

## 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

### 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:
<b>KMS MF</b> PVDF/Viton® ( <b>KMS MF dosing pump</b> with PVDF pump head and Viton® seals.)	2	18	180	<b>Suction side:</b> PVC 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
				<b>Discharge side:</b> PVDF hose, 4 x 6 from 18   2 up, 6 x 8	

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:
<b>KMS MF</b> PVDF/EPDM (KMS MF dosing pump with PVDF pump head and EPDM seals.)	2	18	180	<b>Suction side:</b> PVC hose, 4 x 6 from 18   2 up, 6 x 8  <b>Discharge side:</b> PVDF 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

**Options:**

Model:	Item No:
<b>PP</b> pump heads <b>L</b> and <b>LA</b>	8713130
<b>PP</b> pump heads <b>M</b> and <b>MA</b>	8613003
<b>Stainless steel AISI 316</b> pump head <b>li</b>	8913185
<b>Stainless steel AISI 316</b> pump head <b>Li*</b>	8913160
<b>Stainless steel AISI 316</b> pump head <b>Mi*</b>	8913165
<b>Acrylic</b> pump head <b>I</b>	8913030
<b>Acrylic</b> pump head <b>L</b>	8913130
<b>Acrylic</b> pump head <b>M</b>	8913135
<b>Acrylic</b> pump head <b>LPV L up to 8000 cPs</b>	8913310
<b>Acrylic</b> pump head <b>LPV M up to 8000 cPs</b>	8913311
<b>PVDF</b> hose for <b>K, KA, KMS</b> and <b>KMSA</b> pump series <b>4 x 6</b> mm	8713075
<b>PVDF</b> hose for <b>K, KA, KMS</b> and <b>KMSA</b> pump series <b>6 x 8</b> 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:
<b>KMS MF</b>	2	18	<b>L</b>
	4	15	<b>L</b>
	5	10	<b>L</b>
	8	8	<b>L</b>
	10	5	<b>L</b>
	18	2	<b>M</b>