

Solenoid metering pumps

SDP Series

The SDP family of solenoid metering pumps complements Doseuro's wide range of dosing pumps. These solenoid driven pumps provide a simple and reliable solution for applications requiring lower flow rates.

THE USE OF AN INTEGRATED MICROPROCESSOR MAKES THE SDP FAMILY EXTREMELY ACCURATE AND FLEXIBLE.

A WIDE RANGE OF CONSTANT AND PROPORTIONAL DOSING APPLICATIONS CAN BE MET WITH A FEW MODELS.



Application

This SDP family of solenoid-based metering pumps are generally used in the following applications:

- Drinking water treatment
- Cooling Tower water treatment
- Pools
- Hydroponics
- Aquaculture
- Car Wash

Features

- Foot mounted dosing pump
- Corrosion-proof reinforced polypropylene housing
- Solid PTFE diaphragm
- Water-resistant IP65 protection
- Wide choice of wetted parts materials:
PP; PVC; S.S.316; PTFE; PVDF
- Standard power supply:
110V 60Hz
On request: 24V d.c., 12V d.c.,

All chemical dosing pumps come complete with accessories to improve the operating and accuracy of the chemical dosing pump:

- Injection valve
- 59 Inches suction pipe
- 59 Inches delivery pipe
- Strainer

SMC/SML

Analogic dosing pump. Potentiometer manual adjustment range 10–100% with double regulating scale. The SML version is equipped with a port for level control (probe not included).

SSC

Digital dosing pumps. Operating function regulated by microprocessor.
3 digit display. Capacity adjustment by incoming signal configured by user between 0–20mA.
Level control setting (probe not included).

SWM

Digital dosing pump. Operating function is regulated by a microprocessor and with a 3 digit display. Capacity adjustment can be made manually or proportional by a digital signal (Flowmeter with output signal) with different function:

- Pulse multiplier: 1x n
- Pulse divider: 1: n
- Pulse multiplier with memory; 1 x n–M
- Level control setting (probe not included).

SMM

Digital dosing pump. Operating function regulated by microprocessor.
Manual flow rate adjustment with 3 digit display from 0–100%.
Level control setting (probe not included).

SSW

Digital dosing pump. Operating function is regulated by a microprocessor and 12X2 LCD display. Multifunction or proportional by incoming digital or analogic signal: 0–20 mA; 1 x n; 1: n; 1 x n–M.
Level control setting (probe not included).

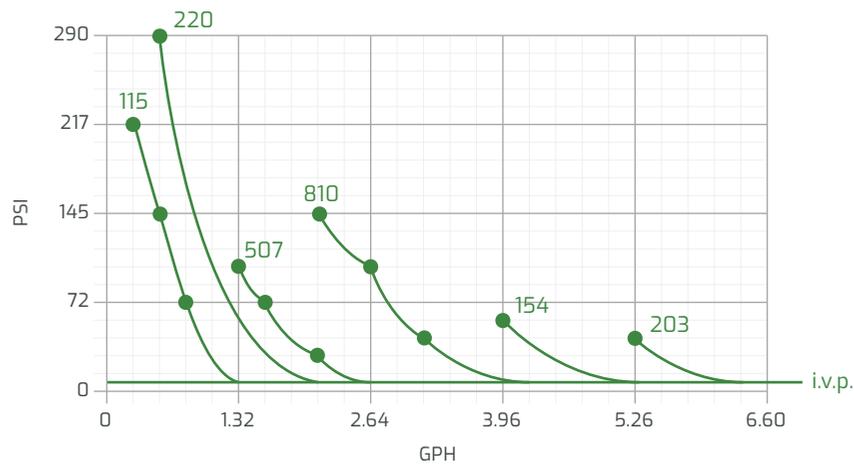
SMF

Dosing pump with pH, Rx, Cl built in instruments.
Operation mode: 0–14 pH ; –1000 : +1400mV ; 0–2, 20, 200 ppm
Temperature compensation 0–100°C ; 4–20mA out–put Protection IP65
Predisposed for level probe setting (probe not included).

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Characteristics								
Type	Max capacity (GPH)	Max pressure (PSI)	Stroke per minute (spm)	Absorbed power (Watt)	Absorbed current (Ampere)	Connection (mm)	Suction lift (mcw)	Weight (lb)
115	0.26	217	120	37	0.16	4/6	2	7.71
	0.53	145						
	0.78	72						
220	0.53	290		58	0.25			
	1.32	101						
	1.59	72						
507	2.12	29		37	0.16			
	2.12	145						
	2.64	101						
810	2.64	101		58	0.25			
	3.17	43						
	3.96	58						
154	3.96	58	58	0.25				
203	5.26	43	58	0.25				
								90.38

