3093 EPDM for 1" valves (2 pcs.)	9012805
3062 Viton® for ¾" valves (2 pcs.)	9012804
3062 EPDM for ¾" valves (2 pcs.)	9012806
Frequency converter:	
Frequency converter/control	4312000
Oil:	
Gear oil	9088001

Viton® is the registered trademark for DuPont Dow Elastomer.

1.4.4.

DOSA Tec Motorised diaphragm dosing pump D-101

Pump covering a capacity of 105–415 l/h.



Product description:

- Capacity: 105–418 l/h
- Pressure range: 3–8 bar
- Max. dosing fluid temperature:
 - PP, PVC: 40 °C
 - Stainless steel AISI 316: 60 °C
- Seals: Viton®, EPDM
- Stroke frequency: 0–120 per min
- Dosing head, electively: PP, PVC, PVDF, stainless steel AISI 316
- Valves, electively: PP, PVC, PVDF, stainless steel AISI 316
- Valve balls: Pyrex®, stainless steel AISI 316
- Membrane: PTFE
- Optional frequency converter/control

3

Areas of application:

- Constant dosing without a controller.
- Water treatment, process technology, wastewater treatment.

Scope of supply:

- **DOSA Tec D-101** Motorised diaphragm dosing pump, with selected options, see codes **-11, -12, -13, -16, -23**, (optional: gear oil, not included in the scope of delivery)

Technical data:

Type:			
Stroke adjustment	Infinitely variable from 0–100 %, manual		
Standard reduction gear	+		
Motor rating	0.25 kW, 0.37 kW		
Power supply	three phase 230/400 VAC, 50/60* Hz (single phase 230/240 VAC, 50/60 Hz* also available as an option)		
Type: Coded with end number e.g: D-101-11	Pump head:	Valve balls:	Valve seats:
11	Stainless steel AISI 316	Stainless steel AISI 316	Stainless steel AISI 316
12	PP	Pyrex®	PP
13	PVC	Pyrex®	PVC
16	PVC	SS 316	PVC
23	PVDF	Pyrex®	PVDF

Viton® is the registered trademark for DuPont Dow Elastomer.

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Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Stroke volume: ml/stroke	Stroke frequency: 1/min.	Membrane: Ø mm	Hose connection: inches	Item number:			
D-101-70-11	105	8	25.00	70	70	½	3812100			
	144		25.00	96			3812101			
	180		25.00	120			3812102			
D-101-70-12	105		25.00	70			3812200			
	144		25.00	96			3812201			
	180		25.00	120			3812202			
D-101-70-13	105		25.00	70			3812120			
	144		25.00	96			3812121			
	180		25.00	120			3812122			
D-101-70-16	105		25.00	70			3812140			
	144		25.00	96			3812141			
	180		25.00	120			3812142			
D-101-70-23	105	25.00	70	3812170						
	144	25.00	96	3812171						
	180	25.00	120	3812172						
D-101-90-11	158	5	37.62	70	90	¾	3812105			
	217		37.67	96			3812106			
	271		37.64	120			3812107			
D-101-90-12	158		37.62	70			3812205			
	217		37.67	96			3812206			
	271		37.64	120			3812207			
D-101-90-13	158		37.62	70			3812125			
	217		37.67	96			3812126			
	271		37.64	120			3812127			
D-101-90-16	158		37.62	70			3812145			
	217		37.67	96			3812146			
	271		37.64	120			3812147			
D-101-90-23	158		37.62	70			3812175			
	217		37.67	96			3812176			
	271		37.64	120			3812177			
D-101-105-11	212		3	50.48			70	105	¾	3812110
	292			50.69			96			3812111
	365			50.69			120			3812112
D-101-105-12	212			50.48			70			3812210
	292			50.69			96			3812211
	365			50.69			120			3812212
D-101-105-13	212			50.48			70			3812230
	292			50.69			96			3812231
	365			50.69			120			3812232
D-101-105-16	212	50.48		70	3812150					
	292	50.69		96	3812151					
	365	50.69		120	3812152					
D-101-105-23	212	50.48		70	3812180					
	292	50.69		96	3812181					
	365	50.69		120	3812182					
D-101-120-11	244	120		58.10	70	1	3812115			
	334			57.99	96		3812116			
	418			58.06	120		3812117			
D-101-120-12	244			58.10	70		3812215			
	334			57.99	96		3812216			
	418			58.06	120		3812217			
D-101-120-13	244			58.10	70		3812135			
	334			57.99	96		3812136			
	418			58.06	120		3812137			

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20.11.2017

Ordering data:

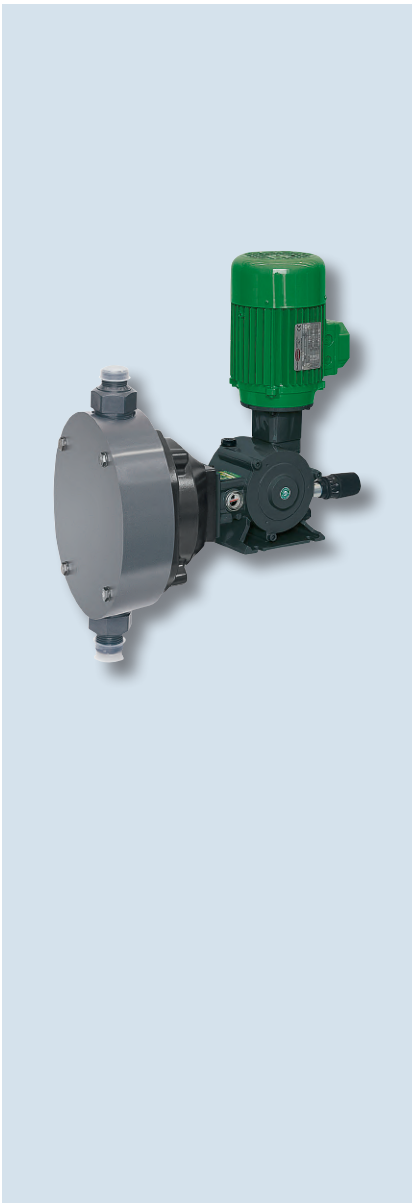
Type:	Dosing capacity: l/h	Pressure range: bar	Stroke volume: ml/stroke	Stroke frequency: 1/min.	Membrane: Ø mm	Hose connection: inches	Item number:
D-101-120-16	244	3	58.10	70	120	1	3812155
	334		57.99	96			3812156
	418		58.06	120			3812157
D-101-120-23	244		58.10	70			3812185
	334		57.99	96			3812186
	418		58.06	120			3812187

Options:

Electrical connection:	Item number:
Single-phase 230 VAC, 50 Hz, 0.25 kW	9012470
Single-phase 240 VAC, 50 Hz, 0.25 kW	9012471
Explosion proof (Exd IIBT4), three-phase 230 / 400 V AC, 50 Hz, 0.25	9012472
Single-phase 230 VAC, 50 Hz, 0.37 kW	9012475
Single-phase 240 VAC, 50 Hz, 0.37 kW	9012476
Seals:	
2050 Viton® for ½" valves (2 pcs.)	9012801
2050 EPDM for ½" valves (2 pcs.)	9012802
3093 Viton® for 1" valves (2 pcs.)	9012803
3093 EPDM for 1" valves (2 pcs.)	9012805
3062 Viton® for ¾" valves (2 pcs.)	9012804
3062 EPDM for ¾" valves (2 pcs.)	9012806
Frequency converter:	
Frequency converter/control 0,25 kW	4312005
Frequency converter/control 0,37 kW	4312010
Oil:	
Gear oil	9088001

Viton® is the registered trademark for DuPont Dow Elastomer.

Pump covering a capacity of 332–570 l/h.



Product description:

- Capacity: 332–570 l/h
- Pressure range: 3 bar
- Max. dosing fluid temperature:
 - PP, PVC: 40 °C
 - Stainless steel AISI 316: 60 °C
- Seals: Viton®
- Stroke frequency 0–120 per min
- Dosing head, electively: PP, PVC, PVDF, stainless steel AISI 316
- Valves, electively: PP, PVC, PVDF, stainless steel AISI 316
- Valve balls: Pyrex®, stainless steel AISI 316
- Membrane: PTFE
- Optional frequency converter

3

Areas of application:

- Constant dosing without a controller.
- Water treatment, process technology, wastewater treatment.

Scope of supply:

- **DOSA Tec D-121** Motorised diaphragm dosing pump, with selected options, see codes **-11, -12, -13, -16, -23**, (optional: gear oil, not included in the scope of delivery)

Technical data:

Type:			
Stroke adjustment	Infinitely variable from 0–100 %, manual		
Standard reduction gear	+		
Motor rating	0.25 kW, 0.37 kW		
Power supply	three phase 230/400 VAC, 50/60* Hz (single phase 230/240 VAC, 50/60 Hz* also available as an option)		
Type: Coded with end number e.g: D-121-11	Pump head:	Valve balls:	Valve seats:
11	Stainless steel AISI 316	Stainless steel AISI 316	Stainless steel AISI 316
12	PP	Pyrex®	PP
13	PVC	Pyrex®	PVC
16	PVC	SS 316	PVC
23	PVDF	Pyrex®	PVDF

Viton® is the registered trademark for DuPont Dow Elastomer.

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Stroke volume: ml/stroke	Stroke frequency: 1/min.	Membrane: Ø mm	Hose connection: inches	Item number:
D-121-120-11	332	3	79.05	70	120	1	3912000
	445		78.99	96			3912001
	570		79.17	120			3912002
D-121-120-12	332		79.05	70			3912010
	445		78.99	96			3912011
	570		79.17	120			3912012
D-121-120-13	332		79.05	70			3912020
	445		78.99	96			3912021
	570		79.17	120			3912022
D-121-120-16	332		79.05	70			3912030
	445		78.99	96			3912031
	570		79.17	120			3912032
D-121-120-23	332	79.05	70	3912040			
	445	78.99	96	3912041			
	570	79.17	120	3912042			

Options:

Electrical connection:	Item number:
Single-phase 230 VAC, 50 Hz, 0.25 kW	9012470
Single-phase 240 VAC, 50 Hz, 0.25 kW	9012471
Single-phase 230 VAC, 50 Hz, 0.37 kW	9012475
Single-phase 240 VAC, 50 Hz, 0.37 kW	9012476
Three-phase 230/400 VAC, 50 Hz, 0.25, Exd IIBT4	9012477
Seals:	
Viton® or 1" valves (2 pieces)	9012803
EPDM for 1" valves (2 pieces)	9012805
Frequency converter:	
Frequency converter/control 0,25 kW	4312005
Frequency converter/control 0,37 kW	4312010
Oil:	
Gear oil	9088001

Viton® is the registered trademark for DuPont Dow Elastomer.

Pump covering a capacity of 257 – 1.400 l/h.



Product description:

- Pressure range: 0–3 bar
- Max. dosing fluid temperature:
 - PP, PVC: 40 °C
 - Stainless steel AISI 316: 60 °C
- Seals: Viton®
- Stroke frequency 0–140 per min
- Dosing head, electively: PP, PVC, PVDF, stainless steel AISI 316
- Valves, electively: PP, PVC, PVDF, stainless steel AISI 316
- Valve balls: PTFE, stainless steel AISI 316
- Membrane: PTFE (coated)
- Optional frequency converter/control

3

Areas of application:

- Constant dosing without a controller.
- Water treatment, process technology, wastewater treatment.

Scope of supply:

- **DOSA Tec D-122** Motorised diaphragm dosing pump, with selected options, see codes **-11, -12, -13, -16, -23**, (optional: gear oil, not included in the scope of delivery)

Technical data:

Type:			
Stroke adjustment	Infinitely variable from 0–100 %, manual		
Standard reduction gear	+		
Motor rating	0.55 kW, 0.75 kW (D122N-160)		
Power supply	three phase 230/400 VAC, 50/60* Hz (single phase 230/240 VAC, 50/60 Hz* also available as an option)		
Type: Coded with end number e.g: D-122-11	Pump head:	Valve balls:	Valve seats:
11	Stainless steel AISI 316	Stainless steel AISI 316	Stainless steel AISI 316
12	PP	Pyrex®	PP
13	PVC	Pyrex®	PVC
16	PVC	SS 316	PVC
23	PVDF	Pyrex®	PVDF

Viton® is the registered trademark for DuPont Dow Elastomer.

Ordering data:

Type:	Dosing capacity: l/h	Pressure range: bar	Stroke volume: ml/stroke	Stroke frequency: 1/min.	Membrane: Ø mm	Hose connection: inches	Item number:
D-122-120-11	257	6	76.48	56	120	1	4212700
	445		77.25	96			4212701
	532		79.16	112			4212702
	650		77.38	140			4212703
D-122-140-11	437	3	130.06	56	140	1	4212710
	755		131.08	96			4212711
	864		128.57	112			4212712
	1165		138.69	140			4212713
D-122-160-11	527	3	156.84	56	160	1 ½	4212720
	896		155.55	96			4212721
	1062		158.03	112			4212722
	1330		158.33	140			4212723
D-122-120-12	270	6	80.36	56	120	1	4212730
	468		81.25	96			4212731
	560		83.33	112			4212732
	684		81.43	140			4212733
D-122-140-12	460	3	136.90	56	140	1	4212740
	495		138.02	96			4212741
	910		135.42	112			4212742
	1175		139.88	140			4212743
D-122-160-12	555	3	165.18	56	160	1 ½	4212750
	943		163.72	96			4212751
	1118		166.37	112			4212752
	1400		166.67	140			4212753
D-122-120-13	270	6	80.36	56	120	1	4212760
	468		81.25	96			4212761
	560		83.33	112			4212762
	684		81.43	140			4212763
D-122-140-13	460	3	136.90	56	140	1	4212770
	495		138.02	96			4212771
	910		135.42	112			4212772
	1175		139.88	140			4212773
D-122-160-13	555	3	165.18	56	160	1 ½	4212780
	943		163.72	96			4212781
	1118		166.37	112			4212782
	1400		166.67	140			4212783
D-122-120-23	270	6	80.36	56	120	1	4212790
	468		81.25	96			4212791
	560		83.33	112			4212792
	684		81.43	140			4212793
D-122-140-23	460	3	136.90	56	140	1	4212800
	495		138.02	96			4212801
	910		135.42	112			4212802
	1175		139.88	140			4212803
D-122-160-23	555	3	165.18	56	160	1 ½	4212811
	943		163.72	96			4212811
	1118		166.37	112			4212812
	1400		166.67	140			4212813

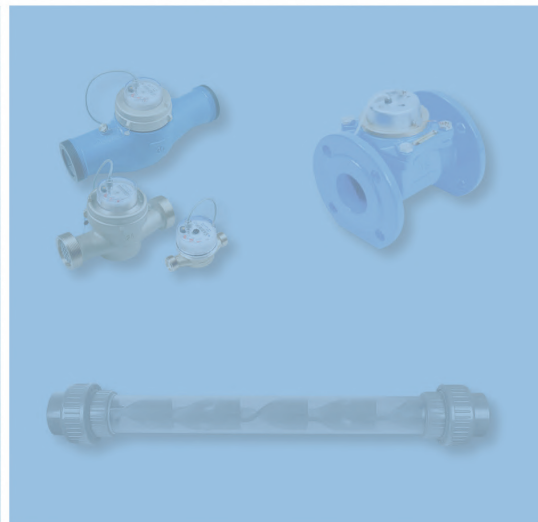
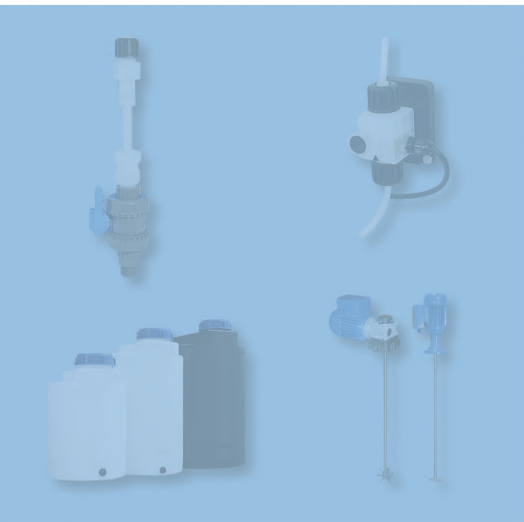
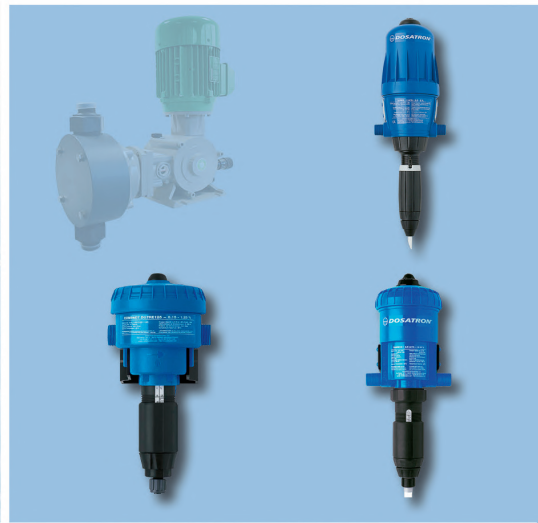
Subject to technical modifications and printing errors. Images may vary slightly from actual product
20.11.2017

Options:

Electrical connection:	Item number:
Single-phase 230V/50Hz for D-122N-120/140, 0.55 kw	9012462
Single-phase 240V/50Hz for D-122N-120/140, 0.55 kw	9012463
Three-phase 220V/60Hz for D-122N-120/140, 0.55 kw	9012464
Single-phase 110V/60Hz for D-122N-120/140, 0,55 kw	9012465
Single-phase 230V/50Hz for D-122N-160, 0.75 kw	9012466
Single-phase 240V/50Hz for D-122N-160, 0.75 kw	9012467
Single-phase 220V/60Hz for D-122N-160, 0.75 kw	9012468
Single-phase 110V/60Hz for D-122N-160, 0.75 kw	9012469
Seals:	
Viton® for 1" valves (2 pieces)	9012803
EPDM for 1" valves (2 pieces)	9012805
Frequency converter:	
Frequency converter/control	4312015
Frequency converter/control	4312020
Oil:	
Gear oil	9088001

Viton® is the registered trademark for DuPont Dow Elastomer.

