# CHEMICAL-RESISTANT DIAPHRAGM DOSING PUMPS KNF SIMDOS®


the chemically-resistant, microprocessor-controlled SIMDOS diaphragm metering pumps meter the smalles volumes continuously and evenly. Thanks to a special drive technology, these pumps feature a remarkably wide metering range. A knob makes it easy to vary the pumping function.

- Intuitive operation
- Adaptable to fluid characteristics
- Analog and impulse control
  - Analog control: 0-10 V, 0-20 MA, 4-20 mA from 0 to 100 %
  - Start/Stop through logic control (TTL)
  - Reset/prime through logic control (TTL)
  - Output signal (i.e. the end of cycle)
- Pause function without data loss
- Chemically-resistant versions
- Self priming
- Dry running
- Low maintenance
- Small footprint
- Supplied with software and PC cable

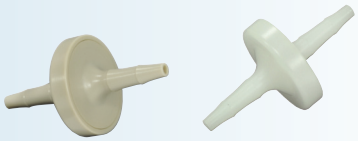
### Specification Simdos10:

| | |
|---|---|
| Flow rate: | 1-100 ml/min |
| Pressure head: | 60 mWg (6 bar) |
| Suction head: | 3 mWg |
| Time metering: | 1s - 99h 59 min (manual) |
| Mains: | 100-240 V 50/60 Hz |
| Permissible liquid temp: | +5...+80°C |
| Permissible ambient temp: | +5...+40°C |
| Max. viscosity allowed: | up to 150 cSt (reduced performance up to 500 cSt) |
| Accuracy: | ± 2% |
| Repeatablity: | ± 1% |
| Motor protection: | IP 65 (splash proof) |
| Weight: | 0,9 kgs |
| Dimensions LxWxH: | 134x93x145 mm |

| Code | Description |
|---|---|
| KNF 159995/160157 | KNF SIMDOS®10 Diaphragm Dosing Pump FEM 1.10 KT.18RC, Pump head: **PP** suitable for aqueos solutions and beases |
| KNF 159997/160157 | KNF SIMDOS®10 Diaphragm Dosing Pump FEM 1.10 TT.18RC, Pump head: **PVDF** suitable for medium acid concentrations |
| KNF 159998/160157 | KNF SIMDOS®10 Diaphragm Dosing Pump FEM 1.10 FT.18RC, Pump head: **PTFE** suitable for high acid concentrations and solvents |

### Accessories:

| Code | Description |
|---|---|
| KNF 155872 | Footswitch Impuls |
| KNF 160473 | Wall fixture |
| KNF 160474 | Column fixture |



The below KNF filters protect both pumps and other upstream instrumentation and hydraulic circuits against particulate, crystals and fibres which can impede optimum operation.
The use of PVDF and PEEK provides compatibility with a wide range of neutral, agressive and corrosive liquids, particularly those used in laboratories such as acids, bases, solvents, alcohols and oils.

| Code | Description |
|---|---|
| KNF 165211 | In-Line Filter FS 25 TZ, Material PVDF Mesh 70 µm, Max flow rate 250 ml/min |
| KNF 165213 | In-Line Filter FS 25 XZ, Material PEEK Mesh 35 µm, Max flow rate 250 ml/min |