

## DOSA Tec 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

### 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 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:
<b>AMS Digital MF</b> PVDF/Viton® (AMS Digital MF 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  <b>Discharge side:</b> 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.

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 Digital MF</b> PVDF/EPDM ( <b>AMS Digital MF</b> 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 5/25 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

**Options:**

Model:	Item No:
PP pump heads <b>L</b> and <b>LA</b>	8713130
PP pump heads <b>M</b> and <b>MA</b>	8613003
PP pump heads <b>N</b> and <b>NA</b>	8613000
PP pump heads <b>S</b> and <b>SA</b>	8613001
PP pump heads <b>T</b> and <b>TA</b>	8613002
Stainless steel <b>AISI 316</b> pump head <b>Li</b>	8913160
Stainless steel <b>AISI 316</b> pump head <b>Mi</b>	8913165
Stainless steel <b>AISI 316</b> pump head <b>Ni</b>	8913170
Stainless steel <b>AISI 316</b> pump head <b>Si</b>	8913175
Stainless steel <b>AISI 316</b> pump head <b>Ti</b>	8913180
Acrylic pump head <b>L</b>	8913130
Acrylic pump head <b>M</b>	8913135
Acrylic pump head <b>N</b>	8913140
Acrylic pump head <b>S</b>	8913145
Acrylic pump head <b>T</b>	8913150
PVDF hose for <b>AMS</b> pump series, <b>5.0 l/h, AMSA 3.2 l/h*</b>	8713050
PVDF hose for <b>AMS</b> pump series, <b>10.0 l/h, AMSA 6.0 l/h*</b>	8713055
PVDF hose for <b>AMS</b> pump series, <b>20.0 l/h, AMSA 13.0 l/h*</b>	8713060
PVDF hose for <b>AMS</b> pump series, <b>40.0 l/h, AMSA 30.0 l/h*</b>	8713065
PVDF hose for <b>AMS</b> pump series, <b>60.0 l/h, AMSA 38.5 l/h*</b>	8713070
Acrylic pump head <b>LPV L</b> up to <b>8000 cPs</b>	8913310
Acrylic pump head <b>LPV M</b> up to <b>8000 cPs</b>	8913311
Acrylic pump head <b>LPV N</b> up to <b>8000 cPs</b>	8913312
Acrylic pump head <b>LPV S</b> up to <b>8000 cPs</b>	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:
<b>AMS Digital MF</b>	5	25	<b>L</b>
	10	15	<b>M</b>
	20	7	<b>N</b>
	40	3	<b>S</b>
	60	2	<b>T</b>