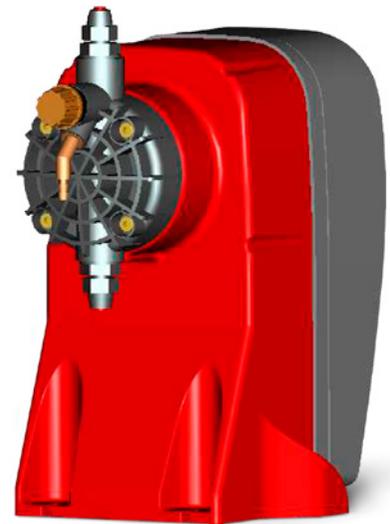
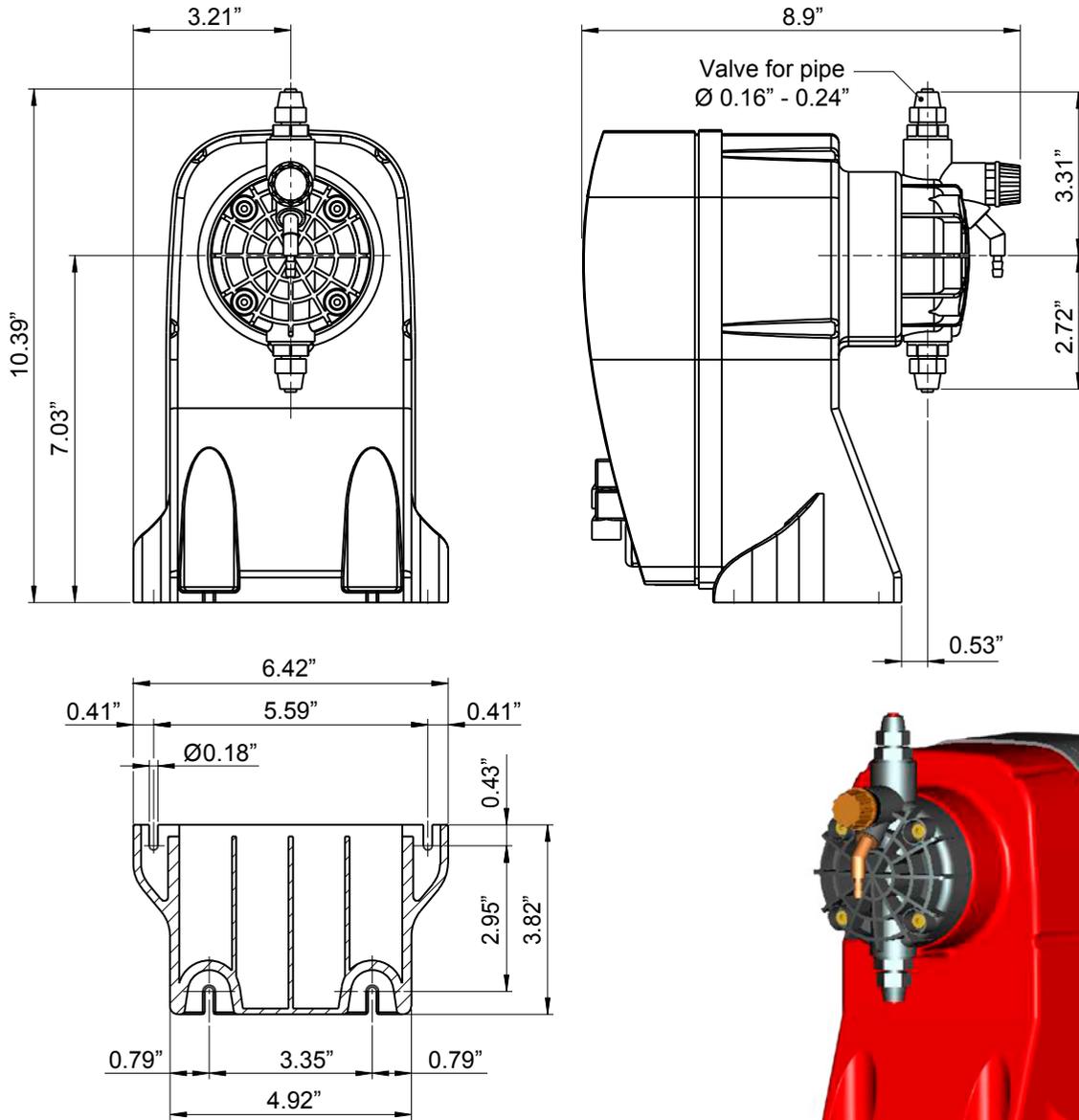
Performance curve



Wetted parts code for standard materials

Execution	Pump head	Diaphragm	Lip valve	O-ring valve	Valve ball	Kit
02	PP	PTFE	FPM	FPM	N.A.	Kit 1
29	PVDF	PTFE	N.A.	FPM	Ceramic	Kit 1
24	PVDF	PTFE	N.A.	FPM	Ceramic	Kit 3
31	PVDF	PTFE	N.A.	FPM	Ceramic	Kit 4

Kit 1 PP + FPM	Kit 3 PVDF + Ceramic + FPM	Kit 4 PVDF + Ceramic + PTFE
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How to read pump model

