

Hydraulic Diaphragm

SR series B&BR type

Spring Return Hydraulic Diaphragm Dosing Pump

B & BR Hydraulic diaphragm metering pumps are normally used when:

- The dosed liquid contains small amounts of suspended solids
- A drip proof/air tight application is required
- The dosed liquid is a toxic solution
- High pressure is required

Each pump is fitted with a standard gearbox reduction system with a vertical mounted motor. The reduction gearbox is of a standard endless screw plus worm-wheel type, supported by bearing, fully lubricated in oil bath.

Stroke adjustment can be carried with the pump at rest or in operation and it can be manual or automatic through automatic actuator driven by 4-20 mA; different BUS; pneumatic.

BR version is equipped with built-in safety valve is installed in the hydraulic circuit, in order to protect the diaphragm against over pressure.

Furthermore they comply with ATEX standard, therefore they can be installed in Hazardous area. Wide choice of wetted materials: S.S.316L; PVC; PP; PVDF; PTFE other materials available upon request.

Fittings

- Polyethylene tanks
- Relief valves and back pressure valves
- Safety relief valve
- Injection valve
- Foot valve
- Pulsation dampeners
- Calibration pot

Model	Max Capacity in Lt/h	Max pressure in Barg
B & BR 125N	108	20 / 13.5
B & BR 175N	418	20 / 14
B & BR 250N	1068	11 / 7.2
AP B & BR 125N	60	60 / 40
AP B & BR 175N	247	60 / 40
AP B & BR 250N	556	23 / 20.7

