

Back Pressure Valve

Subsea Technologies | Subsea Hydraulic Valves | Production Control

Features

- Metal sliding seal technology
- No adjustments required
- Made from high-grade austenitic stainless steels and higher specification alloys
- Non-metallic materials include PEEK, PTFE and Chemraz® perfluoroelastomer

Benefits

- Prevents loss of chemicals into low pressure (sub critical) subsea wells
- Prevents hose collapse
- Automatically adjusts to compensate for sea pressure
- Metal-seated, leak-free, repeatable operation
- Helps ensure a predictable flow rate for injection chemicals

Hunting's Back Pressure Valve (BPV) is ideal for preventing chemicals injected into low-pressure subsea wells from being lost due to chemical head pressure.

By increasing the backpressure in the chemical supply line to approximately 800 psi, the Hunting BPV impedes the formation of a vacuum below the injection pump. This results in the chemical pump supplying positive pressure while metering the chemical flow, and helping ensure that chemical displaces into the well at a predictable rate.

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Specifications

Design Working Pressure	15,000 psi
Proof Pressure	22,500 psi
Depth	15,000 ft
Operating Temperature	20°F to 120°F
Flow Capacity	Cv=0.1 at 100 psi over set point