

Verderdos

VE1-I solenoid dosing pump



Description

The Verderdos solenoid diaphragm dosing pump, model VE1-I is especially suitable for accurate and reliable dosing of chemicals in water treatment applications. The "I" version is an electromagnetic dosing pump, that is pumping proportional from pulses received from a water meter. Dosing function 1/n or 1xn, multiple dosing with memory function. Free programmable. Protection class IP 65. Available as wall mounted pump or on foot.

Your benefits

- Digital proportional flow rate dosing pump to an external pulse device
- Dual working mode, either constant or proportional
- 1/n or 1xn multiplier function
- Easy to install and maintain
- Digital display
- Standard PVDF wetted parts to assure best chemical resistance
- Standard supplied with 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

- Level switch

	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.

Verderdos

VE1-I solenoid dosing pump

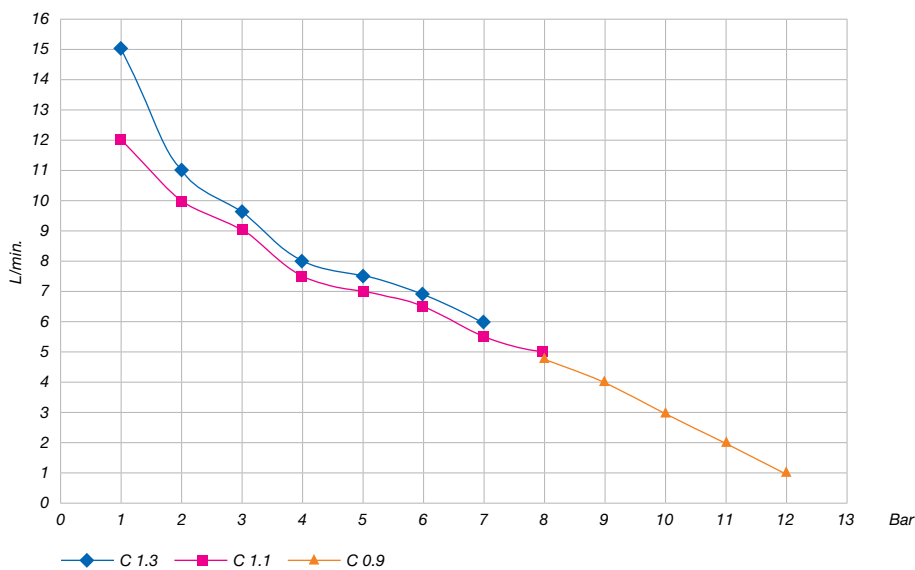


VERDERDOS

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

Performance curve



Verderdos

VE1-I solenoid dosing pump

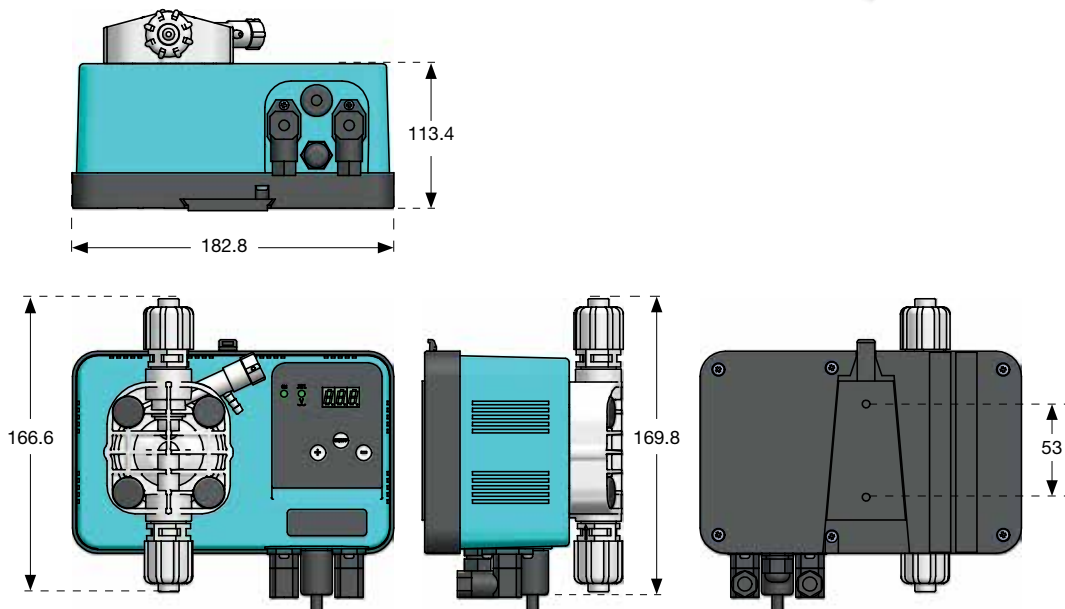
VERDERDOS



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

Find your local supplier at www.verderdos.com

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

VERDER
passion for pumps

dos_VE1-I_2017_rev2_UK-(uk)

