

DOSING PUMP FOR LIQUIDS

SIMDOS 10



- ▶ Simple and intuitive operation
- ▶ Easy calibration
- ▶ Adaptable to fluid characteristics
- ▶ Self priming, can run dry
- ▶ Analog and impulse control (RC)
- ▶ Splashproof IP65S
- ▶ Small footprint



Fields of application

- Chemistry
- Synthetic organic chemistry
- Pharmacology
- Solvents for adhesives and glue
- Polymers & polymer coating
- Food technology research
- Detergents

Hydraulic data

| Flow rate | Dosing volume | Suction height | Max pressure |
|----------------|---------------|----------------|--------------|
| 1 - 100 ml/min | 1 - 999 ml | 3 mWg | 6 bar |

Chemical resistance

| Code | Pump head | Diaphragm | Valves | Filter ¹⁾ |
|------|-----------------|--------------|----------------------------|----------------------|
| KT | PP | PTFE covered | FFKM Kalrez [®] | PEEK |
| TT | PVDF | PTFE covered | FFKM Kalrez [®] | PVDF |
| FT | PTFE | PTFE covered | FFKM Kalrez [®] * | PEEK |
| ST | STAINLESS STEEL | PTFE covered | FFKM Kalrez [®] | PEEK |

1) *On request FFKM Chemraz[®] material for housing and filter mesh

Functions

| S Version | RC Version | RCP Version |
|--|---|---|
| <ul style="list-style-type: none"> • Manual operation | <ul style="list-style-type: none"> • Manual operation • Analog control: 0-5 V, 0-10 V, 0-20 mA, 4-20 mA, from 1 to 100% • Start/Stop through logic control (TTL) | <ul style="list-style-type: none"> • Reset/Prime through logic control (TTL) • Output signal fault alarm • Cable for external control included |
| | | <ul style="list-style-type: none"> • Same as RC • Plus RS 232 |

Technical data

- Main supply 100 - 240 V / 50 - 60 Hz
- Allowed ambient temperature +5 to +40° C
- Allowed liquid temperature +5 to +80° C
- Maximum viscosity allowed 150 cSt
- Accuracy +/-2% (nominal value)
- Repeatability +/-1%
- Power consumption 24 W
- Protection class IP65
- Dimensions: 150 x 93 x 144 mm
- Weight: 0.9 kg
- Hydraulic connection: compression fittings for 4/6 mm tube

ACCESSORIES

Valves Kit

| | ID-Nr. |
|--|--------|
| Chemraz® special valves for certain chemicals | 168037 |



Special Valves CHEMRAZ®

Diaphragm pressure control valve with support when the feeding tank is above the pump or to dose into vacuum

| | ID-Nr. |
|----------------|--------|
| Kit FDV 30 KTZ | 166283 |
| Kit FDV 30 TTZ | 166284 |
| Kit FDV 30 FTZ | 166285 |



Filter

| Typ | Material ¹⁾ | Connector | ID-Nr. |
|---------|------------------------|---------------------------|--------|
| FS 25 T | PVDF | for tubes ID 3.2 and 4 mm | 165211 |
| FS 25 X | PEEK | for tubes ID 3.2 and 4 mm | 165213 |

¹⁾ material for housing and filter mesh



Pulsation damper only use in continuous transfer mode from 30 to 100 ml/min

| | ID-Nr. |
|------------------|--------|
| FPD 10 KT SIMDOS | 167817 |
| FPD 10 TT SIMDOS | 167818 |
| FPD 10 FT SIMDOS | 167819 |



Mounting plate

| | ID-Nr. |
|-------------------|--------|
| for wall mounting | 160473 |



Standfitting

| | ID-Nr. |
|------------------|--------|
| for retort stand | 160474 |



Footswitch

| | ID-Nr. |
|----------------------------|--------|
| for impulse start and stop | 155872 |



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