

Hydril Pressure Control MSP™ 29" 500-psi 30" 1000-psi Diverter

Set large casing with full
diverter protection

Pressure Control Equipment: Diverters

Applications & Benefits

The Hydril Pressure Control MSP™ (Medium Service Pressure) 29" 500-psi 30" 1000-psi is a large-bore, annular-type diverter that effectively reroutes the flow of low-pressure gas on surface installations. Its 29½" bore size permits the hole to be drilled full-bore, and it accommodates the setting of even the largest surface casing without removing the diverter. For flexibility, this exceptional product can also serve as a blowout preventer.

- Back-to-front feedable rubber that allows the packing unit to strip tool joints under pressure or to close and seal on almost any shape in the drill string, or the open hole
- A packing unit and seals that use the same basic design and materials as our high-pressure units
- A conical bowl design on the piston, which provides a simple and efficient method of closing the packing unit

Key Features

The MSP shares numerous features that enable Hydril Pressure Control annular blowout preventers to deliver world-class performance. The MSP has:

- Only two moving parts, the piston and packing unit, for less wear, maintenance and downtime



The Hydril Pressure Control MSP Advantage

Field-proven for more than 40 years, the MSP 29" 500-psi 30" 1000-psi remains in wide use today because it works reliably and cost-effectively, providing complete diversion control during drilling operations and doubling as a BOP.

Unlike other large-bore diverters, the MSP 29" 500-psi 30" 1000-psi will close and seal on any pipe in the wellbore or completely seal off the open hole without adding inserts or changing to a different packing unit.

Engineering Data

			MSP 29.00" 500-psi		MSP 30.00" 1000-psi		
Bore Size			29.50"	749 mm	30.00"	762 mm	
Head Type			Latched	Latched	Radial Latch	Radial Latch	
Working Pressure			500 psi	34 bar	1,000 psi	69 bar	
Gal. to Close			60 gal	227 L	87.6 gal	332 L	
Gal. to Open			-	-	27.8 gal	105 L	
Height		Flanged Bottom	Rated	67.81"	1722 mm	59.63"	1515 mm
Weight		Flanged Bottom	Rated	24,500 lbs	11,113 kg	32,500 lbs	14,742 kg
Body Clearance Diameter (inches) (mm)			82.50"	2096 mm	92.75"	2356 mm	

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GE imagination at work