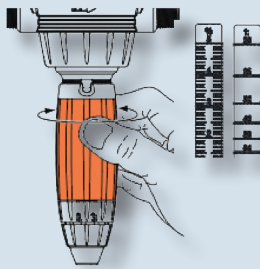




3. Dosing technology

1.5. Proportional doser unit

Proportional dosing with external adjustment.



Product description:

- Dosing range: 0.15–5.5 %
- Pressure range: 0.3–6 bar, depending on the model
- Water flow rate: 5–700 l/h
- Dosing feed rate: 0.0075–38.5 l/h
- Dosing: proportional, e.g. a setting of 1 % (corresponds to a dosage of 1 : 100)
- Average dosage tolerance: ±5 %
- Reproducibility: ±3 % (API675)
- Pressure loss: 0.3–1.4 bar
- Maximum temperature of drive water: 40 °C
- Minimum temperature of drive water: 5 °C
- Integrated mixing chamber
- With built-in bypass switch
- Drive:
 - hydraulic differential piston motor
 - self-priming
- Seals:
 - AF for alkaline solutions (pH 7–14),
 - VF acid (pH 1–7)
- Maximum intake height: 4 m

3

Areas of application:

- Disinfection, cleaning, hygiene, odour neutralisation, environmental industry, water treatment, food industry, horticulture, crop protection, pest control, fertilisation, pH/TH regulation, flocculation, car washes, metal processing, lubrication, oil, printing industry, car washes.

Easy adjustment of the dosing rate:

- The tips of the notch on the adjustment ring points to the corresponding value. The amount of concentrate fed is proportional to the volume of water flowing through the doser: e.g.: setting 1% = 1 : 100 = 1 part concentrate + 100 parts water.

Operating principle:

- When connected to the water mains, the doser uses the water pressure as its driving force, which causes it to suck concentrate in and dose it at the required concentration and mix it with the drive water. The stock solution made in this way flows through the doser. The amount of product dosed is proportional to the water flow rate, even if there are fluctuations in the flow rate or water pressure.

Scope of supply:

- DOSA*Tec* D07 Proportional doser, inclusive suction hose with filter, wall mount

Additional technical data:

Equipment:	Realisation:
Feed	Internal feed in discharge mixing chamber
Stroke	0.225 l (1 cycle = 1 click)
Dosing piston	Single-acting 10%, double acting from 10% upwards
Intake valve	Spring-loaded cone valve with seal
Ventilation	Built-in ventilation
Max. viscosity of concentrate	200 ... 800 cPs at 20 °C, from 400 cPs and > 2 % V-kit recommended for dosage
Intake	Intake filter with ballast
Connections	¾ M : BSP – NPT – Ø 20 x 27 mm
Integrated anti-siphon system	No

3

Ordering data:

Type:	Dosing rate: %	Ratio:	Waterflow rate: l/h	Pressure: bar	Hose connection: mm	Housing:	Item number:
D07RE125 AF (seals for alkaline media)	0.15–0.25	1 : 666 to	5–700	0.3–6	6 x 9	PP (Polypropylene)	4056446
D07RE125 VF (seals for acidic media)		1 : 80					4056445
D07RE5 AF (seals for alkaline media)	0.80–5.5	1 : 128 to					4056441
D07RE5 VF (seals for acidic media)		1 : 1,18					4056443
D07RE125 AF (seals for alkaline media)	0.15–1.25	1 : 666 to				PVDF	4056448
D07RE125 VF (seals for acidic media)		1 : 80					4056447
D07RE5 AF (seals for alkaline media)	0.80–5.5	1 : 128 to					4056442
D07RE5 VF (seals for acidic media)		1 : 1,18					4056440

Options:

Type:	Item number:
Product intake hose as viscous kit version.	9156040
Type:	
Hose connection:	
D07RE125 ...	12 x 16 mm
D07RE5 ...	

Accessories:

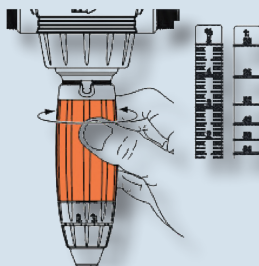
Type:	Item number:
½" pressure reducer male thread with pressure gauge	9156050
¾" water filter with Plexiglass container - Washable 80 micron filter cartridge	9156060
½" backflow preventer BA Micro DVGW tested (max.1000l/h)	9156070
½" backflow preventer BA Kompakt	9156080
½" stainless steel water-hammer-arrester	9156090

Recommendations:

- To maximise the service life of the doser, we recommend the following:
 - Install a filter (60 micron [300 mesh]) upstream of the doser if the water quality requires one
 - Change the dosing seals at least once a year
 - Rinse with clear water as often as possible, but at least when decommissioning
 - Adjust the doser with the pressure shut off
 - Install the necessary protective devices (flow limiters/pressure limiters and water hammer arresters etc.) in the pipeline system for protection against
 - excess flow, excess pressure and pressure spikes.
 - Install dosers in a total by-pass system

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
26.03.2019

Proportional dosing with external adjustment



Product description:

- Dosing range: 0.2–5 %
- Pressure range: 0.3– 8 bar, depending on the model
- Water flow rate: 500– 9000 l/h
- Dosing feed rate: 1–450 l/h
- Dosing: proportional, e.g. a setting of 1 % (corresponds to a dosage of 1 : 100)
- Average dosage tolerance: ±10 %
- Reproducibility: ±3 % (API675)
- Pressure loss: 0.2–2.3 bar
- Maximum temperature of drive water: 40 °C
- Minimum temperature of drive water: 5 °C
- Integrated mixing chamber
- Drive:
 - hydraulic differential piston motor
 - self-priming
- Seals:
 - AF for alkaline solutions (pH 7–14)
 - VF acid (pH 1–7)
- Maximum intake height: 4 m

3

Areas of application:

- Disinfection, cleaning, hygiene, odour neutralisation, environmental industry, water treatment, food industry, horticulture, crop protection, pest control, fertilisation, pH/TH regulation, flocculation, car washes, metal processing, lubrication, oil, printing industry, car washes

Easy adjustment of the dosing rate:

- The tips of the notch on the adjustment ring points to the corresponding value. The amount of concentrate fed is proportional to the volume of water flowing through the doser: e.g.: setting 1 % = 1 : 100 = 1 part concentrate + 100 parts water.

Operating principle:

- When connected to the water mains, the doser uses the water pressure as its driving force, which causes it to suck concentrate in and dose it at the required concentration and mix it with the drive water. The stock solution made in this way flows through the doser. The amount of product dosed is proportional to the water flow rate, even if there are fluctuations in the flow rate or water pressure.

Scope of supply:

- DOSA Tec D9 Proportional doser, inclusive suction hose with filter, wall mount

Additional technical data:

Equipment:	Realisation:
Feed	Internal feed in discharge mixing chamber
Stroke	1,7 l (1 Zyklus = 2 Klacklaute)
Intake valve	Spring-loaded cone valve with seal
Ventilation	Built-in ventilation
Max. viscosity of concentrate	600 – 3000 cPs at 20 °C
Intake	Intake filter with ballast
Connections	1 ½" M: NPT - BSP Ø 40 x 49 mm
Integrated anti-siphon system	No

3

Ordering data:

Type:	Dosing rate: %	Ratio:	Waterflow rate: l/h	Pressure: bar	Hose connection: mm	Housing:	Item number:
D9RE2 AF (seals for alkaline media)	0,2 ... 2	1 : 500 ...	500 ... 9000	0,3 ... 8	16 x 22	PP	4056815
D9RE2 VF (seals for acidic media)		1 : 50					4056810
D9RE5 AF (seals for alkaline media)	1 ... 5	1 : 100 ...	500 ... 9000	0,5 ... 8	20 x 27		4056830
D9RE VF (seals for acidic media)		1 : 20					4056835

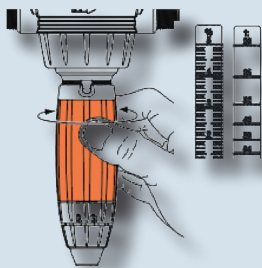
Options:

Type:	Item number:
Product intake hose as viscous kit version	9156040
D9RE2 ...	
An optional by-pass switch is available, which allows the intake system to be switched on/off	
	9156045

Recommendations:

- To maximise the service life of the doser, we recommend the following:
 - Install a filter (60 micron [300 mesh]) upstream of the doser if the water quality requires one
 - Change the dosing seals at least once a year
 - Rinse with clear water as often as possible, but at least when decommissioning
 - Adjust the doser with the pressure shut off
 - Install the necessary protective devices (flow limiters/pressure limiters and water hammer arresters etc.) in the pipeline system for protection against
 - excess flow, excess pressure and pressure spikes.
 - Install dosers in a total by-pass system

Proportional dosing with external adjustment.



Product description:

- Dosing range: 0.1 – 10 %
- Pressure range: 0.3–6 bar, depending on the model
- Water flow rate: 10–2500 l/h
- Dosing feed rate: 0.007–250 l/h
- Dosing: proportional, e.g. a setting of 1 % (corresponds to a dosage of 1 : 100)
- Average dosage tolerance: ±5 %
- Reproducibility: ±3 % (API675)
- Pressure loss: 0.3 – 1.9 bar
- Maximum temperature of drive water: 40 °C
- Minimum temperature of drive water: 5 °C
- Integrated mixing chamber
- Drive:
 - hydraulic differential piston motor
 - self-priming
- Seals:
 - AF (for alkaline solutions, pH 7–14)
 - VF (acid, pH 1–7)
- Maximum intake height: 4 m

3

Areas of application:

- Disinfection, cleaning, hygiene, odour neutralisation, environmental industry, water treatment, food industry, horticulture, crop protection, pest control, fertilisation, pH/TH regulation, flocculation, car washes, metal processing, lubrication, oil, printing industry, car washes.

Easy adjustment of the dosing rate:

- The tips of the notch on the adjustment ring points to the corresponding value. The amount of concentrate fed is proportional to the volume of water flowing through the doser: e.g.: setting 1 % = 1 : 100 = 1 part concentrate + 100 parts water.

Operating principle:

- When connected to the water mains, the doser uses the water pressure as its driving force, which causes it to suck concentrate in and dose it at the required concentration and mix it with the drive water. The stock solution made in this way flows through the doser. The amount of product dosed is proportional to the water flow rate, even if there are fluctuations in the flow rate or water pressure.

Scope of supply:

- DOSA *Tec* D25 Proportional doser, inclusive suction hose with filter, wall mount

Additional technical data:

Equipment:	Realisation:
Feed	Internal feed in discharge mixing chamber
Stroke	0.45 l (1 cycle = 2 clicks)
Dosing piston	Single-acting 10%, double acting from 10% upwards
Intake valve	Spring-loaded cone valve with seal
Ventilation:	Built-in ventilation
Max. viscosity of concentrate	200–800 cPs at 20 °C, from 400 cPs and > 2 % V-kit recommended for dosage
Intake	Intake filter with ballast
Connections:	¾ M : BSP – NPT – Ø 20 x 27 mm
Integrated anti-siphon system	No

3

Ordering data:

Type:	Dosing rate: %	Ratio:	Waterflow rate: l/h	Pressure: bar	Hose connection: mm	Housing:	Item number:		
D25RE09 AF (seals for alkaline media)	0.1–0.9	1 : 1000 to 1 : 112	10–2500	0.3–6.0	6 x 9	Polyacetal	4056350		
D25RE09 VF (seals for acidic media)							4056150		
D25RE2 AF (seals for alkaline media)	0.2–2.0	1 : 500 to 1 : 50					4056355		
D25RE2 VF (seals for acidic media)							4056155		
D25RE/IE2 AF (seals for alkaline media)							4056360		
D25RE/IE2 VF (seals for acidic media)							4056160		
D25RE4 AF (seals for alkaline media)					0.5–4.0		1 : 200 ... 01 : 25	4056365	
D25RE4 VF (seals for acidic media)								4056165	
D25RE5 AF (seals for alkaline media)	1.0–5.0	1:100 to 01:20						4056370	
D25RE5 VF (seals for acidic media)								4056170	
D25RE/IE5 AF (seals for alkaline media)								4056375	
D25RE/IE5 VF (seals for acidic media)								4056175	
D25RE10 AF (seals for alkaline media)			3.0–10.0	1 : 33 to 1 : 10	4056380				
D25RE10 VF (seals for acidic media)					4056180				
D25RE/IE10 AF (seals for alkaline media)	4056385								
D25RE/IE10 VF (seals for acidic media)	4056185								
D25RE09 AF (seals for alkaline media)	0.1–0.9	1 : 1000 to 1 : 112			10–2500	0.3–6.0	6 x 9	PVDF	4056390
D25RE09 VF (seals for acidic media)									4056190
D25RE2 AF (seals for alkaline media)	0.2–2.0	1 : 500 to 1 : 50	4056405						
D25RE2 VF (seals for acidic media)			4056205						
D25RE/IE2 AF (seals for alkaline media)			4056410						
D25RE/IE2 VF (seals for acidic media)			4056210						
D25RE4 AF (seals for alkaline media)			0.5–4.0	1 : 200 to 1 : 25			4056415		
D25RE4 VF (seals for acidic media)							4056215		
D25RE5 AF (seals for alkaline media)	1.0–5.0	1 : 100 to 1 : 20					4056420		
D25RE5 VF (seals for acidic media)							4056220		
D25RE/IE5 AF (seals for alkaline media)							4056425		
D25RE/IE5 VF (seals for acidic media)							4056225		
D25RE10 AF (seals for alkaline media)			3.0–10.0	1 : 33 to 1 : 10	4056430				
D25RE10 VF (seals for acidic media)					4056230				
D25RE/IE10 AF (seals for alkaline media)	4056435								
D25RE/IE10 VF (seals for acidic media)	4056235								
D25RE/IE10 AF (seals for inorganic acids)	0.1–0.9	1 : 1000 to 1 : 112			10–2500	0.3–6.0	6 x 9	PVDF A0 (Kalrez)	4056195
D25RE/IE10 VF (seals for inorganic acids)	0.2–2.0	1 : 500 to 1 : 50							4056200

/IE = with external injection

Options:

Type:		Item number:
Product intake hose V as viscous kit version.		
Type:	Hose connection:	9156040
D25RE2 ...	12 x 16 mm	
D25RE5 ... D25RE10 ...	20 x 27 mm	
An optional by-pass (BP) switch is available for series D25 and D3, which allows the intake system to be switched on/off.		9156045

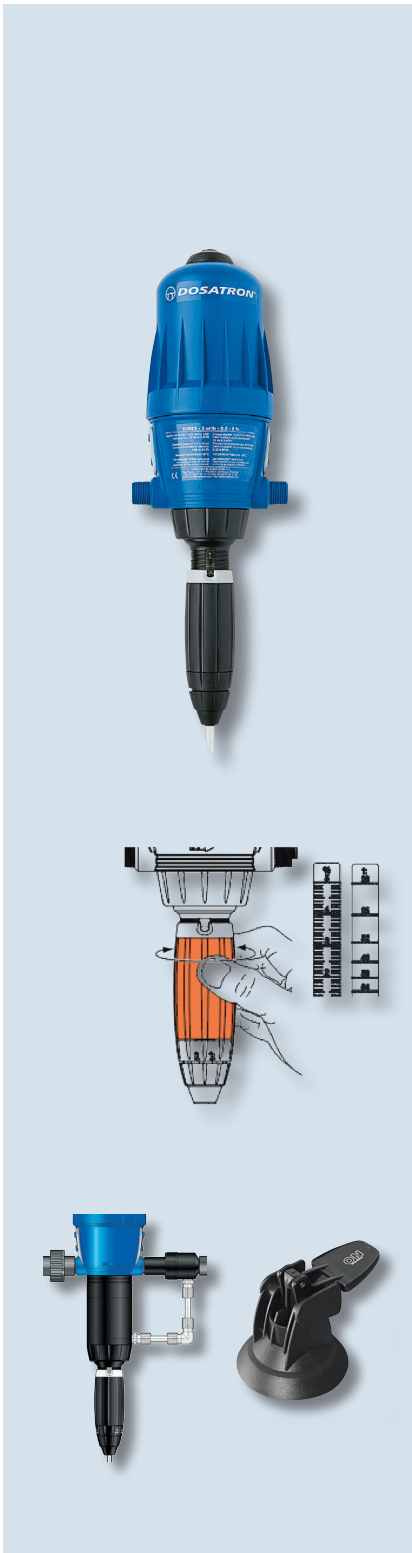
Accessories:

Type:	Item number:
½" pressure reducer male thread with pressure gauge	9156050
¾" water filter with Plexiglass container - Washable 80 micron filter cartridge	9156060
½" backflow preventer BA Micro DVGW tested (max.1000l/h)	9156070
½" backflow preventer BA Kompakt	9156080
½" stainless steel water-hammer-arrester	9156090

Recommendations:

- To maximise the service life of the doser, we recommend the following:
 - Install a filter (60 micron [300 mesh]) upstream of the doser if the water quality requires one
 - Change the dosing seals at least once a year
 - Rinse with clear water as often as possible, but at least when decommissioning
 - Adjust the doser with the pressure shut off
 - Install the necessary protective devices (flow limiters/pressure limiters and water hammer arresters etc.) in the pipeline system for protection against excess flow, excess pressure and pressure spikes.
 - Install dosers in a total by-pass system

Proportional dosing with external adjustment.



