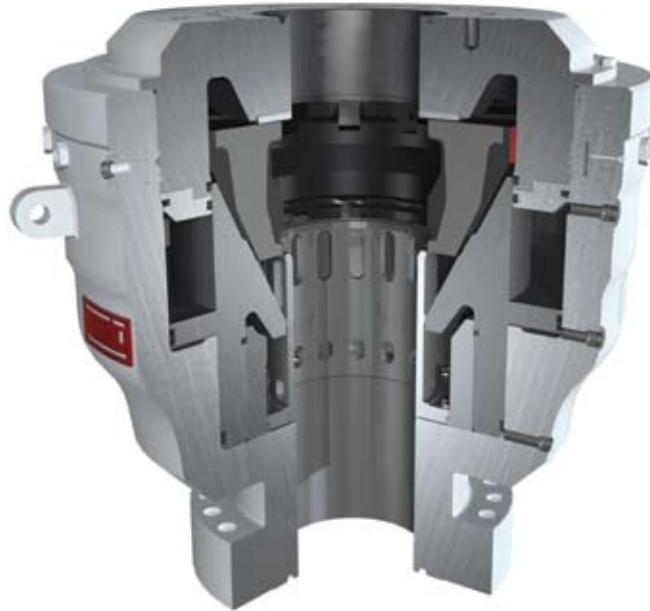




GL[®] Annular Blowout Preventer

Field-Proven, Long-Life Blowout Prevention

Pressure Control Equipment: Blowout Preventers



APPLICATIONS & BENEFITS

The GL[®] annular BOP has a field-tested, field-proven design. It has demonstrated its world-class dependability and quality to users for over 30 years. As with all Hydril BOPs, Hydril tests every GL's operating chambers and packing unit to full BOP working pressure to ensure strength, reliability, and the ability to over-pressurize the chambers in emergencies. So you can be sure of reliable performance, closure after closure. That's why our customers know, when you need reliability, you buy a Hydril.

KEY FEATURES

The key to the GL's excellent performance lies in its unique design, which includes:

- **A Hydril packing unit** that is specially molded with two different styles of inserts to reduce closing volume and increase closing cycles.
- **A replaceable wear plate** that eliminates metal-to-metal contact between the packing unit inserts and the BOP head.
- **A piston design** that provides complete balance, more reliable operation and ease of assembly.
- **A latched head** for fast, easy access to the packing unit and wear seals.
- **An opening chamber head** that prevents debris from falling into the chambers when replacing the packing unit.
- **A bolted-in inner sleeve** that eliminates the need for weld repair and is field-replaceable.

ENGINEERING DATA

| Bore (inches) | | | 18-3/4 | Dual 18-3/4 | 21-1/4 |
|------------------------------------|----------------|-----|--------|-------------|--------|
| Working pressure (psi) | | | 5,000 | 5,000 | 5,000 |
| Hydraulic Operating Pressure (psi) | | | 1,500 | 1,500 | 1,500 |
| Gal. to Close (U.S. gal.) | | | 44 | 44 | 58 |
| Gal. to Open (U.S. gal.) | | | 44 | 44 | 58 |
| Stud to Flange Height (inches) | Flanged Bottom | 5M | 65-1/4 | 112 | 77-1/2 |
| | | 10M | — | — | 80-1/4 |
| | | 5M | 35,000 | 63,100 | 45,000 |
| Stud to Flange Weight (pounds) | Flanged Bottom | 10M | — | — | — |
| Clearance Diameter (inches) | | | 76 | 76 | 78-1/4 |

- Corrosion-resistant alloy for the ring grooves.
- SermaGuard™ coating on all internal surfaces.
- Packing units with nitrile or natural compounds.
- Off-the-shelf deliveries of packing units for minimal lead time.

THE GX ADVANTAGE

The GL's Long Life "LL" Packing Unit has been specifically designed and tested to provide unsurpassed performance and durability. In performance tests, it outlasted other replacement units by a minimum of 5-to-1. The key to this remarkable performance is a revolutionary asymmetrical insert design which gives longer life and reliability. The Hydril "LL" Packing Unit is designed to provide greater fatigue life without compromising stripping performance and operating characteristics.



No matter what type of severe service awaits your BOPs, expect more from the genuine Hydril GL.

