

Hydril Pressure Control Annu-Flex™

Flexible subsea blowout prevention

Pressure Control Equipment: Blowout preventers

Applications & Benefits

We drew on more than 55 years of BOP application experience in all BOP types, sizes and pressure ranges when creating the Hydril Pressure Control Annu-Flex™. A variation of our GX annular BOP, drilling contractors' "best annular in the business," the Annu-Flex combines a reliable subsea annular blowout preventer with a maintenance-free, flexible underwater riser joint. Together, the BOP head/flex joint combination reduces overall stack height and requires fewer stack connections.

Additionally, the Annu-Flex offers:

- Rapid and economical maintenance
- Simple and reliable operations
- Long service life

Key Features

Designed specifically for subsea drilling applications, the Hydril Pressure Control Annu-Flex enhances the best of our GX annular BOP's performance and serviceability with several distinguishing features:

- A flex-joint design eliminates friction that causes binding and galling as well as the need for lubrication and pressure compensation commonly found in ball-type designs
- An elastomer element, the key component of the subsea flexible joint, is permanently bonded to an inner housing and outer ring
- A guide ring/wear bushing absorbs through-the-bore wear during normal operations to protect the elastomer element and the main housing
- A housing/latched head to retain full working pressure rating



The Hydril Pressure Control Annu-Flex Advantage

Only the Hydril Pressure Control Annu-Flex can offer the performance and serviceability of our GX annular BOP in a unit designed specifically for subsea drilling applications. With its compact design and distinctive flex joint, the Annu-Flex decreases overall stack height to free up critical space and require fewer stack connections.

Engineering Data

			DUAL	SINGLE
Bore (inches)			18.75	18.75
Working Pressure (psi)			10,000	10,000
Hydraulic Operating Pressure (psi)			1,500	1,500
Gal. to Close (U.S. gal.)			58 per BOP	58
Gal. to Open (U.S. gal.)			58 per BOP	58
Stud to flange height (inches)	Flanged Bottom	10 m	174.45	116.45
		15 m	177.42	119.42
Clearance Diameter (inches)			84.00	84.00
Weight (lbs.)			112,118	65,000

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