

MDS Series Solenoid Dosing Pump

Technical Feature

Flow Rate :	From 1 to 20 L/H
Max Pressure :	20 Bar
Power Supply:	230v Standars;
Strok Rate :	120 impulses/minute Max
Pump Head :	PP or PVDF or SS316 with Viton Lip valve or Ceramic ball valves; Auto-Bleed options Available;
Diaphragm :	PTFE
Mounting options:	Wall mounted as standars; MDSG foot mounting option;
Stroke length adjustment :	Available on MDSG foot mounted option;
Installation Kit :	PP or PVDF injection Valve PP or PVC or PVDF Filter, 4m PE tubing for suction/discharge;



Pump Models

MDS -7S

Digital manual dosing stroke control (0 – 100%);
Display 7 segments stroke;
Optional level alarm;

MDS -7Scc

Digital manual dosing stroke control (0 – 100%); Control Stroke Per minute / hours ;
Display 7 segments stroke;
4-20 mA proportional control;
RS485-ModBus Control and status monitoring interface;
Optional level alarm;

MDS -ph/rx/cl-cc

Integral pH, Redox and Chlorine (PPM) control; 0 – 14 pH measuring range; -1000 - +1400 mV Redox measuring range; 0 – 2, 0 – 20 or 0 – 200 PPM measuring range; 4-20 mA output;
RS485-ModBus Control and status monitoring interface; alarm relay output; Optional Level alarm;

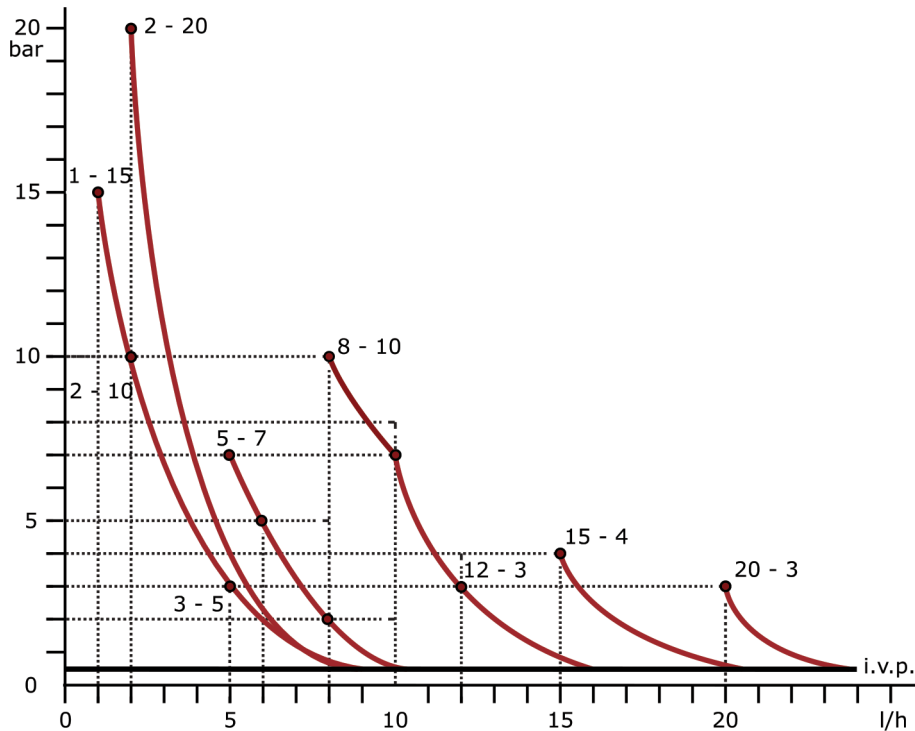
MDS -ph/rx-cc

Integral pH and Redox control; 0 – 14 pH measuring range; - 1000 - +1400 mV Redox measuring range; On/Off proportional mode;
4-20 mA output; RS485-ModBus Control and status monitoring interface; Alarm output relay; Optional Level alarm;

MDS -EC-cc

Integral conductivity control (0 – 1000 μ S or 0 – 10000 μ S measuring range; On/Off proportional dosing mode; 4-20 mA output;
RS485-ModBus Control and status monitoring interface;
 $\frac{1}{2}$ " conductivity probe supplied; Optional Level alarm;

Hydraulic Data



Model	Flow rate (L/H)	Max pressure (Bar)	Injection volume (cc)	Max injection frequency (imp/minute)	Tubing (IDxOD mm)	Power supply
01-15	1	15	0.14	120	4x6	230v, 50-60 Hz
	2	10	0.28			
	3	5	0.42			
02-20	2	20	0.28	120	4x6	230v, 50-60 Hz
	5	7	0.69			
	6	5	0.84			
05-07	8	2	1.11	120	4x6	230v, 50-60 Hz
	8	10	1.11			
	10	7	1.39			
08-10	12	3	1.67	120	4x6	230v, 50-60 Hz
	15	4	2.08			
	20-03	20	3			

Materials Information And More

Dosing pumps are normally provided with standard table material. Therefore, due to the aggressive fluidity of the pumped fluid, it should be selected based on the chemical resistance tables of each material.

Model Pump.		1-15	2-10	2-20	5-7	5-12	8-10	15-4	20-3
Nominal Capacity	L/H	1	2	2	5	5	8	15	20
	G/H	0.26	0.53	1.53	1.32	1.32	2.12	3.96	5.26
	G/D	6.24	12.72	36.72	31.68	31.68	50.88	95.04	126.24
Max. Capacity	L/H	8	10	8.5	13	17	20	20	24.5
	G/H	2.08	2.6	2.21	3.38	4.42	5.2	5.2	6.37
	G/D	49.92	62.4	53.04	81.12	106.08	124.8	124.8	152.88
Max. Pressure	Bar	15	10	20	7	12	10	4	3
	PSI	217	145	290	101	174	145	58	43

Parts	Standard Material	Upon Request
Pump Head	PP	PVDF AISI 316
Diaphragm	PTFE	PTFE
Valves	FPM(Viton®)	-
Sealings	FPM(Viton®)	EPDM(Dutral®) Silicone NBR
Injection valves	PP/(Viton®)	EPDM(Dutral®) Silicone NBR
Foot Filter	PP/(Viton®)	PVDF
Suction/Bleeding Tubing	PU	PTF/PVC/PA/PE
Delivery Tubing	PE	PTF/PVC/PA/PE

Installation Data



- A - Main Pipeline
- B - New Injection Valve
- C - Backpressure Valve
- D - Pressure Gauge
- E - Relief Valve
- F - Dosing Pump
- G - Tank
- H - New Foot Filter
- I - Level Switch

