

## SUPER DOSE SOLENOID DOSING PUMP



The super dose is a micro-processor controlled short-stroke solenoid operated diaphragm type metering liquid .

Metering is based on a pulsating action. For each pulse coming from the electronic control , the solenoid energizes and completes a stroke .

The diaphragm stabilized by a steel core displaces the medium , In the liquid end the ball on the intake side are pressed against their seat while the ball on the delivery side open , thus releasing the medium for metering.

The solenoid is deactivated on completion of the stroke and returned to its initial position by a spring .In so doing the valve on the delivery end closes while the valve on the intake side opens so as to draw medium into the liquid end.

The solenoid operated diaphragm type metering pump covers a capacity range from approx 0.7 to 23 l/h (liter specifications at max. stroke length and max . stroke rate ) at a max. back pressure of 1.5 bar to 16 bar .

Electrical connection is 220 ± 10 % 50 Hz 16 w @ 120 stroke/min and 18 w @ 180 stroke / min . Metering reproducibility ± 2 % ( under constant conditions stroke \ length > 30 % )

Accessories : complete with metering & foot valve 2 m PVC intake & 5 m PE discharge pipes

Pump type	Pump capacity		ml/stroke	Stroke rate strokes/min	Size of connection Ø x Ø mm	Weight of shipment ca.kg
	Pressure bar	max.capacity l/h				
1601	16	1.0	0.14	120	6x4	2.5
1202	12	1.7	0.24	120	6x4	2.5
0803	8	3.4	0.48	120	6x4	2.5
1002	10	2.3	0.32	120	8x5	2.7
0308	3	8.4	1.17	120	8x5	2.7
0215	1.5	14.8	2.05	120	12x9	2.9
1602	16	1.5	0.14	180	6x4	2.5
1203	12	2.5	0.24	180	6x4	2.5
0806	8	5.3	0.48	180	6x4	2.5
1003	10	3.4	0.31	180	8x5	2.7
0313	3	13.0	1.20	180	8x5	2.7
0223	1.5	23.0	2.13	180	12x9	2.9

### LIQUID END MATERIAL :

Liquid End	Suction / Discharge Connector	Seals	Valve Balls
PP 1	Polypropylene	EPDM	ceramic
PP 2	Polypropylene	FPM ( Viton )	ceramic

DEVELOPAN® diaphragm with PTFE coating in all models  
Viton® is a registered trademark of DuPont Dow Elastomers



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