Product description:

- Dosing range: 0.03 – 25 %
- Pressure range: 0.3 – 6 bar, depending on the model
- Water flow rate: 10 – 3000 l/h
- Dosing feed rate: 0.003 – 750 l/h
- Dosing: proportional, e.g. a setting of 1 % (corresponds to a dosage of 1 : 100)
- Average dosage tolerance: ±10 %
- Reproducibility: ±3 % (API675)
- Pressure loss: 0.2 – 2.3 bar
- Maximum temperature of drive water: 40 °C
- Minimum temperature of drive water: 5 °C
- Integrated mixing chamber
- Drive:
 - hydraulic differential piston motor
 - self-priming
- Seals:
 - AF for alkaline solutions (pH 7 – 14),
 - VF acid (pH 1 – 7)
- Maximum intake height: 4 m

3

Areas of application:

- Disinfection, cleaning, hygiene, odour neutralisation, environmental industry, water treatment, food industry, horticulture, crop protection, pest control, fertilisation, pH/TH regulation, flocculation, car washes, metal processing, lubrication, oil, printing industry, car washes.

Easy adjustment of the dosing rate:

- The tips of the notch on the adjustment ring points to the corresponding value. The amount of concentrate fed is proportional to the volume of water flowing through the doser: e.g.: setting 1 % = 1 : 100 = 1 part concentrate + 100 parts water.

Operating principle:

- When connected to the water mains, the doser uses the water pressure as its driving force, which causes it to suck concentrate in and dose it at the required concentration and mix it with the drive water. The stock solution made in this way flows through the doser. The amount of product dosed is proportional to the water flow rate, even if there are fluctuations in the flow rate or water pressure.

Scope of supply:

- DOSA Tec D3 Proportional doser, inclusive suction hose with filter, wall mount

Additional technical data:

Equipment:	Realisation:
Feed	Internal feed in discharge mixing chamber
Stroke	0.53 l (1 cycle = 2 clicks)
Dosing piston	Single-acting 10%, double acting from 10% upwards
Intake valve	Spring-loaded cone valve with seal
Ventilation	Built-in ventilation
Max. viscosity of concentrate	200–800 cPs at 20 °C, from 400 cPs and > 2 % V-kit recommended for dosage
Intake	Intake filter with ballast
Connections	¾ M : BSP – NPT – Ø 20 x 27 mm
Integrated anti-siphon system	No

3

Ordering data:

Type:	Dosing rate: %	Ratio:	Waterflow rate: l/h	Pressure: bar	Hose connection: mm	Housing:	Item number:
D3RE3000 AF (seals for alkaline media)	0.03–0.3.0	1 : 3333 to 1 : 330	10–3000	0.3–6.0	4 x 6	PP	4056300
D3RE3000 VF (seals for acidic media)							4056100
D3RE2 AF (seals for alkaline media)	0.2–2.0	1 : 500 to 1 : 50	10–3000	0.3–6.0	8 x 12		4056305
D3RE2 VF (seals for acidic media)							4056105
D3RE5 AF (seals for alkaline media)	0.5–5.0	1 : 200 to 1 : 20	10–3000	0.3–6.0	12 x 16		4056310
D3RE5 VF (seals for acidic media)							4056110
D3RE10 AF (seals for alkaline media)	1.0–10.0	1 : 100 to 1 : 10	10–3000	0.5–6.0	16 x 22		4056315
D3RE10 VF (seals for acidic media)							4056115
D3RE/IE25 AF (seals for alkaline media)	5.0–25.0	1 : 20 to 1 : 4	10–2000	0.5–4.0	16 x 22		4056320
D3RE/IE25 VF (seals for acidic media)							4056120
D3RE3000 AF (seals for alkaline media)	0.03–0.3	1 : 3333 to 1 : 330	10–3000	0.3–6.0	4 x 6	PVDF	4056325
D3RE3000 VF (seals for acidic media)							4056125
D3RE2 AF (seals for alkaline media)	0.2–2.0	1 : 500 to 1 : 50	10–3000	0.3–6.0	8 x 12		4056330
D3RE2 VF (seals for acidic media)							4056130
D3RE5 AF (seals for alkaline media)	0.5–5.0	1 : 200 to 1 : 20	10–3000	0.3–6.0	12 x 16		4056335
D3RE5 VF (seals for acidic media)							4056135
D3RE10 AF (seals for alkaline media)	1.0–10.0	1 : 100 to 1 : 10	10–3000	0.5–6.0	16 x 22		4056340
D3RE10 VF (seals for acidic media)							4056140
D3RE/IE25 AF (seals for alkaline media)	5.0–25.0	1 : 20 to 1 : 4	10–2000	0.5–4.0	16 x 22		4056345
D3RE/IE25 VF (seals for acidic media)							4056145

/IE = with external injection

Options:

Type:	Item number:
Product intake hose as viscous kit version	9156040
D3RE5 ...	
D3RE10 ...	
D3RE25IE* ...	
An optional by-pass switch is available for series D25 and D3, which allows the intake system to be switched on/off	
	9156045

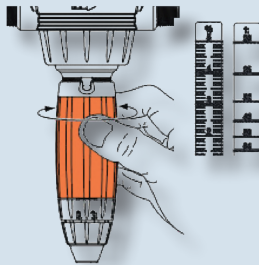
Accessories:

Type:	Item number:
½" pressure reducer male thread with pressure gauge	9156050
¾" water filter with Plexiglass container - Washable 80 micron filter cartridge	9156060
½" backflow preventer BA Micro DVGW tested (max.1000l/h)	9156070
½" backflow preventer BA Kompakt	9156080
½" stainless steel water-hammer-arrester	9156090

Recommendations:

- To maximise the service life of the doser, we recommend the following:
 - Install a filter (60 micron [300 mesh]) upstream of the doser if the water quality requires one
 - Change the dosing seals at least once a year
 - Rinse with clear water as often as possible, but at least when decommissioning
 - Adjust the doser with the pressure shut off
 - Install the necessary protective devices (flow limiters/pressure limiters and water hammer arresters etc.) in the pipeline system for protection against
 - excess flow, excess pressure and pressure spikes.
 - Install dosers in a total by-pass system

Proportional dosing with external adjustment



Product description:

- Dosing range: 0.03 – 10 %
- Pressure range: 0.3 – 6 bar, depending on the model
- Water flow rate: 100 – 3000 l/h
- Dosing feed rate: 0.003 – 300 l/h
- Dosing: proportional, e.g. a setting of 1 % (corresponds to a dosage of 1 : 100)
- Average dosage tolerance: ±10 %
- Reproducibility: ±3 % (API675)
- Pressure loss: 0.2 – 2.3 bar
- Maximum temperature of drive water: 70 °C
- Minimum temperature of drive water: 5 °C
- Integrated mixing chamber
- Drive:
 - hydraulic differential piston motor
 - self-priming
- Seals:
 - AF for alkaline solutions (pH 7 – 14)
 - VF acid (pH 1 – 7)
- Maximum intake height: 4 m

3

Areas of application:

- Disinfection, cleaning, hygiene, odour neutralisation, environmental industry, water treatment, food industry, horticulture, crop protection, pest control, fertilisation, pH/TH regulation, flocculation, car washes, metal processing, lubrication, oil, printing industry, car washes

Easy adjustment of the dosing rate:

- The tips of the notch on the adjustment ring points to the corresponding value. The amount of concentrate fed is proportional to the volume of water flowing through the doser: e.g.: setting 1 % = 1 : 100 = 1 part concentrate + 100 parts water.

Operating principle:

- When connected to the water mains, the doser uses the water pressure as its driving force, which causes it to suck concentrate in and dose it at the required concentration and mix it with the drive water. The stock solution made in this way flows through the doser. The amount of product dosed is proportional to the water flow rate, even if there are fluctuations in the flow rate or water pressure.

Scope of supply:

- DOSA Tec D3T Proportional doser, inclusive suction hose with filter, wall mount

Additional technical data:

Equipment:	Realisation:
Feed	Internal feed in discharge mixing chamber
Stroke	0.53 l (1 cycle = 2 clicks)
Dosing piston	Single-acting 10%
Intake valve	Spring-loaded cone valve with seal
Ventilation	Built-in ventilation
Max. viscosity of concentrate	200 – 800 cPs at 20 °C, from 400 cPs and > 2 % V-kit recommended for dosagen
Intake	Intake filter with ballast
Connections	¾ M : BSP – NPT – Ø 20 x 27 mm
Integrated anti-siphon system	No

3

Ordering data:

Type:	Dosing rate: %	Ratio:	Waterflow rate: l/h	Pressure: bar	Hose connection: mm	Housing:	Item number:
D3TRE3000 AF (seals for alkaline media)	0.03 – 0.3	1 : 3333 to 1 : 330	10 ... 3000	0,3 ... 6	4 x 6	PVDF	4056302
D3TRE3000 VF (seals for acidic media)							4056102
D3TRE5 AF (seals for alkaline media)	0.5 – 5	1 : 200 to 1 : 20	10 ... 3000	0,3 ... 6	12 x 16		4056311
D3TRE VF (seals for acidic media)							4056111
D3TRE AF (seals for alkaline media)	1 – 10	1 : 100 to 1 : 10	10 ... 3000	0,5 ... 6	16 x 22		4056316
D3TRE VF (Dichtungen für saure Medien)							4056116

Options:

Type:	Hose connection:	Item number:
Product intake hose as viscous kit version	20 x 27 mm	9156040
D3RE5 ...		
D3RE10 ...		
An optional by-pass switch is available for series D25 and D3, which allows the intake system to be switched on/off		9156045

Zubehör:

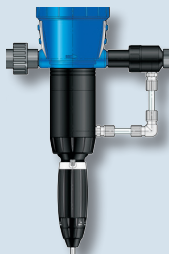
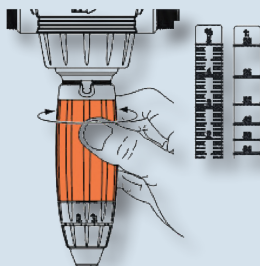
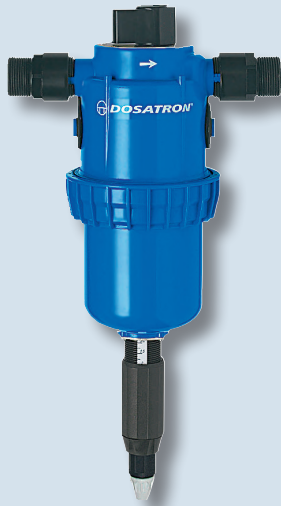
Typ:	Item number:
½" pressure reducer male thread with pressure gauge	9156050
¾" water filter with Plexiglass container - Washable 80 micron filter cartridge	9156060
½" backflow preventer BA Micro DVGW tested (max.1000l/h)	9156070
DVGW tested (max.1000l/h) 9156070	9156080
½" stainless steel water-hammer-arrester	9156090

Recommendations:

- To maximise the service life of the doser, we recommend the following:
 - Install a filter (60 micron [300 mesh]) upstream of the doser if the water quality requires one
 - Change the dosing seals at least once a year
 - Rinse with clear water as often as possible, but at least when decommissioning
 - Adjust the doser with the pressure shut off
 - Install the necessary protective devices (flow limiters/pressure limiters and water hammer arresters etc.) in the pipeline system for protection against
 - excess flow, excess pressure and pressure spikes.
 - Install dosers in a total by-pass system

Technische Änderungen und Druckfehler vorbehalten. Abbildungen können ggf. abweichen.
20.07.2023

Proportional dosing with external adjustment and integrated bypass.



Product description:

- Dosing range: 0.03–8 %
- Pressure range: 0.5–5 bar, depending on the model
- Water flow rate: 100 – 4500 l/h
- Dosing feed rate: 0.033– 360 l/h
- Dosing: proportional, e.g. a setting of 1 % (corresponds to a dosage of 1 : 100)
- Average dosage tolerance: ±10 %
- Reproducibility: ±3 % (API675)
- Pressure loss: 0.2D45RE82.3 bar
- Maximum temperature of drive water: 40 °C
- Minimum temperature of drive water: 5 °C
- Integrated mixing chamber
- Bypass switch for switching on and off the metering
- Drive:
 - hydraulic differential piston motor
 - self-priming
- Seals:
 - AF for alkaline solutions (pH 7 – 14)
 - VF acid (pH 1 – 7)
- Maximum intake height: 4 m

3

Areas of application:

- Disinfection, cleaning, hygiene, odour neutralisation, environmental industry, water treatment, food industry, horticulture, crop protection pest control, fertilisation, pH/TH regulation, flocculation, car washes, metal processing, lubrication, oil, printing industry, car washes.

Easy adjustment of the dosing rate:

- The tips of the notch on the adjustment ring points to the corresponding value. The amount of concentrate fed is proportional to the volume of water flowing through the doser: e.g.: setting 1 % = 1 : 100 = 1 part concentrate + 100 parts water.

Operating principle:

- When connected to the water mains, the doser uses the water pressure as its driving force, which causes it to suck concentrate in and dose it at the required concentration and mix it with the drive water. The stock solution made in this way flows through the doser. The amount of product dosed is proportional to the water flow rate, even if there are fluctuations in the flow rate or water pressure.

Scope of supply:

- DOSA Tec D45 Proportional doser, inclusive suction hose with filter, wall mount

Additional technical data:

Equipment:	Realisation:
Feed	Internal feed in discharge mixing chamber
Stroke	0.08 l (1 cycle = 2 clicks)
Dosing piston	Single-acting 10%, double acting from 10% upwards
Intake valve	Spring-loaded cone valve with seal
Ventilation	Built-in ventilation
Max. viscosity of concentrate	200 to 800 cPs at 20 °C, from 400 cPs and > 2 % V-kit recommended for dosage
Intake	Intake filter with ballast
Connections	1 ¼" M : BSP – NPT – Ø 33 x 42 mm
Integrated anti-siphon system	No

3

Ordering data:

Type:	Dosing rate: %	Ratio:	Waterflow rate: l/h	Pressure: bar	Hose connection: mm	Housing:	Item number:									
D45RE3000 AF (seals for alkaline media)	0.03–0.10	1 : 3333 to 1 : 1000	100 – 4500	0.5–5.0	6 x 9	PP	4056700									
D45RE3000 VF (seals for acidic media)							4056701									
D45RE15 AF (seals for alkaline media)	0.2–1.5	1 : 500 to 1 : 67			100 – 4500		0.5–5.0	12 x 16	PP	4056705						
D45RE15 VF (seals for acidic media)										4056706						
D45RE/15IE* AF (seals for alkaline media)										4056710						
D45RE/15IE* VF (seals for acidic media)										4056711						
D45RE3 AF (seals for alkaline media)	0.5–3	1 : 200 to 1 : 33						100 – 4500		0.5–5.0	12 x 16	PP	4056715			
D45RE3 VF (seals for acidic media)													4056716			
D45RE/3IE* AF (seals for alkaline media)													4056720			
D45RE/3IE* VF (seals for acidic media)													4056721			
D45RE8 AF (seals for alkaline media)	3–8	1 : 33 to 1 : 13									100 – 4500		0.5–5.0	20 x 27	PP	4056725
D45RE8 VF (seals for acidic media)																4056726
D45RE/8IE* AF (seals for alkaline media)			4056730													
D45RE/8IE* VF (seals for acidic media)			4056731													
D45RE3000 AF (seals for alkaline media)	0.03–0.1	1 : 3333 to 1 : 1000	100 – 4500	0.5–5.0	6 x 9	PVDF	4056740									
D45RE3000 VF (seals for acidic media)							4056741									
D45RE15 AF (seals for alkaline media)	0.2–1.5	1 : 500 to 1 : 67			100 – 4500		0.5–5.0		12 x 16					PVDF		4056745
D45RE15 VF (seals for acidic media)																4056746
D45RE/15IE* AF (seals for alkaline media)								4056750								
D45RE/15IE* VF (seals for acidic media)								4056751								
D45RE3 AF (seals for alkaline media)	0.5–3.0	1 : 200 to 1 : 33						100 – 4500	0.5–5.0	12 x 16		PVDF				4056755
D45RE3 VF (seals for acidic media)																4056756
D45RE/3IE* AF (seals for alkaline media)											4056760					
D45RE/3IE* VF (seals for acidic media)											4056761					
D45RE8 AF (seals for alkaline media)	3.0–8.0	1 : 33 to 1 : 13								100 – 4500	0.5–5.0		20 x 27		PVDF	4056765
D45RE8 VF (seals for acidic media)																4056766
D45RE/8IE* AF (seals for alkaline media)			4056770													
D45RE/8IE* VF (seals for acidic media)			4056771													

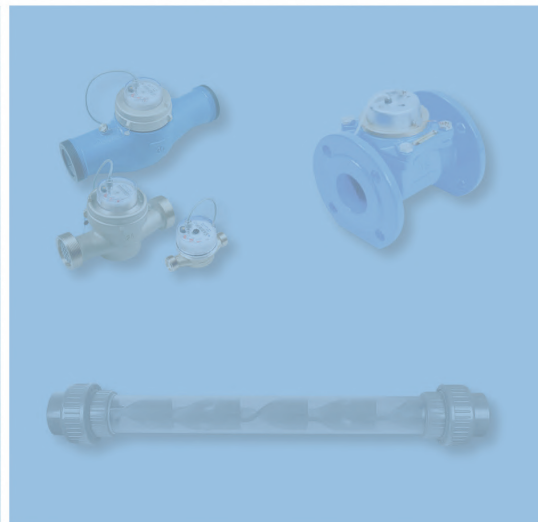
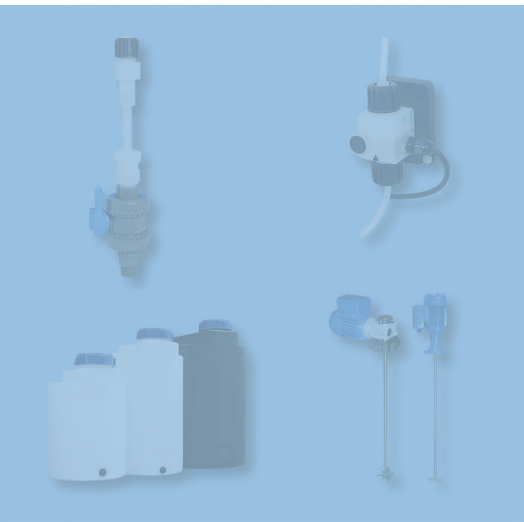
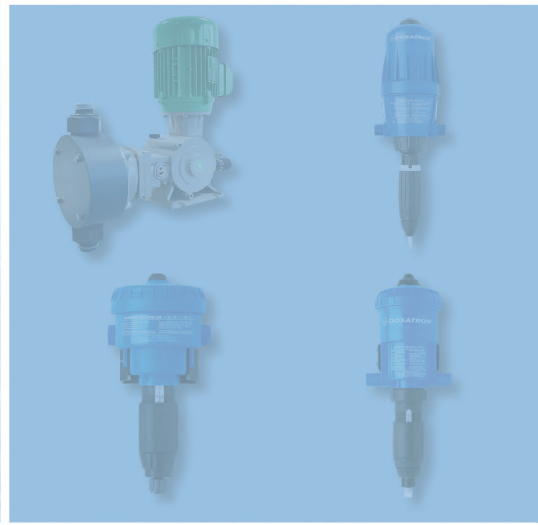
(*IE = with external injection)

Accessories:

Type:	Item number:
½" pressure reducer male thread with pressure gauge	9156050
¾" water filter with Plexiglass container - Washable 80 micron filter cartridge	9156060
½" backflow preventer BA Micro DVGW tested (max.1000l/h)	9156070
½" backflow preventer BA Kompakt	9156080
½" stainless steel water-hammer-arrester	9156090

Recommendations:

- To maximise the service life of the doser, we recommend the following:
 - Install a filter (60 micron [300 mesh]) upstream of the doser if the water quality requires one
 - Change the dosing seals at least once a year
 - Rinse with clear water as often as possible, but at least when decommissioning
 - Adjust the doser with the pressure shut off
 - Install the necessary protective devices (flow limiters/pressure limiters and water hammer arresters etc.) in the pipeline system for protection against
 - excess flow, excess pressure and pressure spikes.
 - Install dosers in a total by-pass system



3. Dosing technology

1.6. Metering stations

1.6.1.

