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DOSING & METERING PUMPS

❑ XE Series Dosing Pump

(Solenoid Driven, Electrically Actuated Diaphragm Type)

Type:	Reciprocating diaphragm
Max. Rated Flow:	2 to 12 LPH
Max. Rated Back Pressure:	06 to 02 bar
Flow Control:	Speed Control
Mode :	Manual/ Automatic (optional- designed to accept 4-20 mA current signal)



❑ XM Series Dosing Pump

(Motor Driven, Mechanically Actuated Diaphragm Type)

Type:	Reciprocating diaphragm
Max. Rated Flow:	15 to 100 LPH
Max. Rated Back Pressure:	10 to 05 bar
Flow control:	Stroke Length (stroke)
Mode :	Manual or Automatic (optional- designed to accept 4-20 mA current signal through VFD)
Gear Ratio:	10:1



❑ XH Series Dosing Pump

(Motor Driven, Hydraulically Actuated Diaphragm Type)

Type:	Hydraulically Actuated Diaphragm
Standards:	API 675
Max. Rated Flow:	200 to 300 LPH
Max. Rated Back Pressure:	05 to 10 bar
Flow control:	Manual Stroke Length (STROKE)
Mode :	Manual or Automatic (optional- designed to accept 4-20 mA current signal through VFD)
Gear Ratio:	10:1



Applications :

- Raw Water Treatment, Cooling Water Treatment, Boiler Water Treatment, Effluent Treatment, Sewage Treatment, Public Health Engineering, Desalination/R.O. Systems.
- Addition of chemicals in industrial sectors such as power (Thermal/Nuclear/Gas), Cement, Steel, Sugar, Paper, Textile, Chemical & Petrochemical, Oil & Gas, Mining, Metallurgy, Minerals, Heat Treatment, Food Processing, Rice Polishing, Dairy, Drugs & Pharmaceuticals, Breweries & Distilleries, Plastics, Automotive, Heavy Engineering.

STURDY accurate Efficient
reliable **COMPACT**

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DOSING & METERING PUMPS

PUMP SELECTOR

X **E** [] [] [] [] [] [] []

Type of Pump
E - Electronic

Flow
01- 02Lph @ 6kg/cm²
02- 04Lph @ 5kg/cm²
03- 06Lph @ 4kg/cm²
04- 10Lph @ 3kg/cm²
05- 12Lph @ 2kg/cm²

Control Mode
M - Manual
A - Automatic

Pump Chamber
01 - PP
07 - SS316

End Connection
S - Threaded

Pump Suction
1 - Foot Valve
2 - 'Y' Strainer

Lower Level Switch (LLS)
L - with LLS
N - without LLS

X **M** [] [] [] [] [] [] []

Type of Pump
M - Mechanical

Flow
06- 15Lph @ 10kg/cm²
07- 35Lph @ 08kg/cm²
08- 50Lph @ 08kg/cm²
09- 75Lph @ 05kg/cm²
10- 100Lph @ 05kg/cm²

Control Mode
M - Manual
A - Automatic

Pump Chamber
01 - PP
07 - SS316

End Connection
S - Threaded

Pump Suction
1 - Foot Valve
2 - 'Y' Strainer

Drive Motor
W - Weather
F - Flame Prof
(Group IIA, IIB)

X **H** [] [] [] [] [] [] [] [] []

Type of Pump
H - Hydraulically Actuated

Control Mode
M - Manual
A - Automatic

Pump Chamber
01 - PP
07 - SS316

End Connection
S - Threaded
F - Flanged

Pump Suction
2 - 'Y' Strainer
(In Client Scope)

Drive Motor
W - Weather Proof
W1 - 5 bar
W2 - 10 bar
F - Flame proof
(Group IIA, IIB)
F1 - 5 bar
F2 - 10 bar
N - No Motor

3D
NN - None
DG - Double Diaphragm with Guage
DS - Double diaphragm with Pressure Guage & Pressure Switch

Model	Flow	5 kg/cm ²	10 kg/cm ²
XH 11	200Lph	0.5 hp	1.0 hp
XH 12	350Lph	0.5 hp	1.0 hp
XH 13	600Lph	1.0 hp	1.0 hp
XH 14	1000Lph	1.0 hp	2.0 hp
XH 15	2000Lph	3.0 hp	on request
XH 16	3000Lph	5.0 hp	on request

Advantages :

- XEED pumps are sturdy, compact and user friendly.
- Unique Teflon - Nitrile compositediaphragm design ensures long life in XEED pumps for precise performance.
- XEED pumps are energy efficient. Optimum motor selection results in less energy consumption.
- XEED pumps are available in Manual mode (Standard) and Automatic mode (Optional).
- XEED Electromagnetic pumps have Stroke frequency control as standard manual mode.
- XEED motor driven pumps have Stroke length control as standard manual mode.
- XEED pumps with Automatic mode are capable of accepting 4-20mA signal and dose proportionately.
- XEED Electromagnetic pumps (XE Series) are provided with Splash guard.
- XEED Electromagnetic pumps (XE Series) are provided with the following protection
- Fuse To take care of incoming current fluctuation
- Varistor – To take care of voltage fluctuation
- Flange mounted drive ensures a small foot-print for XEED motor driven pumps
- Drive & Pump are integrated with love-joy coupling. Coupling is totally enclosed.
- Twin Bearing Support (TBS) for precise & consistent operation. XEED pumps have sealed bearings.
- Oil submerged lubrication for minimal wear and tear in motor driven pumps.
- Adjustable internal relief valve is provided in Motor driven hydraulically actuated pumps (XH Series).
- 3D Technology (Optional)– Diaphragm damage detector.
- This involves a double diaphragm technology along with pressure gauge (for visual indication) or both pressure gauge and pressure switch for auto pump switch off.

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reliable **COMPACT**