

Hydril Pressure Control MSP™ 21-2

21” 2000-psi BOP/Diverter

Divert Gas With Maximum Safety And Reliability

Product description

The Hydril Pressure Control MSP™ 21” 2000-psi (Medium Service Pressure) blowout preventer/diverter, with a 21¼” bore size and 2,000-psi working pressure, is designed for surface installations. It will deliver a long, dependable service life, as proven by its consistent field performance over the past 50 years. In the field and in laboratory tests, these units have:

- Passed API 16A qualification requirements
- Closed on the open hole, achieving complete shut-off/preventer:
- Passed third party witness to 1000 psi



Key features

The Hydril Pressure Control MSP-2000 offers outstanding performance that sets the industry standard for simple and reliable blowout protection. Its design includes important features that are also found in our GK™ annular BOP, such as:

- A screwed head design that ensures safe operation with no loose parts that can easily be lost
- An optional latched head for fast, easy access to the packing unit and wear seals
- Only two moving parts, the piston and packing unit, for less maintenance and downtime
- A field-replaceable wear plate that eliminates contact between the packing unit inserts and the BOP head, making repair fast and economical
- A bolted-in inner sleeve that eliminates the need to stress-relieve if the inner sleeve is damaged in the field
- A conical bowl design of the piston, which provides a simple and efficient method of closing the packing unit
- Back-to-front feedable rubber on the packing unit that permits confident closure of the BOP
- A telescoping piston design that makes the MSP-2000 compact and lightweight
- API 16A, 4th Edition conformant

Benefits

- Field-proven for 50 years, the MSP 21” 2000-psi will seal off drill pipe, kelly, tool joints, tubing or wireline, or completely shut off the open hole to full rated pressure. Used together with the Seal-All Diverter Insert™, it can seal multiple items in the wellbore as well.

Engineering Data

Product			MSP 21-2000			
Head type			Screwed		Radial Latch	
Bore (inches)			21.25 in.	540 mm	21.25 in.	540 mm
Closing pressure (psi)						
Working pressure (psi)			2,000 psi	138 bar	2,000 psi	138 bar
Gal. to close			31.1 gal	117.7 L	31.1 gal	117.7 L
Gal. to open			18.9 gal	71.5 L	18.9 gal	71.5 L
Height	Flanged bottom	Rated	52.5 in.	1,334 mm	52.5 in.	1,334 mm
Weight	Flanged bottom	Rated	15,100 lbs	6,849 kg	16,320 lbs	7,403 kg
Body clearance diameter			52.75 in.	1,340 mm	58.75 in.	1,492 mm
API 16A conformance status			4th Ed., PR1		4th Ed., PR1	