DOSA*Tec* Dosing stations

Pre-assembled complete systems ready for connection.

Product description:

- **DOSATRONIC**® dosing stations are pre-assembled complete systems ready for connection
- The systems can be customised to meet your requirements, either as a one-off unit, a short run or serial production run
- High quality dosing stations for almost any dosing task
- The dosing pump with the appropriate O-rings (Viton® or EPDM), and the hose connections are selected according to the dosing medium (please tell us the exact dosing medium you will use the station for).
- Tanks: 60, 100, 200, 250, 500, 1000 l (special sizes possible on request)

3

Areas of application:

- The complete systems cover most standard dosing requirements.
- With special configurations, individually tailored to meet your requirements, we can also cater for complex and demanding tasks.

Scope of supply:

- Configuration according to your requirements



1.6.2.

DOSADes Mobile-R Mobile disinfection and dosing system

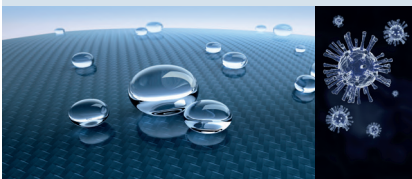


Mobile, compact high-performance disinfection and dosing system for volumetric and mechanical proportional dosing. *No power connection required! Any standard water supply can be used.* Ideal for surface disinfection, surface cleaning, fertilisation, washing systems, etc.

Product description:

- Proportional dosers D3RE2 VF PVDF or D3RE5 VF PVDF
- Dosing range: 0.2–2% or 0.5–5%
- Water flow rate: 10–3,000 l/h
- Pressure range: 0.3–6 bar
- Suction hose with foot valve and filter
- Stainless steel hand truck with PE console/mounting plate (white)
- Water filter (300 microns [50 mesh])
- Pressure regulator 3/4" with pressure gauge
- Non-return valve 3/4" FT
- 25 m spraying hose
- Stainless steel spray lance
- Dimensions (approx. 60 x 56 x 130 cm, W x H x D)

3



Areas of application:

- Disinfection, cleaning, hygiene, odour neutralisation, environmental industry, water treatment, food industry, horticulture, pest control, fertilisation, pH/TH regulation, flocculation, car washes, metal processing, lubrication, oil, printing industry, car washes.



Operating principle:

- When connected to the water mains, the doser uses the water pressure as its driving force,
- which causes it to draw concentrate in, dose it at the required concentration and mix it with the drive water. The stock solution made in this way flows through the doser. The amount of product dosed is proportional to the water flow rate, even if there are fluctuations in the flow rate or water pressure.

Scope of supply:

- **DOSATec Mobile-R**, Stainless steel hand truck with PE console/mounting plate, water filter, pressure regulator with pressure gauge, 3/4" FT check valve, spray attachment, stainless steel spray lance and proportional doser.

Multi-purpose:

- Deep-cleaning/disinfection of surfaces
- Suitable for fertilisation and pest control
- Regulation of the pH of water
- Even lubrication, flocculation and many more applications possible

Ordering data:

Model:	Dosing rate: %	Water flow rate: l/h	Hose connection: mm	Housing:	Item No:
Mobile-R-RE2	0.2 – 2.0	10 – 3.000	8 x 12	PVDF	3988300
Mobile-R-RE5	0.5 – 5.0	10 – 3.000	12 x 16		3988305

More proportional dosers available on request

1.6.3.

DOSATec Mobile-W mobile disinfection and dosing system

Station version: Mobile, compact high-performance disinfection and dosing system for volumetric and mechanical proportional dosing. *No power connection required! Any standard water supply can be used.* Ideal for surface disinfection, surface cleaning, fertilisation, washing systems, etc.



Multi-purpose:

- Deep-cleaning/disinfection of surfaces
- Suitable for fertilisation and pest control
- Regulation of the pH of water
- Even lubrication, flocculation and many more applications possible

Product description:

- Proportional dosers D3RE2 VF PVDF or D3RE5 VF PVDF
- Dosing range: 0.2–2% or 0.5–5%
- Water flow rate: 10–3,000 l/h
- Pressure range: 0.3–6 bar
- Suction hose with foot valve and filter
- Designed as a mobile station (see left)
- Water filter (300 microns [50 mesh])
- Pressure regulator 3/4" with pressure gauge
- Non-return valve 3/4" FT
- 25 m spraying hose
- Stainless steel spray lance
- Dimensions (approx. 77* x 180 x 60 cm, W x H x D, *incl. hose holder, removable)

Areas of application:

- Disinfection, cleaning, hygiene, odour neutralisation, environmental industry, water treatment, food industry, horticulture, pest control, fertilisation, pH/TH regulation, flocculation, car washes, metal processing, lubrication, oil, printing industry, car washes.

Operating principle:

- When connected to the water mains, the doser uses the water pressure as its driving force,
- which causes it to draw concentrate in, dose it at the required concentration and mix it with the drive water. The stock solution made in this way flows through the doser. The amount of product dosed is proportional to the water flow rate, even if there are fluctuations in the flow rate or water pressure.

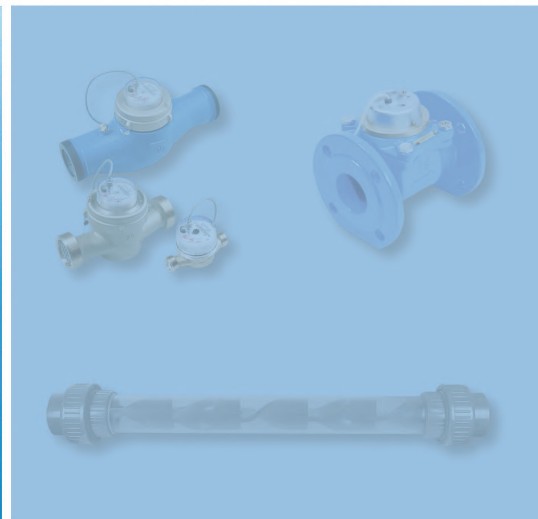
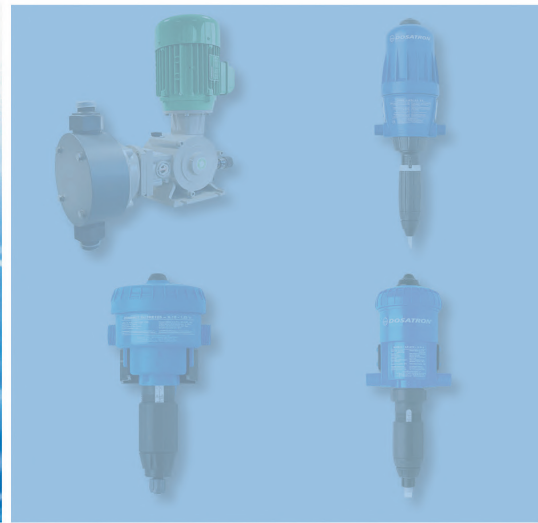
Scope of supply:

- **DOSATec Mobile-W**, mobile station, water filter, pressure regulator with pressure gauge, 3/4" FT check valve, spray attachment, stainless steel spray lance and proportional doser.

Ordering data:

Model:	Dosing rate: %	Water flow rate: l/h	Hose connection: mm	Housing:	Item No:
Mobile-W-RE2	0.2–2.0	10–3,000	8 x 12	PVDF	3988400
Mobile-W-RE5	0.5–5.0	10–3,000	12 x 16		3988405

More proportional dosers available on request



3. Dosing technology

1.7. Accessoires for Metring pumps

1.7.1.

DOSA Tec Injection valve IVN

Solenoid diaphragm dosing pump for exact dosing of liquid media.



Product description:

- Injection valve consisting of:
 - Body made of PVDF or PP
(Union nut, clamping ring and hose connection)
- Ceramic valve ball
- Valve spring made of Hastelloy® C 276
- O-rings/seals made of Viton® or EPDM
- Opening pressure 0.3 bar,
(other pressures available on request)

3

Areas of application:

- Dosing medium is fed into a system under pressure through the injection valve.

Scope of supply:

- **DOSA Tec IVN** injection valve with the above parts

Ordering data:

Type: (Viton®, EPDM = seals)	Valve size: inches	Connection: inches	Hose connection: mm	Corpus:	Item number:	
IVN 1/2 4 x 6 PVDF/Viton®	1/2	1/2	4 x 6	PVDF	9013820	
IVN 1/2 4 x 6 PVDF/EPDM			4 x 8		9013821	
IVN 1/2 4 x 8 PVDF/Viton®			6 x 8		9013822	
IVN 1/2 4 x 8 PVDF/EPDM			8 x 10		9013823	
IVN 1/2 6 x 8 PVDF/Viton®					9013824	
IVN 1/2 6 x 8 PVDF/EPDM			9013825			
IVN 1/2 8 x 10 PVDF/Viton®		3/4	3/4		8 x 12	9013826
IVN 1/2 8 x 10 PVDF/EPDM						9013827
IVN 3/4 8 x 10 PVDF/Viton®					12 x 18	9013934
IVN 3/4 8 x 10 PVDF/EPDM						9013935
IVN 1/2 8 x 12 PVDF/Viton®					13 x 16	9013828
IVN 1/2 8 x 12 PVDF/EPDM						9013829
IVN 3/4 12 x 18 PVDF/Viton®	3/4	3/4	13 x 16	9013936		
IVN 3/4 12 x 18 PVDF/EPDM				9013937		
IVN 3/4 13 x 16 PVDF/Viton®				9013932		
IVN 3/4 13 x 16 PVDF/EPDM				9013933		

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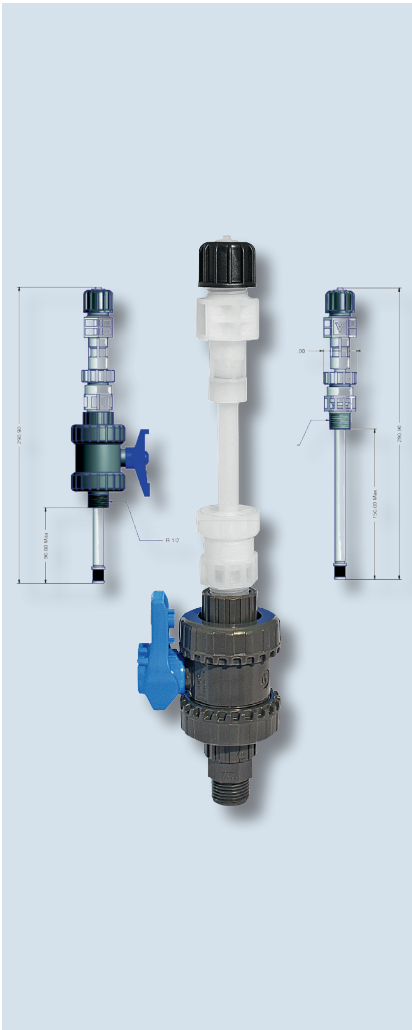
Ordering data:

Type: (Viton®, EPDM = seals)	Valve size: inches	Connection: inches	Hose connection: mm	Corpus:	Item number:	
IVN ½ 4 x 6 PP/Viton®	½	½	4 x 6	PP	9013005	
IVN ½ 4 x 6 PP/EPDM			4 x 8		9013006	
IVN ½ 4 x 8 PP/Viton®			6 x 8		9013030	
IVN ½ 4 x 8 PP/EPDM			8 x 10		9013031	
IVN ½ 6 x 8 PP/Viton®			¾		8 x 12	9013009
IVN ½ 6 x 8 PP/EPDM					12 x 18	9013010
IVN ½ 8 x 10 PP/Viton®					13 x 16	9013034
IVN ½ 8 x 10 PP/EPDM		¾	¾		12 x 18	9013033
IVN ¾ 8 x 10 PP/Viton®						9013011
IVN ¾ 8 x 10 PP/EPDM						9013021
IVN ½ 8 x 12 PP/Viton®						9013013
IVN ½ 8 x 12 PP/EPDM						9013014
IVN ¾ 12 x 18 PP/Viton®						9013023
IVN ¾ 12 x 18 PP/EPDM		9013026				
IVN ¾ 13 x 16 PP/Viton®	¾	¾	13 x 16	9013019		
IVN ¾ 13 x 16 PP/EPDM				9013021		

1.7.2.

DOSA Tec Injection lance LINI

Injection lances for feeding dosing media into pressurised systems.



Product description:

- Variable insertion length, max. 150 mm
- maximum dosage approx. 20 l/h
- optionally available with or without a shut-off ball valve made of PVC or PVDF
- Material for union nut, clamping ring, hose connection and injection lance PVDF or PP
 - PVDF 25 °C/16 bar, 140 °C/2 bar
 - PP 25 °C/16 bar, 60 °C/3 bar
- Ceramic valve ball
- Valve spring made of Hastelloy® C 276
- O-rings/seals made of Viton® or EPDM
- Threaded connection ½" (male thread)
- Total length: 290.9 mm
- Immersion lengths:
 - without shut-off ball valve: max.150 mm
 - with shut-off ball valve: max. 90 mm

Areas of application:

- Injection lances are fittings which are used for feeding dosing media into systems under pressure.
- The construction method enables maintenance and cleaning of the lance to be carried out even under pressure.

Scope of supply:

- **DOSA Tec LINI** injection lance with the above components and your selection criteria

Ordering data:

Type: (Please specify the hose connection when ordering, e.g. 4 x 6 mm)	Connection: inches (male thread)	Hose connection: mm	Corpus:	Seals:	Item number:
LINI-V PVDF/Viton®	½	4 x 6 4 x 8 6 x 8 8 x 10 8 x 12	PVDF	Viton®	9013041
LINI-R PVDF/Viton® with PVC ball valve				Viton®	9013043
LINI-E PVDF/EPDM				EPDM	9013042
LINI-R PVDF/EPDM with PVC ball valve				EPDM	9013044
LINI-V PP/Viton®			PP	Viton®	9013045
LINI-E PP/Viton® with PVC ball valve				Viton®	9013047
LINI-E PP/EPDM				EPDM	9013046
LINI-E PP/EPDM with PVC ball valve				EPDM	9013048

Options:

Type:	Item number:
Extension: 5 cm	9013085
Extension: 10 cm	9013086
Extension: 15 cm	9013087

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Subject to technical modifications and printing errors. Images may vary slightly from actual product.
16.08.2017

1.7.3.

DOSA Tec Foot valve **FV Axial** optionally available with a level switch

Foot valve with axially mounted level switch.



Product description:

- Body made of PVDF or PP
- Union nut, clamping ring and hose connection made of PVDF
- Ceramic valve ball
- O-rings/seals made of Viton® or EPDM
- Strainer and weight
- Axially mounted level switch can be operated as a:
 - normally open (N.O.)
 - or normally closed contact (N.C.)

Areas of application:

- As a non-return valve with normally open or normally closed contact, optionally available with a level switch.

Scope of supply:

- DOSA Tec FV Axial foot valve, 2 m connection cable with BNC plug

Ordering data:

Type: (Viton®, EPDM = seals)	Hose connection: mm	Valve size: inches	Level switch as a:	Body:	Item number:		
FV Axial 4 x 6 Viton®	4 x 6	½	Normally open contact (N.O.)	PVDF	9013540		
FV Axial 4 x 6 EPDM					9013541		
FV Axial 4 x 8 Viton®	4 x 8				9013542		
FV Axial 4 x 8 EPDM					9013543		
FV Axial 6 x 8 Viton®	6 x 8				9013544		
FV Axial 6 x 8 EPDM					9013545		
FV Axial 8 x 10 Viton®	8 x 10				9013546		
FV Axial 8 x 10 EPDM					9013547		
FV Axial 8 x 12 Viton®	8 x 12				9013548		
FV Axial 8 x 12 EPDM					9013549		
FV Axial 4 x 6 Viton®	4 x 6				Normally closed contact (N.C.)	PVDF	9013550
FV Axial 4 x 6 EPDM							9013551
FV Axial 4 x 8 Viton®	4 x 8		9013552				
FV Axial 4 x 8 EPDM			9013553				
FV Axial 6 x 8 Viton®	6 x 8		9013554				
FV Axial 6 x 8 EPDM			9013555				
FV Axial 8 x 10 Viton®	8 x 10		9013556				
FV Axial 8 x 10 EPDM			9013557				
FV Axial 8 x 12 Viton®	8 x 12		9013558				
FV Axial 8 x 12 EPDM			9013559				
FV Axial 4 x 6 Viton®	4 x 6			PP			8813300
FV Axial 4 x 6 EPDM							8813301
FV Axial 4 x 8 Viton®	6 x 8				8813305		
FV Axial 4 x 8 EPDM					8813306		
FV Axial 6 x 8 Viton®	8 x 12	8813310					
FV Axial 6 x 8 EPDM		8813311					

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16.08.2016

1.7.4.

