BDS Series
Solenoid Dosing Pump

Technical Feature

Flow Rate :	From 1 to 80 L/H
Max Pressure :	20 Bar
Power Supply:	110-240VDC/AC-50/60Hz Standars;
Strok Rate :	180 impulses/minute Max
Pump Head :	PP or PVDF or UPVC 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

BDS -7S

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

BDS -7Scc

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

BDS -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;

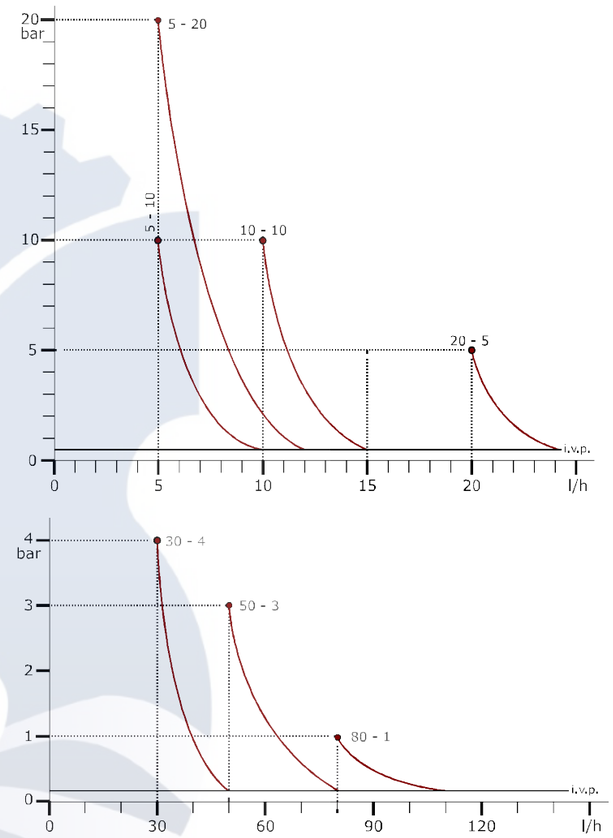
BDS -ph/rx-cc

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;

BDS -EC-cc

Integral conductivity control (0 – 1000 µS or 0 – 10000 µS measuring range; On/Off proportional dosing mode; 4-20 mA output;
RS485-ModBus Control and status monitoring interface;
½" conductivity probe supplied; Optional Level alarm;

Hydraulic Data



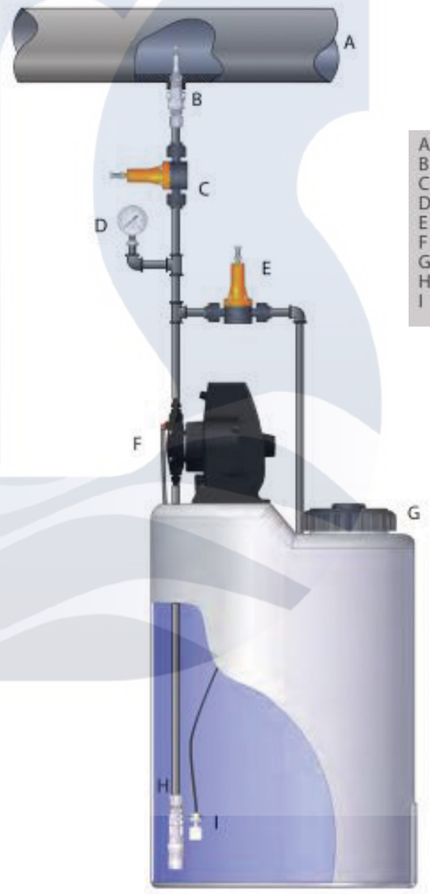
Model	Flow rate (L/H)	Max pressure (Bar)	Injection volume (ml)	Max injection frequency (imp/minute)	Tubing (IDxOD mm)	Power supply
05-10	5	10	0.52	160	4x6	230v, 50-60 Hz
05-20	5	20	0.52	160	4x6	230v, 50-60 Hz
10-10	10	10	1.04	160	4x6	230v, 50-60 Hz
20-05	20	5	2.08	160	4x6	230v, 50-60 Hz
30-04	30	4	2.8	180	10x14	230v, 50-60 Hz
50-03	50	3	4.6	180	10x14	230v, 50-60 Hz
80-01	80	1	7.4	180	10x14	230v, 50-60 Hz
80-06	80	6	7.4	180	10x14	230v, 50-60 Hz

Materials Information And More

Installation Data

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.

Parts	Standard Material	Upon Request
Pump Head	PP	PVDF , AISI 316
Pump Body	Aluminium	-
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



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