

Pressure Regulators

Subsea Technologies | Subsea Hydraulic Valves | Drilling Control

Features

- Reduces pressure from 5,000 psi maximum supply to adjustable outlet
- Automatically vents excess outlet pressure to atmosphere
- Manufactured from stainless steels
- Technology includes sliding metal seals
- Manually adjusted and hydraulically piloted versions available
- Special end connections are available on request

Benefits

- Highly durable and resistant to dirty fluids
- Pressure control safeguards equipment
- Reliability confirmed through comprehensive in-house testing in simulated BOP control system

Hunting's Subsea Pressure Regulators are specifically designed for use in subsea oilfield drilling control applications, including BOP control systems, where high pressure and flow rates can quickly destroy industrial-grade regulators.

Extensive developmental in-house testing has been performed in simulated BOP control conditions to ensure the reliability needed for this critical application. Qualification reports are available on request.

Specifications

	PCV-1-XXXX	PCV-2-XXXX	PCV-3-XXXX	PCV-4-XXXX
Adjustment	Hydraulic Pilot	Manual/Spring	Manual/Spring	Hydraulic Pilot
Maximum Supply Pressure	5,000 psi	5,000 psi	5,000 psi	5,000 psi
Outlet Pressure	500 to 5,000 psi	1,500 to 4,000 psi	1,500 to 4,000 psi	500 to 5,000 psi
Depth	15,000 ft	15,000 ft	15,000 ft	15,000 ft
Operating Temperature	20° F to 120° F	20° F to 120° F	20° F to 120° F	20° F to 120° F
Supply Connection	Dual 1" NPT (f)*	Dual 1" NPT (f)*	½" SAE (f)*	½" SAE (f)*
Outlet Connection	1.5" NPT (f)*	1.5" NPT (f)*	½" SAE (f)*	½" SAE (f)*
Vent Connection	3/8" NPT (f)*	3/8" NPT (f)*	½" SAE (f)*	½" SAE (f)*
Pilot Connection	½" NPT (f)*	N/A	N/A	¼" NPT (f)*
Flow Coefficient (Cv)				
Supply to outlet	19	19	2.2	2.2
Outlet to vent	2.8	2.8	0.5	0.5
Maximum Flow Rate	377 gpm	285 gpm	35 gpm	35 gpm
Typical Applications	Annular preventers in BOP control circuits	Drilling control circuits (non-annular preventers)	Drilling control pilot circuits	Drilling control pilot circuits that require precise pressure control

*Other end connections are available on request.



PCV-1-XXXX



PCV-2-XXXX



PCV-3-XXXX



PCV-4-XXXX