

## DOSA Tec Solenoid-driven diaphragm dosing pump **KMSA RH**

Self-venting solenoid-driven diaphragm dosing pump for precise dosing of liquid media.



### Product description:

- Capacity: 0 – 13 l/h
- pressure range: 0 – 20 bar
- Pump head material: PVDF
  - option: PP, acrylic
- Seals material: Viton®, EPDM
- Diaphragm material: PTFE
- Power supply: 230 V AC
- Alternative power supply: 115 VAC  
(24 V AC, 12 VDC, 24 VDC available on request)
- Suitable for mounting on a base
- Manual stroke length adjustment 0/25 – 100 %
- Inputs:
  - Level control
  - External dosing start
  - Direct redox control, 0 to -1000 mV
- Output (optional) for alarm output
- Modes:
  - Proportional to the measured value, or On/Off
  - 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 **KMSA 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>KMSA RH</b> PVDF/Viton®<br>( <b>KMSA RH</b> dosing pump<br>with PVDF pump head<br>and Viton® seals) | 0.5                     | 10                     | 180                             | <b>Suction side:</b><br>PVC hose 4 x 6<br>from 13/2 l/h up 6 x 8    | 3913700  |
|  | 1.0                     | 18                     |                                 |   | 3913701  |
|  | 3.0                     | 15                     |                                 |   | 3913702  |
|  | 5.5                     | 8                      |                                 |   | 3913703  |
|  | 7.5                     | 5                      |                                 |   | 3913704  |
|  | 13.0                    | 2                      |                                 |   | 3913705  |
|  |                         |                        |                                 | <b>Discharge side:</b><br>PVDF hose 4 x 6<br>from 13/2 l/h up 6 x 8 |          |

Viton® 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: mm   | Item No: |
|---|-------------------------|------------------------|---------------------------------|---|----------|
| <b>KMSA RH</b> PVDF/EPDM<br>(KMSA RH dosing pump<br>with PVDF pump head<br>and EPDM seals.) | 0.5                     | 10                     | 180                             | <b>Suction side:</b><br>PVC hose 4 x 6<br>from 13/2 l/h up 6 x 8<br><br><b>Discharge side:</b><br>PVDF hose 4 x 6<br>from 13/2 l/h up 6 x 8 | 3913710  |
|   | 1.0                     | 18                     |                                 |   | 3913711  |
|   | 3.0                     | 15                     |                                 |   | 3913712  |
|   | 5.5                     | 8                      |                                 |   | 3913713  |
|   | 7.5                     | 5                      |                                 |   | 3913714  |
|   | 13.0                    | 2                      |                                 |   | 3913715  |

**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  |
| Acrylic pump head IA                                | 8713100  |
| Acrylic pump head LA                                | 8713101  |
| Acrylic pump head MA                                | 8713102  |
| 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  |

**Pump heads:**

| Model:         | Dosing capacity:<br>l/h | Pressure range:<br>bar | Pump head: |
|----------------|-------------------------|------------------------|------------|
| <b>KMSA RH</b> | 0.5                     | 10                     | IA         |
|                | 1.0                     | 18                     | IA         |
|                | 3.0                     | 15                     | LA         |
|                | 5.5                     | 8                      | LA         |
|                | 7.5                     | 5                      | LA         |
|                | 13.0                    | 2                      | MA         |