

Verderdos

VE1-RX Redox solenoid dosing pump



Description

The VE1-RX is a proportional dosing pump, digital adjustable, with built in Redox controller. The VE1-Rx pump is excellent for dispensing chlorine. Available as wall mounted pump or on foot.

Your benefits

- Automatic recognition of the efficiency of the RX probe
- Suitable for dispensing chlorine oxidizing and deoxidizing products from software
- Programmable in the entire range of 0-999 mV Redox
- Proportional range setting
- PVDF pump head, optional PP
- Manual bleed valve
- Protection glass IP 65
- SCHUKO plug
- On/off switch

Materials

| Materials | Standard | Optional |
|------------------|-----------------------|------------------------|
| Pump Head | PVDF | PP |
| Balls | Pyrex | Ceramics, PTFE, SS 316 |
| Diaphragm | PTFE | - |
| Fittings | PVDF 1/2" | PP 1/2" |
| Seals | FPM | EPDM |
| Valve cartridges | PVDF 4 x 6 | PP 4 x 6 |
| Foot filter | PVDF 4 x 6 ball valve | PP 4 x 6 lip valve |
| Injection valve | PVDF 4 x 6 ball valve | PP 4 x 6 ball valve |
| Suction tube | PVC 4 x 6 | PVDF |
| Delivery tube | PE 4 x 6 | PVDF |

Optional

- Consent to the dosage
- Level probe
- Overdose alarm

| | PTFE BALLS | SS 316 BALLS | PYREX BALLS | CERAMIC BALLS |
|------------------------|---|--|--|--|
| Material | PTFE | SS 316 | DURAN – PYREX | AL ² O ³ |
| Hardness | 60 (D) | 1407160 HB | ± 45 HRC | ± 45 HRC |
| Specific weight | 2.10 g/cm ³ | 8.02 g/cm ³ | 2.23 g/cm ³ | 3.90 g/cm ³ |
| Description | Resistant to most of oxidizing chemicals, inorganic salt solutions, hydrocarbons. Non-conductive. | Spheres with resistance to corrosion caused by chemical solutions oxidants, organic chemicals, sterile solutions, mineral water and sea water, ammonia, salt air, etc. | Spheres with excellent chemical inertness to most acids. Excellent for use in metering pumps and valves in contact with strong oxidizing concentrations. | Resistant to most corrosive agents. Not recommended for use with hydrochloric acid and hydrofluoric acid solutions. Maximum abrasion resistance. |

Technical data

| | Max l/h | Pressure bar | Max cc | Max operating temp °C | Stroke mm | Solenoid ø | pump head material | Power c Watt | Pulses ppm | Weight kg |
|----------|---------|--------------|--------|-----------------------|-----------|------------|--------------------|--------------|------------|-----------|
| 1.5 - 12 | 1.5 | 12 | 0.14 | 65 | 0.9 | 80 | PVDF | 50 | 180 | 3.5 |
| 02 - 11 | 2 | 11 | 0.18 | 65 | 0.9 | 80 | PVDF | 50 | 180 | 3.5 |
| 04 - 09 | 4 | 9 | 0.37 | 65 | 0.9 | 80 | PVDF | 50 | 180 | 3.5 |
| 05 - 08 | 5 | 8 | 0.46 | 65 | 1.1 | 80 | PVDF | 50 | 180 | 3.5 |
| 07 - 05 | 7 | 5 | 0.65 | 65 | 1.1 | 80 | PVDF | 50 | 180 | 3.5 |
| 08 - 04 | 8 | 4 | 0.74 | 65 | 1.3 | 80 | PVDF | 50 | 180 | 3.5 |
| 10 - 02 | 10 | 2 | 0.92 | 65 | 1.3 | 80 | PVDF | 50 | 180 | 3.5 |
| 15 - 0.5 | 15 | 0.5 | 1.39 | 65 | 1.3 | 80 | PVDF | 50 | 180 | 3.5 |

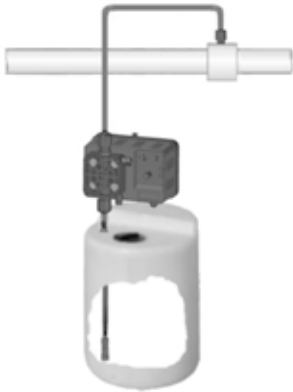
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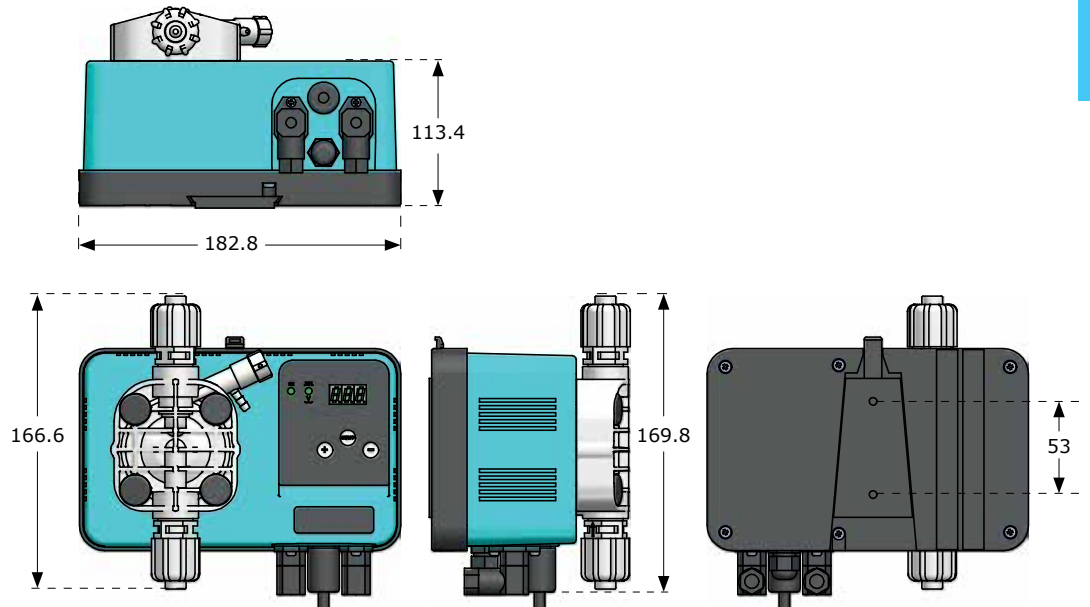


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Installation example



Dimensions (in mm)



Standard installation kit

| Injection valve | PVDF foot filter with ball valve | Delivery tube 2 m PE 4x6 | Suction tube 2 m PVC 4x6 | Bleed tube 1.5 m PVC 4x6 |
|-----------------|----------------------------------|--------------------------|--------------------------|--------------------------|
| | | | | |

Accessories

- Probes (ph/Redox/Chlorine Cells)
- Probe holders
- Suction lances
- Mixers
- Tanks & bunds
- Water Meters

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Find your local supplier
at www.verderdos.com

For construction, installation and mounting drawings
please contact your local authorised Verderdos distributor.

VERDER
passion for pumps

