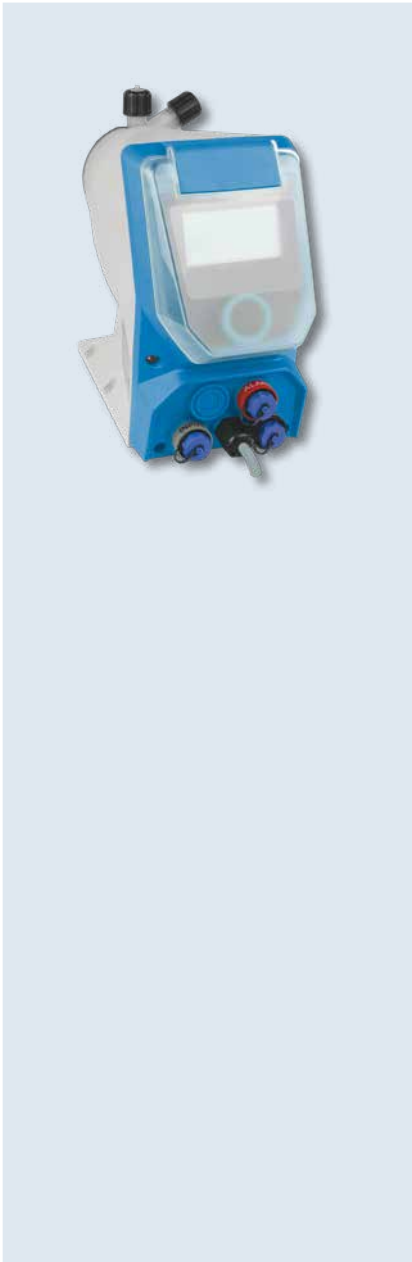


DOSA *Tec* PRISMA stepper motor-driven diaphragm dosing pump



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

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

Viton® ist das eingetragene Warenzeichen von DuPont Dow Elastomer.

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: 8 x 12	4013126						
	50	4				discharge side: 8 x 10	4013127					
	80	2				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: 8 x 12	4013146				
	50	4						discharge side: 8 x 10	4013147			
	80	2						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: 8 x 12	4013166		
	50	4								discharge side: 8 x 10	4013167	
	80	2								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: 8 x 12	4013186								
	50	4		discharge side: 8 x 10							4013187	
80	2	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: 8 x 12	4013206						
	50	4				discharge side: 8 x 10					4013207	
80	2	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				
	5	20				
	7,5	16				
	13	10				
	20	7				
	28	5				
	50	4				
80	2					
					suction side: 8 x 12 discharge side: 8 x 10	
					4 x 6	
					6 x 8	
					suction side: 8 x 12 discharge side: 8 x 10	

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