DOSA Tec Suction lance SL 4

Suction lance with lateral hose connection, volumetric delivery: up to 20 l/h.



Product description:

- Corpus: PVC
- O-rings/seals made of Viton® or EPDM
- Volumetric delivery: up to 20 l/h
- Hose connection: lateral
- With one or two outlets
- 1 ½" connection for recirculation/venting (4 x 6 mm)
- Immersion depth adjustable
- Level switch with connection cable (2 m) and BNC plug, with 2 cores as an option (please indicate when ordering if a cable without a plug is required)
- Second level switch (standard spacing 10 cm, other spacings possible on request)
- Hose connection: 4 x 6 mm, 4 x 8 mm
- Distance between switching contact and foot: 45 mm

Areas of application:

- Installation in a dosing tank with screw lid or in the screw lid for an original delivery container.

Scope of supply:

- **DOSA Tec SL 4** suction lance, 2 m connection cable with BNC plug (standard) or, optionally, without a plug (2-core, please indicate when ordering)

Ordering data:

Type: (Viton®, EPDM = seals)	Hose connection: mm	Outlet: number	Level: number	Corpus:	Item number:
SL4, L = 40 cm Viton®	4 x 6	1	1	PVC	4413400
SL4, L = 40 cm EPDM					4413401
SL4, L = 63 cm Viton®					4413405
SL4, L = 63 cm EPDM					4413406
SL4, L = 75 cm Viton®					4413410
SL4, L = 75 cm EPDM					4413411
SL4, L = 85 cm Viton®					4413415
SL4, L = 85 cm EPDM					4413416
SL4, L = 108 cm Viton®					4413420
SL4, L = 108 cm EPDM					4413421
SL4, L = 122 cm Viton®					4413425
SL4, L = 122 cm EPDM					4413426
SL4, L = 40 cm Viton®	4 x 8	1	1		4413430
SL4, L = 40 cm EPDM					4413431
SL4, L = 63 cm Viton®					4413435
SL4, L = 63 cm EPDM					4413436
SL4, L = 75 cm Viton®					4413440
SL4, L = 75 cm EPDM					4413441
SL4, L = 85 cm Viton®					4413445
SL4, L = 85 cm EPDM					4413446
SL4, L = 108 cm Viton®					4413450
SL4, L = 108 cm EPDM					4413451
SL4, L = 122 cm Viton®					4413455
SL4, L = 122 cm EPDM					4413456

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Ordering data:

Type: (Viton®, EPDM = seals)	Hose connection: mm	Outlet: number	Level: number	Corpus	Item number:
SL4, L = 40 cm Viton®	4 x 6	1	2	PVC	4413460
SL4, L = 40 cm EPDM					4413461
SL4, L = 63 cm Viton®					4413465
SL4, L = 63 cm EPDM					4413466
SL4, L = 75 cm Viton®					4413470
SL4, L = 75 cm EPDM					4413471
SL4, L = 85 cm Viton®					4413475
SL4, L = 85 cm EPDM					4413476
SL4, L = 108 cm Viton®					4413480
SL4, L = 108 cm EPDM					4413481
SL4, L = 122 cm Viton®					4413485
SL4, L = 122 cm EPDM					4413486
SL4, L = 40 cm Viton®	4 x 8	1	2	PVC	4413490
SL4, L = 40 cm EPDM					4413491
SL4, L = 63 cm Viton®					4413495
SL4, L = 63 cm EPDM					4413496
SL4, L = 75 cm Viton®					4413500
SL4, L = 75 cm EPDM					4413501
SL4, L = 85 cm Viton®					4413505
SL4, L = 85 cm EPDM					4413506
SL4, L = 108 cm Viton®					4413510
SL4, L = 108 cm EPDM					4413511
SL4, L = 122 cm Viton®					4413515
SL4, L = 122 cm EPDM					4413516
SL4, L = 40 cm Viton®	4 x 6	2	1	PVC	4413520
SL4, L = 40 cm EPDM					4413521
SL4, L = 63 cm Viton®					4413525
SL4, L = 63 cm EPDM					4413526
SL4, L = 75 cm Viton®					4413530
SL4, L = 75 cm EPDM					4413531
SL4, L = 85 cm Viton®					4413535
SL4, L = 85 cm EPDM					4413536
SL4, L = 108 cm Viton®					4413540
SL4, L = 108 cm EPDM					4413541
SL4, L = 122 cm Viton®					4413545
SL4, L = 122 cm EPDM					4413546
SL4, L = 40 cm Viton®	4 x 8	2	1	PVC	4413550
SL4, L = 40 cm EPDM					4413551
SL4, L = 63 cm Viton®					4413555
SL4, L = 63 cm EPDM					4413556
SL4, L = 75 cm Viton®					4413560
SL4, L = 75 cm EPDM					4413561
SL4, L = 85 cm Viton®					4413565
SL4, L = 85 cm EPDM					4413566
SL4, L = 108 cm Viton®					4413570
SL4, L = 108 cm EPDM					4413571
SL4, L = 122 cm Viton®					4413575
SL4, L = 122 cm EPDM					4413576
SL4, L = 40 cm Viton®	4 x 6	2	2	PVC	4413590
SL4, L = 40 cm EPDM					4413591
SL4, L = 63 cm Viton®					4413600
SL4, L = 63 cm EPDM					4413601
SL4, L = 75 cm Viton®					4413605
SL4, L = 75 cm EPDM					4413606

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27.03.2019

Ordering data:

Type: (Viton®, EPDM = seals)	Hose connection: mm	Outlet: number	Level: number	Corpus:	Item number:
SL4, L = 85 cm Viton®	4 x 6	2	2	PVC	4413610
SL4, L = 85 cm EPDM					4413611
SL4, L = 108 cm Viton®					4413615
SL4, L = 108 cm EPDM					4413616
SL4, L = 122 cm Viton®					4413620
SL4, L = 122 cm EPDM					4413621
SL4, L = 40 cm Viton®	4 x 8	2	2	PVC	4413630
SL4, L = 40 cm EPDM					4413631
SL4, L = 63 cm Viton®					4413635
SL4, L = 63 cm EPDM					4413636
SL4, L = 75 cm Viton®					4413640
SL4, L = 75 cm EPDM					4413641
SL4, L = 85 cm Viton®					4413645
SL4, L = 85 cm EPDM					4413646
SL4, L = 108 cm Viton®					4413650
SL4, L = 108 cm EPDM					4413651
SL4, L = 122 cm Viton®					4413655
SL4, L = 122 cm EPDM					4413656

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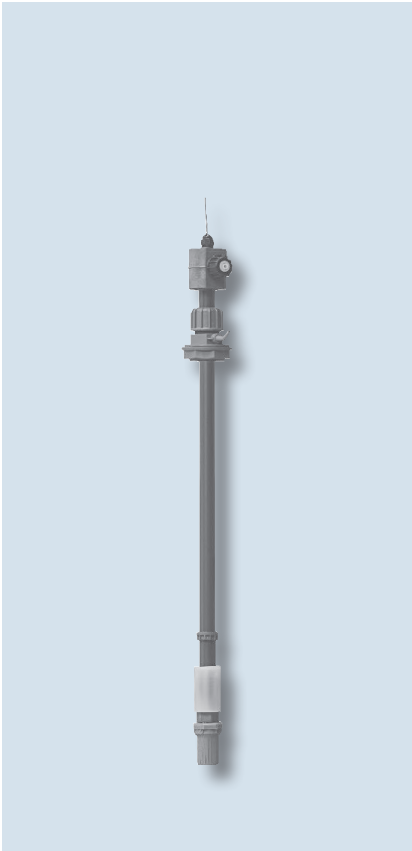
Options:

Type:	Item number:
Please indicate when ordering if a cable without a plug (2-core) is required	Please specify
Return port for SL4 and SL5 + filters in blue	9013524
Return port for SL4 and SL5 + filters in red	9013520
Return connection with screw cap C51 or C61	9013526

1.7.5.

DOSA Tec Suction lance SL 5

Suction lance with lateral hose connection, volumetric delivery: 20 l/h and above.



Product description:

- Corpus: PVC
- O-Rings made of Viton® or EPDM
- Volumetric delivery: 20 l/h and above
- Hose connection: lateral
- With one or two outlets
- 1 ½" connection for recirculation/venting (4 x 6 mm)
- Immersion depth adjustable
- Level switch with connection cable (2 m) and BNC plug, with 2 cores as an option (please indicate when ordering if a cable without a plug is required)
- Hose connection: 4 x 6, 4 x 8, 6 x 8, 8 x 10, 8 x 12, 12 x 18, 13 x 16 mm
- Distance between switching contact and foot: 45 mm

Areas of application:

- Installation in a dosing tank with screw lid or in the screw lid for an original delivery container.

Scope of supply:

- **DOSA Tec SL 5** suction lance, 2 m connection cable with BNC plug (standard) or optionally, without a plug (2-core, please indicate when ordering).

Ordering data:

Type: (Viton®, EPDM = seals)	Hose connection: mm	Outlet: number	Corpus:	Item number:
SL5, L = 40 cm Viton®	4 x 6	1	PVC	4513100
SL5, L = 40 cm EPDM				4513101
SL5, L = 63 cm Viton®				4513105
SL5, L = 63 cm EPDM				4513106
SL5, L = 75 cm Viton®				4513110
SL5, L = 75 cm EPDM				4513111
SL5, L = 85 cm Viton®				4513115
SL5, L = 85 cm EPDM				4513116
SL5, L = 108 cm Viton®				4513120
SL5, L = 108 cm EPDM				4513121
SL5, L = 122 cm Viton®				4513125
SL5, L = 122 cm EPDM				4513126
SL5, L = 40 cm Viton®	4 x 8	1	PVC	4513130
SL5, L = 40 cm EPDM				4513131
SL5, L = 63 cm Viton®				4513135
SL5, L = 63 cm EPDM				4513136
SL5, L = 75 cm Viton®				4513140
SL5, L = 75 cm EPDM				4513141
SL5, L = 85 cm Viton®				4513145
SL5, L = 85 cm EPDM				4513146
SL5, L = 108 cm Viton®				4513150
SL5, L = 108 cm EPDM				4513151
SL5, L = 122 cm Viton®				4513155
SL5, L = 122 cm EPDM				4513156

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Ordering data:

Type: (Viton®, EPDM = seals)	Hose connection: mm	Outlet: number	Corpus:	Item number:
SL5, L = 40 cm Viton®	6 x 8	1	PVC	4513160
SL5, L = 40 cm EPDM				4513161
SL5, L = 63 cm Viton®				4513165
SL5, L = 63 cm EPDM				4513166
SL5, L = 75 cm Viton®				4513170
SL5, L = 75 cm EPDM				4513171
SL5, L = 85 cm Viton®				4513175
SL5, L = 85 cm EPDM				4513176
SL5, L = 108 cm Viton®				4513180
SL5, L = 108 cm EPDM				4513181
SL5, L = 122 cm Viton®				4513185
SL5, L = 122 cm EPDM				4513186
SL5, L = 40 cm Viton®	8 x 10	1	PVC	4513190
SL5, L = 40 cm EPDM				4513191
SL5, L = 63 cm Viton®				4513195
SL5, L = 63 cm EPDM				4513196
SL5, L = 75 cm Viton®				4513200
SL5, L = 75 cm EPDM				4513201
SL5, L = 85 cm Viton®				4513205
SL5, L = 85 cm EPDM				4513206
SL5, L = 108 cm Viton®				4513210
SL5, L = 108 cm EPDM				4513211
SL5, L = 122 cm Viton®				4513215
SL5, L = 122 cm EPDM				4513216
SL5, L = 40 cm Viton®	8 x 12	1	PVC	4513220
SL5, L = 40 cm EPDM				4513221
SL5, L = 63 cm Viton®				4513225
SL5, L = 63 cm EPDM				4513226
SL5, L = 75 cm Viton®				4513230
SL5, L = 75 cm EPDM				4513231
SL5, L = 85 cm Viton®				4513235
SL5, L = 85 cm EPDM				4513236
SL5, L = 108 cm Viton®				4513240
SL5, L = 108 cm EPDM				4513241
SL5, L = 122 cm Viton®				4513245
SL5, L = 122 cm EPDM				4513246
SL5, L = 40 cm Viton®	12 x 18	1	PVC	4513250
SL5, L = 40 cm EPDM				4513251
SL5, L = 63 cm Viton®				4513255
SL5, L = 63 cm EPDM				4513256
SL5, L = 75 cm Viton®				4513260
SL5, L = 75 cm EPDM				4513261
SL5, L = 85 cm Viton®				4513265
SL5, L = 85 cm EPDM				4513266
SL5, L = 108 cm Viton®				4513270
SL5, L = 108 cm EPDM				4513271
SL5, L = 122 cm Viton®				4513275
SL5, L = 122 cm EPDM				4513276
SL5, L = 40 cm Viton®	13 x 16	1	PVC	4513280
SL5, L = 40 cm EPDM				4513281
SL5, L = 63 cm Viton®				4513285
SL5, L = 63 cm EPDM				4513286
SL5, L = 75 cm Viton®				4513290
SL5, L = 75 cm EPDM				4513291

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Ordering data:

Type: (Viton®, EPDM = seals)	Hose connection: mm	Outlet: number	Corpus:	Item number:			
SL5, L = 85 cm Viton®	13 x 16	1	PVC	4513295			
SL5, L = 85 cm EPDM				4513296			
SL5, L = 108 cm Viton®				4513300			
SL5, L = 108 cm EPDM				4513301			
SL5, L = 122 cm Viton®				4513305			
SL5, L = 122 cm EPDM				4513306			
SL5, L = 40 cm Viton®	4 x 6	2	PVC	4513400			
SL5, L = 40 cm EPDM				4513401			
SL5, L = 63 cm Viton®				4513405			
SL5, L = 63 cm EPDM				4513406			
SL5, L = 75 cm Viton®				4513410			
SL5, L = 75 cm EPDM				4513411			
SL5, L = 85 cm Viton®				4513415			
SL5, L = 85 cm EPDM				4513416			
SL5, L = 108 cm Viton®				4513420			
SL5, L = 108 cm EPDM				4513421			
SL5, L = 122 cm Viton®				4513425			
SL5, L = 122 cm EPDM				4513426			
SL5, L = 40 cm Viton®				4 x 8	2	PVC	4513430
SL5, L = 40 cm EPDM							4513431
SL5, L = 63 cm Viton®	4513435						
SL5, L = 63 cm EPDM	4513436						
SL5, L = 75 cm Viton®	4513440						
SL5, L = 75 cm EPDM	4513441						
SL5, L = 85 cm Viton®	4513445						
SL5, L = 85 cm EPDM	4513446						
SL5, L = 108 cm Viton®	4513450						
SL5, L = 108 cm EPDM	4513451						
SL5, L = 122 cm Viton®	4513455						
SL5, L = 122 cm EPDM	4513456						
SL5, L = 40 cm Viton®	6 x 8	2	PVC				4513460
SL5, L = 40 cm EPDM							4513461
SL5, L = 63 cm Viton®				4513465			
SL5, L = 63 cm EPDM				4513466			
SL5, L = 75 cm Viton®				4513470			
SL5, L = 75 cm EPDM				4513471			
SL5, L = 85 cm Viton®				4513475			
SL5, L = 85 cm EPDM				4513476			
SL5, L = 108 cm Viton®				4513480			
SL5, L = 108 cm EPDM				4513481			
SL5, L = 122 cm Viton®				4513485			
SL5, L = 122 cm EPDM				4513486			
SL5, L = 40 cm Viton®				8 x 10	2	PVC	4513490
SL5, L = 40 cm EPDM							4513491
SL5, L = 63 cm Viton®	4513495						
SL5, L = 63 cm EPDM	4513496						
SL5, L = 75 cm Viton®	4513500						
SL5, L = 75 cm EPDM	4513501						
SL5, L = 85 cm Viton®	4513505						
SL5, L = 85 cm EPDM	4513506						
SL5, L = 108 cm Viton®	4513510						
SL5, L = 108 cm EPDM	4513511						
SL5, L = 122 cm Viton®	4513515						
SL5, L = 122 cm EPDM	4513516						

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27.03.2019

Ordering data:

Type: (Viton®, EPDM = seals)	Hose connection: mm	Outlet: number	Corpus:	Item number:
SL5, L = 40 cm Viton®	8 x 12	2	PVC	4513520
SL5, L = 40 cm EPDM				4513521
SL5, L = 63 cm Viton®				4513525
SL5, L = 63 cm EPDM				4513526
SL5, L = 75 cm Viton®				4513530
SL5, L = 75 cm EPDM				4513531
SL5, L = 85 cm Viton®				4513535
SL5, L = 85 cm EPDM				4513536
SL5, L = 108 cm Viton®				4513540
SL5, L = 108 cm EPDM				4513541
SL5, L = 122 cm Viton®				4513545
SL5, L = 122 cm EPDM				4513546
SL5, L = 40 cm Viton®	12 x 18	2	PVC	4513550
SL5, L = 40 cm EPDM				4513551
SL5, L = 63 cm Viton®				4513555
SL5, L = 63 cm EPDM				4513556
SL5, L = 75 cm Viton®				4513560
SL5, L = 75 cm EPDM				4513561
SL5, L = 85 cm Viton®				4513565
SL5, L = 85 cm EPDM				4513566
SL5, L = 108 cm Viton®				4513570
SL5, L = 108 cm EPDM				4513571
SL5, L = 122 cm Viton®				4513575
SL5, L = 122 cm EPDM				4513576
SL5, L = 40 cm Viton®	13 x 16	2	PVC	4513580
SL5, L = 40 cm EPDM				4513581
SL5, L = 63 cm Viton®				4513585
SL5, L = 63 cm EPDM				4513586
SL5, L = 75 cm Viton®				4513590
SL5, L = 75 cm EPDM				4513591
SL5, L = 85 cm Viton®				4513595
SL5, L = 85 cm EPDM				4513596
SL5, L = 108 cm Viton®				4513600
SL5, L = 108 cm EPDM				4513601
SL5, L = 122 cm Viton®				4513605
SL5, L = 122 cm EPDM				4513606

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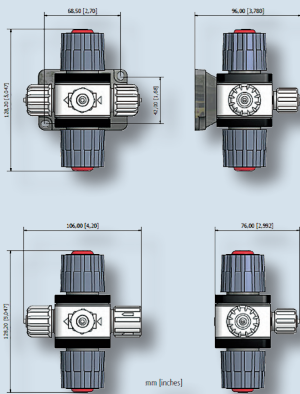
Options:

Type:	Item number:
Please indicate when ordering if a cable without a plug (2-core) is required	Please specify
Return port for SL4 and SL5 + filters in blue	9013524
Return port for SL4 and SL5 + filters in red	9013520
Return connection with screw cap C51 or C61	9013526

1.7.6.

