



BD SERIES DIAPHRAGM MOTOR-DRIVEN DOSING PUMPS

The metering pumps BD series are driven by an electric motor, the dosage by means of a NBR/PTFE (material in contact with the liquid) diaphragm. The BD series pumps make their robustness and reliability their main characteristic.

GENERAL FEATURES

- Max Flow rate: 535 l/h at 50Hz
- Max Pressure: 12 bar
- Standard Power Supply: 230-400V
3 phases 50Hz
- SEW Motor: 0.25 or 0.37 kW
- Frequency: 60, 103 and 120 strokes/
min at 50Hz
- Pump Head: PVC, SS316L or PVDF
- Valves:
 - Single ball with SS316L pump head
 - Double balls with PVC pump head
- Balls: ceramic or SS316L
- Ball seats FPM, EPDM or NBR
- Valves seats in PVC or PVDF
- Diaphragm in NBR/PTFE
PTFE material in contact with the chemical
- Die-cast aluminium housing protected by
epoxy/ anti-acid paint
- IP55 protection degree
- Insulation class: F



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TECHNICAL FEATURES

Model	Flow Rate l/hr	Pressure Bar		Strokes/min	Power kW	Valves
		AISI	PVC			
800079	79	12	10	60	0.25	3/4"Gm
800135	135	10	10	103	0.25	3/4"Gm
800158	158	8	8	120	0.25	3/4"Gm
800150	150	7	7.5	60	0.25	1"Gm
800257	257	6	6	103	0.25	1"Gm
800300	300	5	5	120	0.25	1"Gm
800278	278	3.5	3.5	60	0.25	1"Gm
800478	478	2.5	2.5	103	0.25	1"Gm
800535	535	2	2	120	0.25	1"Gm
800278	278	4	4	60	0.75	1"Gm
800478	478	3	3	103	0.75	1"Gm
800535	535	2.5	2.5	120	0.75	1"Gm

PUMP HEAD CONFIGURATIONS

Standard						
Version	Pump Head	Connections	Diaphragm	Valve Seats	Balls	Ball Seat
AA	SS316L	SS316L	NBR/PTFE	PVDF	SS316L	NBR
AB	PVC	PVC	NBR/PTFE	PVC	Ceramic	FPM
On request						
Version	Pump Head	Connections	Diaphragm	Valve Seats	Balls	Ball Seat
AP	SS316L	SS316L	NBR/PTFE	PVDF	SS316L	FPM
AI	SS316L	SS316L	NBR/PTFE	PVDF	SS316L	EPDM
BI	PVC	PVC	NBR/PTFE	PVC	Ceramic	EPDM
SA	PVDF	PVDF	NBR/PTFE	PVDF	Ceramic	FPM
SI	PVDF	PVDF	NBR/PTFE	PVDF	Ceramic	EPDM

OVERALL DIMENSIONS

