

DOSING PUMP FOR LIQUIDS

SIMDOS 02



- Simple and intuitive operation
- Easy calibration
- Cycle mode
- Adaptable to fluid characteristics
- Self priming, can run dry
- Analog and impulse control (RC)
- Splashproof IP65
- Small footprint

Fields of application

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

Hydraulic data

| Flow rate | Dosing volume | Suction height | Max. pressure |
|---------------------|---------------|----------------|---------------|
| 30 µl/min–20 ml/min | 30 µl–999 ml | 2 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 | FFKM | FFKM Kalrez [®] * | PEEK |
| ST | STAINLESS STEEL | PTFE covered | FFKM Kalrez [®] * | PEEK |

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

Functions

| S Version | RC Version | RC Plus 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 |

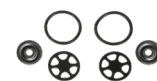
Technical data

- Main supply 100–240 V / 50–60 Hz
- Ambient temperature allowed +5 to +40 °C
- Liquid temperature allowed +5 to +80 °C
- Maximum viscosity allowed 150 cSt
- Accuracy +/-2% (nominal value)
- Repeatability +/-1%
- Power consumption 10 W
- Protection class IP65
- Dimensions: 150 x 93 x 144
- Weight: 0.9 kg
- Hydraulic connection UNF 1/4"-28

ACCESSORIES

Valves kit

| | ID-Nr. |
|--|--------|
| Chemraz® special valves for certain chemicals | 164984 |



Special Valves CHEMRAZ®

Diaphragm pressure control valve with support when the feeding tank is above the pump

| | ID-Nr. |
|-----------------|--------|
| Kit JFDV 30 KTZ | 166286 |
| Kit JFDV 30 TTZ | 166287 |
| Kit JFDV 30 FTZ | 166288 |



Filter

| Typ | Material ¹⁾ | Connector | ID-Nr. |
|---------|------------------------|-------------|-----------------|
| FS 60 T | PVDF | UNF 1/4"-28 | 165210 |
| FS 60 X | PEEK | UNF 1/4"-28 | 323625 (1 pc) |
| FS 60 X | PEEK | UNF 1/4"-28 | 323626 (10 pcs) |

¹⁾ material for housing and filter mesh



Connection tube

| | ID-Nr. |
|--|--------|
| Tube 1/16" with connector UNF 1/4"-28, 1 m for fine dosing | 166335 |



Mounting plate

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



Standfitting

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



Footswitch

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