DOSA*Tec* Multifunction valve MF

Pressure sustaining valve, pressure relief valve and air bleed valve in a single assembly.



Product description:

- Body: PVDF (polyvinylidene fluoride) or PP (polypropylene)
- O-rings made of Viton® or EPDM
- Pressure control from 1 to 5 bar, if used as a pressure sustaining valve
- Pressure control from 1 to 18 bar, if used as a pressure relief valve or from 1 to 10 bar (low)
- The multifunction valve is designed for pump capacities of up to 60 l/h
- Connection: 3/8", 1/2"
- Can be mounted directly to the dosing pump or to the wall

3

Areas of application:

- Pressure sustaining valve:
 - Dosing in open containers or below the level of the dosing pump (siphon principle). A rotary knob allows a counterpressure of 1 to 5 bar to be set.
- Pressure relief valve:
 - Dosing in pressurised systems where the pressure might be higher than the permitted operating pressure of the dosing pump. A rotary knob allows a counterpressure of 1 to 18 bar to be set. If the preset pressure limit is exceeded, the pressure relief valve opens and conveys the dosing media via a lateral hose connection back into the dosing tank.
- Air bleed valve to vent the dosing head manually:
 - Turn the rotary knob for pressure relief adjustment to open the valve for venting purposes.

Scope of supply:

- **DOSA*Tec* MF** multifunction valve, air bleed hose (PP)
- Please indicate the port size
 - Port size: 3/8", 1/2"
 - Hose connection: (4/6, 4/8, 6/8, 8/10, 8/12, 12/18) mm

Ordering data:

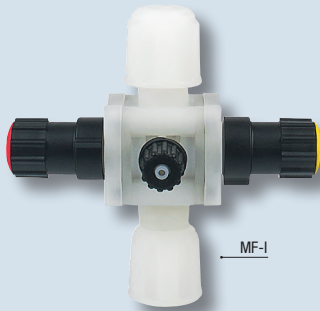
Type: (Viton®, EPDM = seals)	Installation:	Pressure control: bar: 1-18 1-10	Corpus:	Item number:
MF PP, Viton® Direct	Directly to the pump	1-18	PP	9013760
MF PP, EPDM Direct				9013761
MF PP, Viton® Wall				9013772
MF PP, EPDM Wall				9013773
MF PVDF, Viton® Direct	Directly to the pump	1-10	PVDF	9013762
MF PVDF, EPDM Direct				9013763
MF PVDF, Viton® Wall				9013765
MF PVDF, EPDM Wall				9013766

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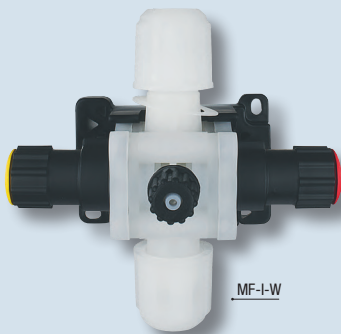
1.7.7.

DOSA*Tec* Multifunction valve MF-I

Pressure sustaining valve, pressure relief valve and air bleed valve in a single assembly.



MF-I



MF-I-W

Product description:

- Body/hydraulic components: PVDF (polyvinylidene fluoride)
- O-rings made of Viton® or EPDM
- Pressure control from 0 to 5 bar, if used as a pressure sustaining valve.
- Pressure control from 1 to 18 bar, if used as a pressure relief valve
- The multifunction valve is designed for pump capacities of up to 60 l/h
- Screw Connection: ½w
- Connection air bleed hose: 4 x 6 mm
- Can be mounted directly to the dosing pump

Areas of application:

- Pressure sustaining valve:
 - Dosing in open containers or below the level of the dosing pump (siphon principle).
A rotary knob allows a counterpressure of 0 to 5 bar to be set.
- Pressure relief valve:
 - Dosing in pressurised systems where the pressure might be higher than the permitted operating pressure of the dosing pump. A rotary knob allows a counterpressure of 1 to 18 bar to be set. If the preset pressure limit is exceeded, the pressure relief valve opens and conveys the dosing media via a lateral hose connection back into the dosing tank.
- Air bleed valve to vent the dosing head manually:
 - Turn the rotary knob for pressure relief adjustment to open the valve for venting purposes.

Scope of supply:

- DOSA*Tec* MF-I multifunction valve, air bleed hose (PP)

Ordering data:

Type:	Connection: mm	Seals:	Corpus:	Item number:
MF-I PVDF, Viton® 4 x 6	4 x 6	Viton®	PVDF	90230000
MF-I PVDF, Viton® 8 x 12	8 x 12			90230001
MF-I PVDF, EPDM 4 x 6	4 x 6	EPDM		90230005
MF-I PVDF, EPDM 8 x 12	8 x 12			90230006
MF-I-W PVDF, Viton® 4 x 6	4 x 6	Viton®		90230010
MF-I-W PVDF, Viton® 8 x 12	8 x 12			90230011
MF-I-W PVDF, EPDM 4 x 6	4 x 6	EPDM		90230015
MF-I-W PVDF, EPDM 8 x 12	8 x 12			90230016

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20.03.2018

1.7.8.

DOSA Tec Flow sensor DFS

Sensor to control the dosing capacity of solenoid-driven diaphragm dosing pumps.



Product description:

- Body: PVDF (polyvinylidene fluoride) or PP (polypropylene)
- O-rings/saels made of Viton® or EPDM
- Models:
 - Screw connection with female thread for direct connection to the dosing head
 - Hose connection and wall mounting
- Fine tuning
- Max. temperature: 45 °C
- Connection: ½" (standard), ¾" (please indicate expressly)
- Hose connection: (4 x 6, 4 x 8, 6 x 8, 8 x 10, 8 x 12, 13 x 16, 12 x 18) mm (indicate port size when ordering)

Areas of application:

- Controlling the dosing capacity of solenoid-driven diaphragm metering pumps.
- The flow sensor is either screwed directly to the pressure valve of the solenoid diaphragm dosing pump or, by means of a supplementary hose connection, mounted into the dosing line of the dosing system.

Working principle:

- Every dosing pulse causes an integrated solenoid body to bounce up and actuate an inductive proximity switch. The proximity switch records each dosing pulse and transmits it, either to the connected dosing pump or to another device that can process the signal, via a signal cable.
- Should a pulse (or several pulses in a row) be missing, e.g. due to air/gas in the dosing line, it is possible to stop the dosing pump or to generate an error message. Using an adjusting screw it is possible to adjust the flow rate and the sensor sensitivity to suit the system requirements.

Scope of supply:

- **DOSA Tec DFS** Flow sensor, 1.5 m signal cable with BNC plug and LED
 - Please indicate the required hose connection when ordering, if required (e.g. 6 x 8 mm)
 - Please indicate special connection ports (¾") when ordering

Ordering data:

Type:	Installation:	Connection:	Pressure control: bar	Corpus:	Seals:	Item number:
DFSS/V Viton® PVDF	wall	½"	1 ... 18	PVDF	Viton®	9013376
DFSS/D EPDM PVDF					EPDM	9013379
DFS/D EPDM PVDF	EPDM				9013377	
DFS/V Viton® PVDF	Viton®				9013378	
DFSS/V Viton® PP	wall			PP	Viton®	9013380
DFSS/D EPDM PP	EPDM				9013381	
DFS/V Viton® PP	Viton®				9013382	
DFS/D EPDM PP	EPDM				9013383	
	direct					

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1.7.9.

DOSA Tec Pulsation damper SOIM

Pulsation dampers used for compensating pressure surges and pressure resistances in longer dosing lines.



Product description:

- Body: PVC, PVDF or stainless steel
- O-rings/seals made of Viton® or EPDM
- Temperature/pressure of SOIM 1 made of PVC: 45 °C/5 bar
- Temperature/pressure of SOIM 3 made of PVDF: 45 °C/10 bar
- Temperature/pressure of SOIM SS made of stainless steel: 130 °C/10 bar
- Hose connection:
 - for 3/8": (4 x 6, 4 x 8, 6 x 8) mm, please indicate when ordering
 - for 1/2": (6 x 8, 8 x 10, 8 x 12, 12 x 18) mm, please indicate when ordering

Areas of application:

- Pulsation dampers are used for compensating pressure surges and pressure resistances which can occur in longer dosing lines.

Working principle:

- An air/gas bubble forms in the upper part of the pressure vessel. The pressure surges caused by the oscillating membrane movement are attenuated by the gas bubble, so that the dosing flow becomes steady.

The following formula can be used to determine the correct size of the pulsation damper:

- $\text{Volume (l)} = \frac{\text{pressure (bar)} \times \text{volume to be dosed (l)}}{500}$
- The volume of the pulsation damper has to be equal to or higher than volume (l).

Scope of supply:

- **DOSA Tec SOIM** pulsation damper stainless steel mounting bracket (please indicate the connection and the hose connection when ordering, e.g. 3/8" with 6 x 8 mm)

Ordering data:

Type:	Connection: inches	Volume: ml	Pressure: max. bar	Temperature: max. °C	Corpus:	Seals:	Item number:
SOIM 1/V	1/2	500	5	45	PVC	Viton®	9013285
SOIM 1/E			10	130		EPDM	9013286
SOIM 1 SS/V			Stainless steel	Viton®	9013288		
SOIM 1 SS/D				EPDM	9013289		
SOIM 3/V	3/8	90	5	45	PVC	Viton®	9013281
SOIM 3/D			EPDM			9013284	
SOIM 3K/V			PVDF	Viton®	9013287		
SOIM 3K/D				EPDM	9013283		

Viton® is the registered trademark for DuPont Dow Elastomer.

1.7.10.

DOSA*Tec* Dosing tank DB A

Dosing tanks made of UV-stabilised polyethylene (PE), with handhole and screw lid.



Product description:

- Moulded litre scale
- Moulded ¾" threaded outlet socket (not perforated) with sealing plug and seal (EPDM)
- Four M6 moulded insert nuts (except for DB-A 35) for mounting fastening bracket
- Colour: Natural (standard), black, blue, red (optional)

3

Areas of application:

- Storage of liquid dosing chemicals.

Scope of supply:

- DOSA*Tec* DB A dosing tank tank with screw lid

Ordering data:

Type:	Storage capacity: l	Diameter: mm	Diameter: mm (handhole)	Height: mm	Weight: kg	Item number:
DB A 35	35	320	70	500	3.0	4091020
DB A 75	75	460	160	625	5.5	4091021
DB A 100	100	460		785	6.5	4091022
DB A 140	140	600		660	9.0	4091023
DB A 200	200	600		880	11.0	4091024
DB A 250	250	670		885	13.0	4091025
DB A 300	300	670		1030	15.5	4091026
DB A 400	400	790		985	20.0	4091027
DB A 500	500	790		1180	23.5	4091028

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
20.07.2017

Options:

Type:	Item number:
Black tank (15 % surcharge)	4091200
Blue tank (30 % surcharge)	4091210
Red tank (30 % surcharge)	4091205
Tank lockable (except A 35)	9091005
PVC outlet ball valve with ¾"	9088660
Mounting bracket (set of 4)	9091015

Accessories:

Type:	Item number:
Manual stamping mixer for 35 l tank, PVC	4391000
Manual stamping mixer for 75 l tank, PVC	4391002
Manual stamping mixer for 100 l tank, PVC	4391003
Manual stamping mixer for 140 l tank, PVC	4391004
Manual stamping mixer for 200 l tank, PVC	4391005
Manual stamping mixer for 250 l tank, PVC	4391006
Manual stamping mixer for 300 l tank, PVC	4391007
Manual stamping mixer for 400 l tank, PVC	4391008
Manual stamping mixer for 500 l tank, PVC	4391009
Manual agitator for 35 l tank, PVC	4291000
Manual agitator for 75 l tank, PVC	4291002
Manual agitator for 100 l tank, PVC	4291003
Manual agitator for 140 l tank, PVC	4291004
Manual agitator for 200 l tank, PVC	4291005
Manual agitator for 250 l tank, PVC	4291006
Manual agitator for 300 l tank, PVC	4291007
Manual agitator for 400 l tank, PVC	4291008
Manual agitator for 500 l tank, PVC	4291009

1.7.11.

DOSA*Tec* Dosing Tank DB C

Dosing tanks made of UV-stabilised polyethylene (PE), with handhole and screw lid.



Product description:

- Moulded litre scale
- Moulded ¾" threaded outlet socket (not perforated) with sealing plug and seal (EPDM)
- 4 moulded insert nuts for mounting holding brackets
- Colour: natural (standard), black, blue, red (optional)

3

Areas of application:

- Storage of liquid dosing chemicals.

Scope of supply:

- DOSA*Tec* DB C Dosing tank with screw lid

Ordering data:

Type:	Storage capacity: l	Diameter: mm	Diameter: mm (handhole)	Height: mm	Weight: kg	Item number:
DB C 40	40	420	70	425	2.7	4091030
DB C 60	60	420	160	580	4.6	4091031
DB C 75	75	460		600	5.5	4091032
DB C 100	100	460		760	6.5	4091033
DB C 140	140	600		660	8.0	4091034
DB C 200	200	600		880	11.0	4091035
DB C 250	250	670		880	13.0	4091036
DB C 300	300	670		1030	15.5	4091037
DB C 400	400	790		980	20.0	4091038
DB C 500	500	790		1170	23.5	4091039
DB C 800	800	1100		1020	34.0	4091040
DB C 1000	1000	1100		1240	37.0	4091041

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
20.07.2017

Options:

Type:	Item number:
Black tank (15 % surcharge)	4091200
Blue tank (30 % surcharge)	4091210
Red tank (30 % surcharge)	4091205
Tank lockable (except A 35)	9091005
PVC outlet ball valve with ¾"	9088660
Mounting bracket (set of 4)	9091015

Accessories:

Type:	Item number:
Manual stamping mixer for 40 l tank, PVC	4391000
Manual stamping mixer for 60 l tank, PVC	4391001
Manual stamping mixer for 75 l tank, PVC	4391002
Manual stamping mixer for 100 l tank, PVC	4391003
Manual stamping mixer for 140 l tank, PVC	4391004
Manual stamping mixer for 200 l tank, PVC	4391005
Manual stamping mixer for 250 l tank, PVC	4391006
Manual stamping mixer for 300 l tank, PVC	4391007
Manual stamping mixer for 400 l tank, PVC	4391008
Manual stamping mixer for 500 l tank, PVC	4391009
Manual stamping mixer for 800 l tank, PVC	4391010
Manual stamping mixer for 1000 l tank, PVC	4391011
Manual agitator for 40 l tank, PVC	4291000
Manual agitator for 60 l tank, PVC	4291001
Manual agitator for 75 l tank, PVC	4291002
Manual agitator for 100 l tank, PVC	4291003
Manual agitator for 140 l tank, PVC	4291004
Manual agitator for 200 l tank, PVC	4291005
Manual agitator for 250 l tank, PVC	4291006
Manual agitator for 300 l tank, PVC	4291007
Manual agitator for 400 l tank, PVC	4291008
Manual agitator for 500 l tank, PVC	4291009
Manual agitator for 800 l tank, PVC	4291010
Manual agitator for 1000 l tank, PVC	4291011

1.7.12.

DOSA*Tec* Dosing tank DB E

Dosing tanks made of UV-stabilised polyethylene (PE), with handhole and screw lid.



Product description:

- Moulded litre scale
- Moulded 3/4" threaded outlet socket (not perforated) with sealing plug and seal (EPDM)
- 4 moulded insert nuts for mounting holding brackets
- Colour: Natural (standard), black, blue, red (optional)

3

Areas of application:

- Storage of liquid dosing chemicals.

