

Hydril Pressure Control 13-5 Spherical Packing Unit

Designed to perform in today's most extreme wells

Product description

HMH has developed a new 13" 5Ksi spherical packing unit with a focus on features critical to hostile wellbore environments such as:

- Broadest temperature working range
- Increased high temperature hold duration
- Exemplary low temperature performance
- Improved fatigue performance
- Drop-in replacement for existing spherical annulars

Benefits

The heart of every annular blowout preventer (ABOP) is its packing unit and HMH Hydril Elastomers have been the market leader ever since we pioneered ABOPs over 70 years ago. But time didn't stand still; and neither did we. We proudly present our latest achievement, the introduction of our NBR Spherical ABOP packing unit.

Key features

The HMH spherical packing unit is made with the same Hydril Pressure Control elastomers used globally and is made with geometry that enables plug-&-play implementation within existing 13-5 spherical ABOP assemblies. Key features include:

- **Proprietary self-healing elastomer** compound dialed in for superior performance
- 300F extreme temperature hold at full working pressure for 11+ hours
- Elastomer rated to 5% H₂S per API/NACE
- Latest edition of API 16A 4th Edition PR2 compliance
- CSO capable



| Specification | | Measurement |
|--|----------------|-------------------------------|
| Part Number | | 3169999-02M |
| API 16A status | | 4th Ed., PR2, Monogrammed |
| Material | | Proprietary NBR |
| Complete Shutoff (CSO) | | Yes (drift 4 minutes) |
| Extended range operation pipe size OD | | 3-1/2 to 11-3/4" |
| Bore (inches) | | 13-5/8 |
| Working pressure (psi) | | 0 to 5,000 |
| Hydraulic operating pressure (psi) | | 0 to 1,500 |
| Cold Drift (°F) | | 27 |
| Stripping 5" pipe with 6-5/8" tool joints | | 300 cycles = 600 tool joints* |
| API Temperature Ratings (°F) EBE | Cold | 30 (3 x 10-minute cycles)* |
| | Continuous hot | 180 (10 cycles) |
| | Extreme hot | 300 (11+ hours) |
| Fatigue | 3.5" | 53+ cycles* |
| | 5.0" | 53+ cycles* |
| | 7-5/8" | 53+ cycles* |
| MOPFLPS | 3.5" | 985 psi |
| | 5.0" | 653 psi |
| | 7-5/8" | 480 psi |

*Stop/finish

