

CHEWATEC VDS II

UNIVERSAL DOSING WITH PERFORMANCE



50 – 400 l/h

Motor-driven diaphragm metering pump

VDS II – Standard metering pumps

CHEWATEC VDS II

CHEWATEC VDS II pumps are compact, consume less power, offer high accuracy and reflect the high quality standards of the company.

VDS II pumps are available up to capacity of 400 l/h. These pumps are available in nine different capacities.

Diaphragm of the pump DEVELOPAN® is made of high quality fabric reinforced EPDM with molded in steel core and the media contacted side is coated with Teflon.

The pumps use worm gear reduction and the performance of the motors used is 0,2 or 0,3 kW depending on the model. These are suitable for a power supply of 420 Volts, 3 Phase, 50 Hz and can also be offered to suit other specifications.

The liquid ends can be offered in PVC, Polypropylene depending upon the chemical.

Features

- Stroke length 2mm, 4mm or 6mm
- Stroke length adjustment range 0 –100%
- 2 gear reduction ratios
 - 2 metering head sizes
 - 2 metering head materials as standard (PP, PVC)
- Flexible adjustment of delivery rate via stroke length in 0-100% increments
- Robust aluminum housing
- Drive can be supplied with three-phase standard motor

Technical Information

- **Capacity range:** 50 – 400 l/h
- Backpressure: 5 bar
- IP protection: IP65
- Stroke length: 0 – 100%
(2/4/6 mm)
- Material: PP, PVC

Advantages

- Good suction capacity – controlled metering stroke and consistently precise metering
- High process quality: metering reproducibility better than $\pm 2\%$ in the stroke length adjustment range from 30 % to 100%
- Flexible adjustment of delivery rate
- A variety of configurations that enable the pump to be ideally matched to the respective metering task

Areas of application

- Chemical metering in drinking water, cooling water and waste water circuits
- Metering of additives, flocculants, etc.

MATERIAL VERSIONS

Type	Dosing Head	Suction/Discharge Valve	Seals	Balls	Ball seat
PCE	PVC	PVC	EPDM	Borosilicate glass	PVC
PCB	PVC	PVC	FPM	Borosilicate glass	PVC
PPE	PP	PP	EPDM	Borosilicate glass	PP
PPB	PP	PP	FPM	Borosilicate glass	PP

CHEWATEC VDS I

CHEWATEC ACCESSORIES



Foot Valve

With suction filter and non-return ball for connecting to suction line



Injection valve

With spring-loaded non-return ball for metering into open and closed systems



Injection lance

For metering into large pipes, when handling crystallizing media



Suction lance

With foot valve and level switch, for non-returnable containers or metering tanks.

CAPACITY DATA

Type	With 1500 rpm motor at 50 Hz Pump Capacity at max. back pressure				Suction lift mW	Perm. prepressure suction side bar	Connection suction/discharge side G-DN
	bar	l/h	ml/stroke	strokes/min			
10030	10	30	6,5	76	1,5	1,0	1 1/4" - 20
05050	5	50	7,2	115	1,5	1,0	1 1/4" - 20
05065	5	65	7,2	150	1,5	1,0	1 1/4" - 20
05090	5	90	13,0	115	1,5	1,0	1 1/4" - 20
05120	5	120	13,3	150	1,5	1,0	1 1/4" - 20
05200	5	200	29,0	115	1,5	1,0	1 1/4" - 20
05260	5	260	29,0	150	1,5	1,0	1 1/4" - 20
05300	5	300	43,5	115	1,5	1,0	1 1/4" - 20
05400	5	400	44,4	150	1,5	1,0	1 1/4" - 20

INSTALLATION DIMENSIONS

Dimensions in mm