Scope of supply:

- **DOSA*Tec* DB E** dosing tank with screw lid

Ordering data:

Type:	Storage capacity: l	Diameter: mm	Diameter: mm (handhole)	Height: mm	Weight: kg	Item number:
DB E 35	35	320	70	500	2.5	4091000
DB E 60	60	420	160	640	4.4	4091001
DB E 100	100	450		810	6.2	4091002
DB E 200	200	550		1030	10.0	4091003
DB E 300	300	655		1110	14.0	4091004
DB E 500	500	770		1230	22.0	4091005
DB E 750	750	970		1170	32.0	4091006
DB E 1000	1000	1080		1260	37.5	4091007
DB E 1100	1100	1110		1340	On request	4091009
DB E 1400	1400	1100		1660		4091010
DB E 1700	1700	1210		1715		4091011
DB E 2000	2000	1310		1715		4091012

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20.07.2017

Ordering data:

Type:	Storage capacity: l	Diameter: mm	Diameter: mm (handhole)	Height: mm	Weight: kg	Item number:
DB E 2050	2050	1210	160	2020	On request	4091013
DB E 2400	2400	1310		2005		4091014
DB E 2500	2500	1470		1715		4091015
DB E 3000	3000	1470		2202		4091016

Options:

Type:	Item number:
Black tank (15 % surcharge)	4091200
Blue tank (30 % surcharge)	4091210
Red tank (30 % surcharge)	4091205
Tank lockable (except A 35)	9091005
PVC outlet ball valve with ¾"	9088660
Mounting bracket (set of 4)	9091015

Accessories:

Type:	Item number:
Manual stamping mixer for 35 l tank, PVC	4391000
Manual stamping mixer for 60 l tank, PVC	4391001
Manual stamping mixer for 100 l tank, PVC	4391003
Manual stamping mixer for 200 l tank, PVC	4391005
Manual stamping mixer for 300 l tank, PVC	4391007
Manual stamping mixer for 500 l tank, PVC	4391009
Manual stamping mixer for 750 l tank, PVC	4391010
Manual stamping mixer for 1000 l tank, PVC	4391011
Manual stamping mixer for 1100 l tank, PVC	On request
Manual stamping mixer for 1400 l tank, PVC	
Manual stamping mixer for 1700 l tank, PVC	
Manual stamping mixer for 2000 l tank, PVC	
Manual stamping mixer for 2050 l tank, PVC	
Manual stamping mixer for 2400 l tank, PVC	
Manual stamping mixer for 2500 l tank, PVC	
Manual stamping mixer for 3000 l tank, PVC	On request
Manual agitator for 35 l tank, PVC	
Manual agitator for 60 l tank, PVC	
Manual agitator for 100 l tank, PVC	
Manual agitator for 200 l tank, PVC	
Manual agitator for 300 l tank, PVC	
Manual agitator for 500 l tank, PVC	
Manual agitator for 750 l tank, PVC	
Manual agitator for 1000 l tank, PVC	
Manual agitator for 1100 l tank, PVC	
Manual agitator for 1400 l tank, PVC	
Manual agitator for 1700 l tank, PVC	
Manual agitator for 2000 l tank, PVC	
Manual agitator for 2050 l tank, PVC	
Manual agitator for 2400 l tank, PVC	
Manual agitator for 2500 l tank, PVC	
Manual agitator for 3000 l tank, PVC	

1.7.13.

DOSA Tec Safety bunds 0

Safety bunds made of UV stabilised polyethylene (PE).



Product description:

- Housing of dosing tank models DB-A, DB-C, DB-E
- Made of UV stabilised polyethylene

Areas of application:

- Housing of dosing tanks.
- Drip collection.

Scope of supply:

- **DOSA Tec 0** Safety bunds
- Colour: natural (standard), black (+15 % surcharge)

Ordering data:

Type:	Storage capacity: l	Diameter: mm	Height: mm	Item number:
O 38	38	340	535	4191016
O 40	40	420	395	4191013
O 42	42	450	370	4191017
O 60	60	420	555	4191000
O 60 H	60	340	800	4191001
O 62	62	450	490	4191014
O 80	80	500	540	4191002
O 100	100	450	745	4191003
O 115	115	420	975	4191018
O 120	120	500	700	4191004
O 150	150	650	540	4191005
O 200	200	550	960	4191006
O 210	210	650	740	4191007
O 220	220	770	590	4191019
O 270	270	770	700	4191015
O 300	300	660	1000	4191008
O 320	320	770	810	4191020
O 400	400	770	970	4191009
O 410	410	860	830	4191021
O 500	500	860	980	4191010
O 500 H	500	770	1201	4191022
O 600	600	860	1200	4191023
O 750	750	1050	980	4191011
O 1000	1000	1150	1080	4191012

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17.07.2016

1.7.14.

DOSA Tec Accessories for dosing tanks DB

Accessories for efficient use of DB dosing tanks.



Product description:

- Practical accessories for DB dosing tanks.

Areas of application:

- Stirring and mixing of liquid media.

Scope of supply:

- Depending on your order:
 - Manual stamping mixer
 - Manual agitator
 - Mounting bracket

Further accessories:

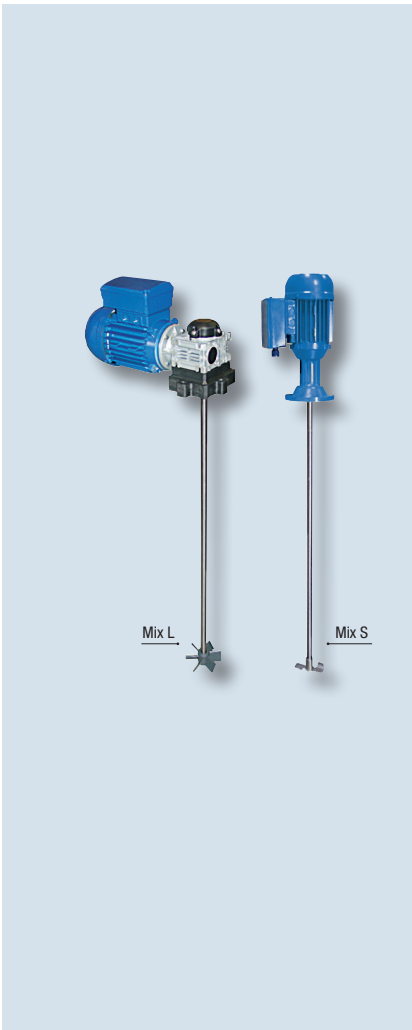
- Threaded couplers, threaded nipples, flanges, flange bushings with loose flanges
- Further accessories on request

Ordering data:

Type:	Item number:
Manual stamping mixer for 35 l tank	4391000
Manual stamping mixer for 60 l tank	4391001
Manual stamping mixer for 75 l tank	4391002
Manual stamping mixer for 100 l tank	4391003
Manual stamping mixer for 140 l tank	4391004
Manual stamping mixer for 200 l tank	4391005
Manual stamping mixer for 250 l tank	4391006
Manual stamping mixer for 300 l tank	4391007
Manual stamping mixer for 400 l tank	4391008
Manual stamping mixer for 500 l tank	4391009
Manual stamping mixer for 750 l tank	4391010
Manual stamping mixer for 1000 l tank	4391011
Manual agitator for 40 l tank	4291000
Manual agitator for 60 l tank	4291001
Manual agitator for 75 l tank	4291002
Manual agitator for 100 l tank	4291003
Manual agitator for 140 l tank	4291004
Manual agitator for 200 l tank	4291005
Manual agitator for 250 l tank	4291006
Manual agitator for 300 l tank	4291007
Manual agitator for 400 l tank	4291008
Manual agitator for 500 l tank	4291009
Manual agitator for 750 l tank	4291010
Manual agitator for 1000 l tank	4291011

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17.08.2016

Agitators for mixing of liquids in dosing tanks up to a maximum viscosity of 500 cPs.



Product description:

- Balanced agitator shaft made of stainless steel (AISI 316L), with PVC sheathing, optionally PVDF
- Detachable agitator unit
- For zero-pressure operation
- Not suitable for outgassing media
- Max. temperature of the medium: 55 °C
- Protection category: IP 55
- Power supply:
 - 230/276 V, 50/60 Hz, 1-phase (Mon)
 - 400/480 V, 50/60 Hz, 3-phase (Tri)

3

Areas of application:

- Mixing of liquid media.

Scope of supply:

- **DOSA*Tec* Mix** standard agitator with shaft and screw

Ordering data:

Type:	Motor rating: kW	Speed: rpm	Voltage: VAC	Shaft length: mm	Screw diameter: mm	Item number:
Mix S1-PVC-MON	0.12	1400	230	600	90	42230000
Mix S2-PVC-MON				800		42230005
Mix S3-PVC-MON				900		42230010
Mix S4-PVC-MON				1100		42230015
Mix S1-AISI-MON				600		42230020
Mix S2-AISI-MON				800		42230025
Mix S3-AISI-MON				900		42230030
Mix S4-AISI-MON				1100		42230035
Mix S1-PVC-TRI		400		600		42230040
Mix S2-PVC-TRI				800		42230045
Mix S3-PVC-TRI				900		42230050
Mix S4-PVC-TRI				1100		42230055
Mix S1-AISI-TRI				600		42230060
Mix S2-AISI-TRI				800		42230065
Mix S3-AISI-TRI				900		42230070
Mix S3-AISI-TRI				1100		42230075

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
17.11.2017

Ordering data:

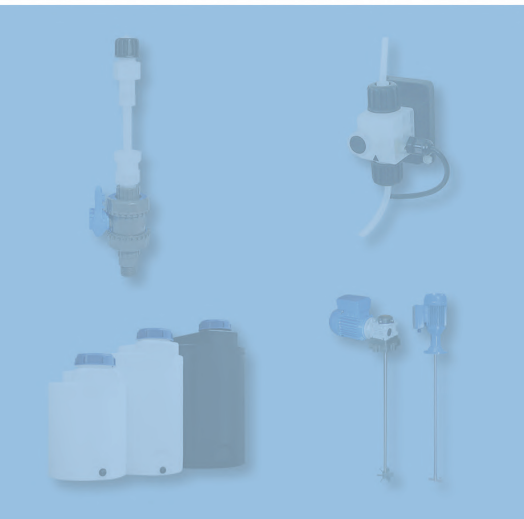
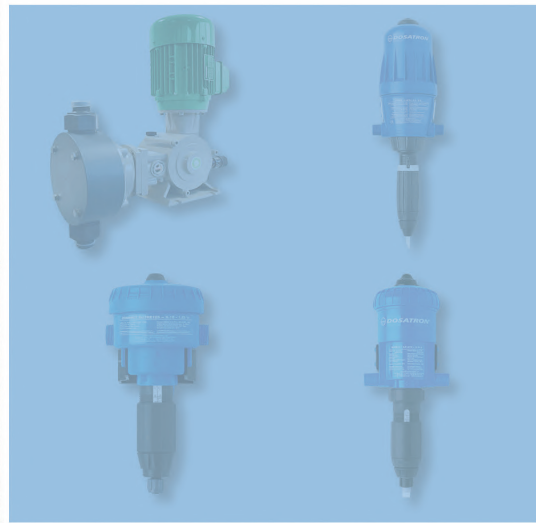
Type:	Motor rating: kW	Speed: rpm	Voltage: VAC	Shaft length: mm	Screw diameter: mm	Item number:
Mix L1-PVC-MON	0.12	200	230	600	150/ 220	42230100
Mix L1-PVC-MON				800		42230105
Mix L3-PVC-MON				900		42230110
Mix L4-PVC-MON				1100		42230115
Mix L1-AISI-MON				600		42230120
Mix L2-AISI-MON				800		42230125
Mix L3-AISI-MON				900		42230130
Mix L4-AISI-MON				1100		42230135
Mix L1-PVC-TRI		400		600		42230140
Mix L2-PVC-TRI				800		42230145
Mix L3-PVC-TRI				900		42230150
Mix L4-PVC-TRI				1100		42230155
Mix L1-AISI-TRI				600		42230160
Mix L2-AISI-TRI				800		42230165
Mix L3-AISI-TRI				900		42230170
Mix L3-AISI-TRI				1100		42230175

Option:

Type:	Item number:
Shaft: PVDF sheathing	92230000

Additional technical data:

Information:
Mix S without transmission, speed 1400 rpm
Mix L with flanged side gear unit, speed 200 rpm



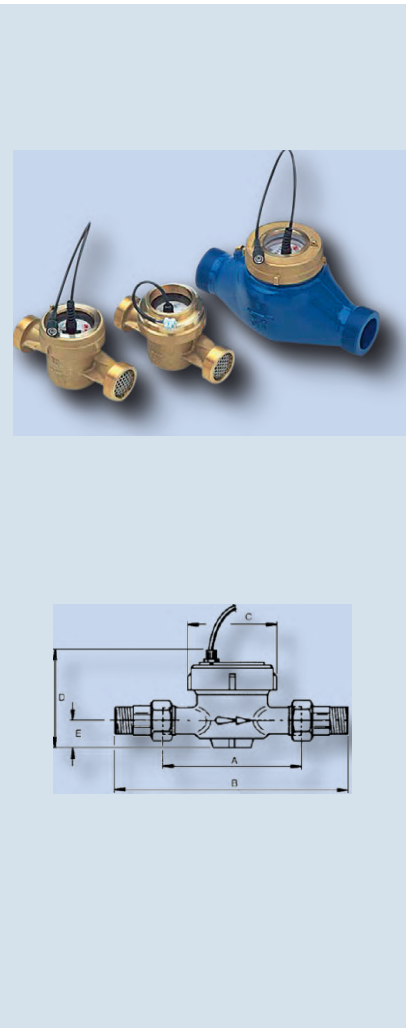
3. Dosing technology

1.8. Water meter

1.8.1.

DOSA Tec Impeller flow meter CT, CA

Flow meters made of high-grade brass die cast with plastic inner parts.



Product description:

- Impeller flow meter
- Models:
 - Wet-dial water meters (CT)
 - Dry-dial water meters (CA) with dry metering chamber
 - Cold water up to 30 °C
 - Warm water up to 90 °C
- For demineralised water and condensate
- Min. reading 0.1 l (DN 50: 0.5)
- Max. reading 105 m³
- Reed contact output, max. contact load 24 V, 100 mA
- Max. operating pressure: 16 bar
- Pressure drop at Q_{max}: 1 bar
- Pulse interval: see table
- Insulation voltage: 4000 V AC

Areas of application:

- Precise registration of flow rates
- Pulse to controller (for dosing control, e.g. dosing pumps)

Scope of supply:

- **DOSA Tec CT, CA** Impeller flow meter with screw connections and seals, standard 2 m connection cable
- Optional lengths 5, 10 and > 10 m with:
 - BNC plug (standard)
 - without plug
- Option: Calibration certificate (available on request)
- When ordering: indicate pulse sequence and plug type

Ordering data:

Typ:	Connection diameter:		Item number:
	DN	Inch/thread	
CTFI Wet-dial meter for cold water up to 30 °C	15	½" AG	4313001
	20	¾" AG	4313002
	25	1" AG	4313004
	30	1 ¼" AG	4313005
	40	1 ½" AG	4313008
	50	2" AG	4313009
CATFI Dry-dial meter for cold water up to 30 °C	15	½" AG	4313130
	20	¾" AG	4313131
	25	1" AG	4313132
	30	1 ¼" AG	4313133
	40	1 ½" AG	4313134
CATFIT Dry-dial meter for cold water up to 30 °C (PTFE coated)	50	2" AG	4313135
	15	½" AG	4313160
	20	¾" AG	4313161
	25	1" AG	4313162
	30	1 ¼" AG	4313163
40	1 ½" AG	4313164	

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25.02.2020

Ordering data:

Type:	Connection diameter:		Item number:
	DN	Inch/thread	
CATCI Dry-dial meter for hot water up to 90 °C	15	½" AG	4313120
	20	¾" AG	4313121
	25	1" AG	4313122
	30	1 ¼" AG	4313123
	40	1 ½" AG	4313124
	50	2" AG	4313125
CATCIT Dry-dial meter for hot water up to 90 °C (PTFE coated)	15	½" AG	4313170
	20	¾" AG	4313171
	25	1" AG	4313172
	30	1 ¼" AG	4313173
	40	1 ½" AG	4313174
CTFIT Teflon coated for cold water up to 30 °C	15	½" AG	4313150
	20	¾" AG	4313151
	25	1" AG	4313152
	30	1 ¼" AG	4313153
	40	1 ½" AG	4313154

Additional technical data:

Connection-type:	Connection:	Nominal flow:	Max. flow:	Minimum inflow:	Litres per pulse:	Installed length „A“: w/o screw connection:	Installed length „B“: with screw connection:	Width Ø: „C“	Height: „D“	Weight (with screw connection):
DN inches	inches thread	*Q _n in m ³	Q _{max} in m ³	l/h	l/Impuls	mm	mm	mm	mm	kg
15 ½"	½" AG	1,5	3	10	1, 10, 100, 1000 pulse se- quences**: 1 2 4	110	190	80	110	0.85
20 ¾"	¾" AG	2,5	5	15		130	228	80	110	1.1
25 1"	1" AG	3,5	7	20		160	260	100	132	1.75
30 1 ¼"	1 ¼" AG	5,0	10	20		160	280	100	132	2
40 1 ½"	1 ½" AG	10,0	20	25		200	340	110	137	3.46
50 2"	2" AG	15,0	30	50		300	460	108	130,5	6.75

* Nenndurchfluss Q_n: = ½ max. Durchfluss Q_{max} (gemäß Eichenforderung), **Standard Model, weitere Impulsfolgen auf Anfrage.

Options:

Type:	Item number:
Connection cable 5 m with BNC plug	on request
Connection cable 5 m, without plug	
Connection cable 10 m with BNC plug	
Connection cable 10 m, without plug	
Connection cable > 10 m with BNC plug	
Connection cable > 10 m, without plug	
Calibration certificate	

1.8.2.

DOSA *Tec* Impeller flow meter KWKT/KWHT

Flow meters made of high-grade brass die cast with plastic inner parts.



