

IPV2 – Premium Bidirectional Isolation Barrier Valve

Overview:

The IPV2 is a premium bi-directional completion barrier valve. The IPV2 features options of:

- Remote Close & Remote Open through pressure application,
- Mechanical Open or Close using intervention or mechanically closed and remotely open
- Hydraulically opened or closed via control line.

The IPV2 is highly versatile & is ideally suited to deep barrier isolation in liner tops in conventional liner applications, gravel pack, sand screen applications, intelligent completions & multi-zone stimulation completions. The IPV2 can also be used as a Lubricator Valve.

The IPV2 may be deployed fully open, fully closed or closed with an integrated circulation facility allowing either forward or reversed circulation depending on application.

The IPV2 may be deployed with a work-string or stinger shifting tool allowing mechanical closing as part of the lower completion in readiness for remote pressure opening later when required.

The IPV2 incorporates our Patented Equalizing feature which allows pressure to fully equalize across the barrier 'before' opening which can be tailored to eliminate pressure surge.

Applications

- Liner-top isolation (Gravel-pack, screen, frac-pack, slotted liner, etc)
- FLCV – Fluid Loss Control Valve
- Completion suspension barrier (batch completion, fluid-loss)
- Deepwater operations contingency barrier
- Single-trip completion barrier
- Shallow-set lubricator valve
- Tubing Hanger Isolation Device

Features

- Can be RIH Fully Open & Remotely Closed or Mechanically Closed
- Numerous Opening Choices (Hydraulic, Mechanical, CL)
- Multi-cycle opening option
- ISO 28781 / API 19V Qualified
- Patented Equalising Feature to aid opening
- Can be RIH above or below Production Packer

Benefits

- Eliminates intervention during completion deployment
- Can be used in Numerous Applications
- Mechanical contingency operation
- Market leading thru-bore
- Market leading pressure/temperature ratings
- No Debris upon opening



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Specification Matrix

OD	ID	Max Differential Pressure Rating *	Threads size range **	Temperature Rating ***
5.75"	3.00"	10,000 psi	3 ½" – 4 1/2" Premium	165°C (325°F)
6.00"	3.40"	10,000 psi	4 ½" – 4 ½" Premium	
7.60"	4.25"	5,000 psi	4 ½" – 5 1/2" Premium	
8.00"	4.500"	5,000 psi	5 ½" – 7 5/8" Premium	
8.25"	4.00"	10,000 psi	4 ½" – 7 5/8" Premium	
8.25"	4.50"	7,500 psi	5 ½" – 7 5/8" Premium	
9.40	4.75	10,000 psi	5 ½" – 7 5/8" Premium	

*Metallurgy may change to achieve max Pressure Rating.

**Customer to select Premium threads

*** Max Temp Rating is elastomer dependent