

## 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

### 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:
<b>AMS Plus</b> PVDF/Viton® ( <b>AMS Plus</b> dosing pump with PVDF pump head and Viton® seals.)	5	25	120	<b>Suction side:</b> 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	3813740
	10	15			3813741
	20	7			3813742
	40	3			3813743
	60	2			3813744
				<b>Discharge side:</b> 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	

Viton® is a registered trademark of DuPont Dow Elastomer.

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

**Ordering data:**

Model:	Dosing capacity: l/h	Pressure range: bar	Max. stroke frequency: 1/min	Hose connection: mm	Item No:
<b>AMS Plus</b> PVDF/EPDM (AMS Plus dosing pump with PVDF pump head and EPDM seals.)	5	25	120	<b>Suction side:</b> 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  <b>Discharge side:</b> 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	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:
<b>AMS Plus</b>	5	25	L
	10	15	M
	20	7	N
	40	3	S
	60	2	T