Product description:

- Impeller flow meter with pulse drive
- Models:
 - Dry-dial water meter with dry metering chamber
 - Cold water up to 30 °C
 - Warm water up to 90 °C
 - Teflon (PTFE)-coated roller register for aggressive media
- Design: KWKT, PTFE-coated
- Min. reading 0.1 l (DN 50: 0.5)
- Max. reading 105 m³
- Reed contact output, max. contact load 24 V, 200 mA
- Max. operating pressure: 16 bar
- Pulse intervals: see below

3

Areas of application:

- Precise registration of flow rates
- Pulse to controller (for dosing control)

Scope of supply:

- DOSA *Tec* KWKT/KWHT impeller flow meter with screw connections, Standard 2 m connection cable (except with Teflon), BNC plug (standard), without plug
- Please specify litres/pulse sequence and plug type when ordering

Ordering data:

Type:	Connection diameter:	Connection diameter:	Item number:
KWKT: Dry-dial meter for cold water up to 30 °C	DN	inch/thread	
KWKT 15 ½"	15	½	43113130
KWKT 20 ¾"	20	¾	43113131
KWKT 25 1"	25	1	43113132
KWKT 30 1 ¼"	30	1 ¼	43113133
KWKT 40 1 ½"	40	1 ½	43113134
KWKT 50 2"	50	2	43113135
Type:	Connection diameter:	Connection diameter:	Item number:
KWKT-PTFE (coated) Dry-dial meter for cold water up to 30 °C	DN	inch/thread	
KWKT-PTFE 15 ½" (coated)	15	½	43113160
KWKT-PTFE 20 ¾" (coated)	20	¾	43113161
KWKT-PTFE 25 1" (coated)	25	1	43113162
KWKT-PTFE 30 1 ¼" (coated)	30	1 ¼	43113163
KWKT-PTFE 40 1 ½" (coated)	40	1 ½	43113164
KWKT-PTFE 50 2" (coated)	50	2	43113165

Ordering data:

Type:	Connection diameter:	Connection diameter:	Item number:
KWHT: Dry-dial meter for hot water up to 90 °C	DN	inch/thread	
KWHT 15 ½"	15	½	43113120
KWHT 20 ¾"	20	¾	43113121
KWHT 25 1"	25	1	43113122
KWHT 30 1 ¼"	30	1 ¼	43113123
KWHT 40 1 ½"	40	1 ½	43113124
KWHT 50 2"	50	2	43113125

Additional technical data:

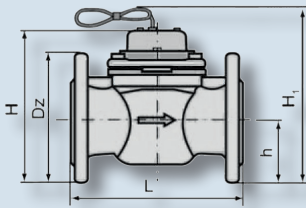
Conne- tion type:	Conne- tion thread:	Nominal flow:	Max. flow rate:	Minimum inflow:	Litres per pulse:	Installed length „A“ w/o screw connection:	Installed length „B“ with screw connection:	Diameter Ø: „C“	Height: „D“	Weight with screw connection:
DN	inches	*Q _n in m ³	Q _{max} in m ³	l/h	l/pulse	mm	mm	mm	mm	kg
15	½	1.5	3	30	0.25, 0.5, 1, 2.5, 5, 10, 25, 50, 100, 250, 500, 1000	110	190	80	108	1.05
20	¾	2.5	5	50		130	228	80	108	1.25
25	1	3.5	7	70		160	260	100	128	1.85
30	1 ¼	5.0	10	100		160	280	100	128	2.15
40	1 ½	10.0	20	200		200	340	110	142	3.54
50	2	15.0	30	450	300	460	136	140	2.50	

*Nominal flow rate Q_n: = ½ max. flow rate Q_{max} (in compliance with calibration requirements)

1.8.3.

DOSA Tec Woltmann contact water meter WW

Die cast iron, lacquer coated inside and outside, with plastic inner parts



Product description:

- Woltmann contact water meter
- Dry-dial water meter with dry metering chamber
- Operating temperature range:
 - Cold water up to 30 °C
 - Warm water up to 130 °C
- Wide measuring range
- Removable measuring insert
- Simple readout
- Magnetic coupling
- Low minimum start-up flow rate
- Materials suitable for drinking water
- Complies with ISO 4064, BS 5728, ISO/DIS 10385
- Max. operating pressure: 16 bar

3

Areas of application:

- Registration of flow rates
- Pulse to controller (for dosing control)

Scope of supply:

- **DOSA Tec WW** Woltmann contact water meter, standard 2 m connection cable, BNC plug (standard), without plug
- Please specify litres/pulse sequence and plug type when ordering

Ordering data:

Type:	Connection diameter:	Nominal flow:	Max. flow rate:	Item number:
WWKT contact water meter for cold water up to 30 °C	DN	m ³ /h	m ³ /h	
WWKT 50, 2" flange	50	50	90	43113050
WWKT 65, 2 ½" flange	65	60	120	43113051
WWKT 80, 3" flange	80	120	200	43113052
WWKT 100, 4" flange	100	230	300	43113053
WWKT 150, 6" flange	150	400	600	43113054
WWKT 200, 8" flange	200	750	1000	43113055
Type:	Connection diameter:	Nominal flow:	Max. flow rate:	Item number:
WWHT dry-dial meter for hot water up to 130 °C	DN	m ³ /h	m ³ /h	
WWHT 50 2" flange	50	15	30	43113060
WWHT 65 2 ½" flange	65	25	60	43113061
WWHT 80 3" flange	80	45	90	43113062
WWHT 100 4" flange	100	70	70	43113063
WWHT 150 6" flange	150	150	300	43113064
WWHT 200 8" flange	200	250	500	43113065

Additional technical data:

WWKT contact water meter up to 30 °C (dry-dial water meter)

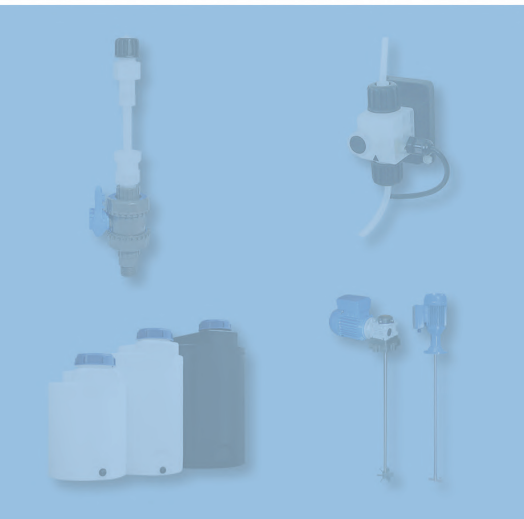
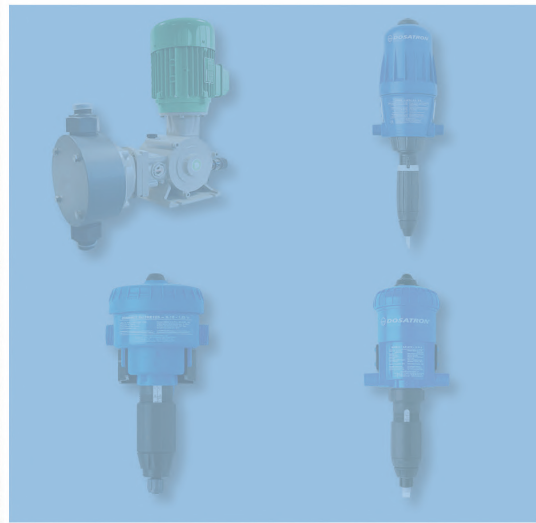
Conne- tion type:	Nominal flow rate	Max. flow rate:	Min. flow rate:	Transitional flow rate:	Minimum inflow:	Totalizer:	Litres per: pulse	Installed length: „L“	InstalledHeight: „H“	Flange dia- meter „D ₂ “:	Weight:
DN	m ³ /h	m ³ /h	m ³ /h	m ³ /h	m ³ /h	max./m ³	l/pulse	mm	mm	mm	kg
50	50	90	0.35	0.9	0.15	106	2.5, 5, 10, 25, 50, 100, 250, 500, 1000	200	187	165	9.9
65	60	120	0.45	1.2	0.20			200	197	185	10.6
80	120	200	0.50	0.8	0.25			225	219	200	13.3
100	230	300	1.50	1.8	0.25			250	229	220	15.6
150	400	600	1.80	4.0	1.00	107		300	357	285	40.1
200	750	1000	4.00	6.0	1.50			350	387	340	51.1

3

Additional technical data:

WWHT contact water meter up to 130 °C (dry-dial water meter)

Conne- tion type:	Nominal flow rate	Max. flow rate:	Min. flow rate:	Transitional flow rate:	Minimum inflow:	Totalizer:	Litres per: pulse	Installed length: „L“	InstalledHeight: „H“	Flange dia- meter „D ₂ “:	Weight:
DN	m ³ /h	m ³ /h	m ³ /h	m ³ /h	m ³ /h	max./m ³	l/pulse	mm	mm	mm	kg
50	15	30	0.6	1.5	0.25	106	2.5, 5, 10, 25, 50, 100, 250, 500, 1000	200	187	165	9.9
65	25	60	0.8	2.0	0.30			200	197	185	10.6
80	45	90	1.4	3.2	0.35			225	219	200	13.3
100	70	70	3.5	4.8	0.60			250	229	220	15.6
150	150	300	5.5	12.0	2.00	107		300	357	285	40.1
200	250	500	10.0	20.0	4.00			350	387	340	51.1



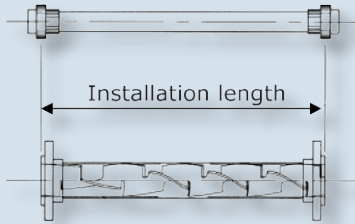
3. Dosing technology

1.9. Static line mixer

1.9.1.

DOSA Tec Static line mixer **SRMK** made of plastic

Line mixer for media free of solid particles.



Product description:

- Mixing insert consisting of a slit helical structure
- The system works without any moving parts
- Operating temperatures:
 - PVC up to nominal pressure PN 16, max. 40 °C
 - PP and PE up to nominal pressure PN 10, max. 60 °C

3

Areas of application:

- Intense mixing of two liquid media (without solids) while flowing.

Scope of supply:

- **DOSA Tec** SRMK static line mixer, made of plastic

Ordering data:

Type:	Material:	Connection:	Nominal diameter:	Diameter:	Installation length:	Item number:
Made of PVC, with solvent cement socket (KB)			DN	DA	mm	
SRMK-PVC-KB-DN-15	PVC	KB	15	20	360	4969001
SRMK-PVC-KB-DN-20			20	25	360	4969000
SRMK-PVC-KB-DN-25			25	32	390	4969002
SRMK-PVC-KB-DN-32			32	40	405	4969003
SRMK-PVC-KB-DN-40			40	50	460	4969004
SRMK-PVC-KB-DN-50			50	63	475	4969005
SRMK-PVC-KB-DN-65			65	75	610	4969006
Type:	Material:	Connection:	Nominal diameter:	Diameter:	Installation length:	Item number:
Made of PVC, with female thread (IG)			DN	DA	mm	
SRMK-PVC-IG-DN-15	PVC	IG	15	20	360	4969100
SRMK-PVC-IG-DN-20			20	25	360	4969101
SRMK-PVC-IG-DN-25			25	32	390	4969102
SRMK-PVC-IG-DN-32			32	40	405	4969103
SRMK-PVC-IG-DN-40			40	50	460	4969104
SRMK-PVC-IG-DN-50			50	63	475	4969105
SRMK-PVC-IG-DN-65			65	75	610	4969106

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
14.02.2017

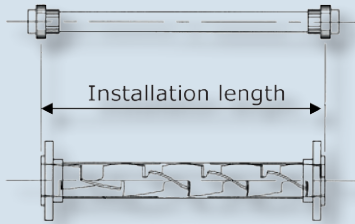
Ordering data:

Type:	Material:	Connection:	Nominal diameter:	Diameter:	Installation length:	Item number:
Made of PP, with female thread (IG)			DN	DA	mm	
SRMK-PP-IG-DN-15	PP	IG	15	20	360	4969110
SRMK-PP-IG-DN-20			20	25	360	4969111
SRMK-PP-IG-DN-25			25	32	390	4969112
SRMK-PP-IG-DN-32			32	40	405	4969113
SRMK-PP-IG-DN-40			40	50	460	4969114
SRMK-PP-IG-DN-50			50	63	475	4969115
SRMK-PP-IG-DN-65			65	75	610	4969116
Type:	Material:	Connection:	Nominal diameter:	Diameter:	Installation length:	Item number:
Made of PE, with female thread (IG)			DN	DA	mm	
SRMK-PE-IG-DN-15	PE	IG	15	20	360	4969051
SRMK-PE-IG-DN-20			20	25	360	4969045
SRMK-PE-IG-DN-25			25	32	390	4969046
SRMK-PE-IG-DN-32			32	40	405	4969047
SRMK-PE-IG-DN-40			40	50	460	4969048
SRMK-PE-IG-DN-50			50	63	475	4969039
SRMK-PE-IG-DN-65			65	75	610	4969050
Type:	Material:	Connection:	Nominal diameter:	Diameter:	Installation length:	Item number:
Made of PVC, with flange (FL)			DN	DA	mm	
SRMK-PVC-FL-DN-15	PVC	FL	15	20	360	4969010
SRMK-PVC-FL-DN-20			20	25	360	4969011
SRMK-PVC-FL-DN-25			25	32	390	4969012
SRMK-PVC-FL-DN-32			32	40	405	4969013
SRMK-PVC-FL-DN-40			40	50	460	4969014
SRMK-PVC-FL-DN-50			50	63	475	4969015
SRMK-PVC-FL-DN-65			65	75	610	4969016
SRMK-PVC-FL-DN-80			80	90	750	4969017
SRMK-PVC-FL-DN-100			100	110	900	4969018
SRMK-PVC-FL-DN-125			125	140	1000	4969019
SRMK-PVC-FL-DN-150			150	160	1000	4969080
Type:	Material:	Connection:	Nominal diameter:	Diameter:	Installation length:	Item number:
Made of PP, with flange (FL)			DN	DA	mm	
SRMK-PP-FL-DN-15	PP	FL	15	20	360	4969020
SRMK-PP-FL-DN-20			20	25	360	4969021
SRMK-PP-FL-DN-25			25	32	390	4969022
SRMK-PP-FL-DN-32			32	40	405	4969023
SRMK-PP-FL-DN-40			40	50	460	4969024
SRMK-PP-FL-DN-50			50	63	475	4969025
SRMK-PP-FL-DN-65			65	75	610	4969026
SRMK-PP-FL-DN-80			80	90	750	4969027
SRMK-PP-FL-DN-100			100	110	900	4969028
SRMK-PP-FL-DN-125			125	140	1000	4969029
SRMK-PP-FL-DN-150			150	160	1000	4969030
Type:	Material:	Connection:	Nominal diameter:	Diameter:	Installation length:	Item number:
Made of PE, with flange (FL)			DN	DA	mm	
SRMK-PE-FL-DN-15	PE	FL	15	20	360	4969034
SRMK-PE-FL-DN-20			20	25	360	4969035
SRMK-PE-FL-DN-25			25	32	390	4969036
SRMK-PE-FL-DN-32			32	40	405	4969037
SRMK-PE-FL-DN-40			40	50	460	4969038
SRMK-PE-FL-DN-50			50	63	475	4969039
SRMK-PE-FL-DN-65			65	75	610	4969040
SRMK-PE-FL-DN-80			80	90	750	4969041
SRMK-PE-FL-DN-100			100	110	900	4969042
SRMK-PE-FL-DN-125			125	140	1000	4969043
SRMK-PE-FL-DN-150			150	160	1000	4969044

1.9.2.

DOSA Tec Static line mixer **SRME** made of stainless steel

Line mixer for media free of solid particles.



Product description:

- Mixing insert consisting of a slit helical structure
- The system works without any moving parts
- Operating temperatures:
 - Stainless steel (1.4301) up to nominal pressure PN 10, at a media Temperature of 20 °C (68 °F)
- Stainless steel (1.4751) on request

Areas of application:

- Intense mixing of two liquid media (without solids) while flowing.

Scope of supply:

- **DOSA Tec SRME** static line mixer, made of stainless steel

Ordering data:

Type: Made of stainless steel, with male thread (AG)	Material:	Connection:	Nominal diameter: DN	Installation length: mm	Item number:
SRME-SS-AG-DN-15	Stainless steel	AG	15	360	4969155
SRME-SS-AG-DN-20			20	360	4969156
SRME-SS-AG-DN-25			25	390	4969157
SRME-SS-AG-DN-32			32	405	4969158
SRME-SS-AG-DN-40			40	460	4969159
SRME-SS-AG-DN-50			50	475	4969170
Type: Made of stainless steel, with female thread (IG)	Material:	Connection:	Nominal diameter: DN	Installation length: mm	Item number:
SRME-SS-IG-DN-15	Stainless steel	IG	15	360	4969055
SRME-SS-IG-DN-20			20	360	4969056
SRME-SS-IG-DN-25			25	390	4969057
SRME-SS-IG-DN-32			32	405	4969058
SRME-SS-IG-DN-40			40	460	4969059
SRME-SS-IG-DN-50			50	475	4969060
Type: Made of stainless steel, with flange (FL)	Material:	Connection:	Nominal diameter: DN	Installation length: mm	Item number:
SRME-SS-FL-DN-15	Stainless steel	FL	15	360	4969070
SRME-SS-FL-DN-20			20	360	4969071
SRME-SS-FL-DN-25			25	390	4969072
SRME-SS-FL-DN-32			32	405	4969073
SRME-SS-FL-DN-40			40	460	4969074
SRME-SS-FL-DN-50			50	475	4969075
SRME-SS-FL-DN-65			65	610	4969076
SRME-SS-FL-DN-80			80	750	4969077
SRME-SS-FL-DN-100			100	900	4969078

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
14.02.2017

1.9.3.

DOSA*Tec* Static line mixer FSHM

Line mixer for media containing solids.



Product description:

- Mixing insert consisting of baffle plates
- Material: PE, stainless steel
- The system works without any moving parts
- Operating temperatures: max. 60 °C
- max. operating pressure: up to nominal pressure PN 10

Areas of application:

- Intense mixing of two liquid media containing solids, while flowing.

Scope of supply:

- DOSA*Tec* FSHM static line mixer

Ordering data:

Type:	Material:	Connection:	Nominal diameter:	Installation length:	Item number:
Made of PP, with loose flange (FL)	PP	FL	DN	mm	
FSHM-PP-FL-DN-50			50	475	4969130
FSHM-PP-FL-DN-65			65	610	4969131
FSHM-PP-FL-DN-80			80	750	4969132
FSHM-PP-FL-DN-100			100	900	4969133
Type:	Material:	Connection:	Nominal diameter:	Installation length:	Item number:
Made of PE, with loose flange (FL)	PE	FL	DN	mm	
FSHM-PE-FL-DN-50			50	475	4969140
FSHM-PE-FL-DN-65			65	610	4969141
FSHM-PE-FL-DN-80			80	750	4969142
FSHM-PE-FL-DN-100			100	900	4969143
Type:	Material:	Connection:	Nominal diameter:	Installation length:	Item number:
Made of stainless steel, with fixed flange	Stainless steel VA	FL	DN	mm	
FSHM-VA-FL-DN-50			50	475	4969160
FSHM-VA-FL-DN-65			65	610	4969161
FSHM-VA-FL-DN-80			80	750	4969162
FSHM-VA-FL-DN-100			100	900	4969163