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**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<sup>®</sup>, 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

**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:<br>l/h | Pressure range:<br>bar | Max. stroke<br>frequency: 1/min | Hose connection:<br>mm  | Item No: |
|---|-------------------------|------------------------|---------------------------------|---|----------|
| <b>KMS RH</b> PVDF/Viton <sup>®</sup><br>( <b>KMS RH</b> dosing pump with PVDF pump head and Viton <sup>®</sup> seals.) | 1                       | 5                      | 180                             | <b>Suction side:</b><br>PVC hose, 4 x 6<br>from 18   2 up, 6 x 8<br><br><b>Discharge side:</b><br>PVDF hose, 4 x 6<br>from 18   2 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  |

Viton<sup>®</sup> is a registered trademark of DuPont Dow Elastomer.

**Ordering data:**

| Model:  | Dosing capacity:<br>l/h | Pressure range:<br>bar | Max. stroke<br>frequency: 1/min | Hose connection:<br>mm  | Item No: |
|---|-------------------------|------------------------|---------------------------------|---|----------|
| <b>KMS RH</b> PVDF/EPDM<br>( <b>KMS RH</b> dosing pump<br>with PVDF pump head<br>and EPDM seals.) | 1                       | 3                      | 180                             | <b>Suction side:</b><br>PVC hose, 4 x 6<br>from 18   2 up, 6 x 8<br><br><b>Discharge side:</b><br>PVDF hose, 4 x 6<br>from 18   2 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  |

**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:<br>l/h | Pressure range:<br>bar | Pump head: |
|---------------|-------------------------|------------------------|------------|
| <b>KMS RH</b> | 1                       | 5                      | I          |
|               | 1                       | 20                     | I          |
|               | 2                       | 18                     | L          |
|               | 4                       | 15                     | L          |
|               | 5                       | 10                     | L          |
|               | 8                       | 8                      | L          |
|               | 10                      | 5                      | L          |
|               | 18                      | 2                      | M          |