

IPV3 – Economy Isolation Valve Data Sheet

Key Benefits:

- Bidirectional barrier allowing operators to
 - Set production Packer
 - Test Tubing
 - Perform BOP/XMT operations
 - Open to give full bore ID.
 - Without intervention
- 100% Successful track record – 5 successful runs to date (Sept 2022)
- Proven track record of saving operators rig time and money
- No Offshore Personnel required
- Various Remote Open options available
- Patented Equalisation feature
- No debris or glass particles introduced to well as part of the opening mechanism
- Debris Tolerance qualified

Overview:

Continuing the outstanding reliability and success of IPV1, the Precision Oiltools IPV3 has proven it can provide a bi-directional completion isolation barrier capability using the IPV1 platform. Utilising field proven sealing and patented equalising barrier valve technology whilst also incorporating the unique robust shear open reliability found in the IPV1 the IPV3 assures trouble-free intervention-less completion deployment.

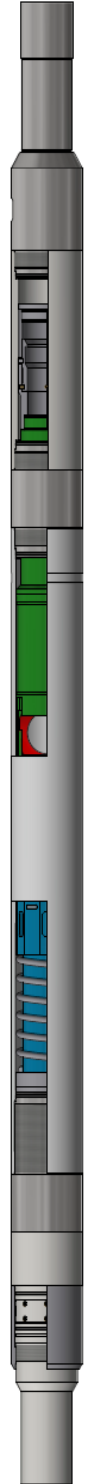
As with the IPV1 the IPV3 does not require specialist offshore personnel for deployment whereby the barrier configuration is set to Operator specifications onshore. Should conditions dictate however, the barrier valve configuration may optionally be adjusted offshore if operations change prior to RIH.

The IPV3 is deployed in the closed position providing a barrier for Packer Setting and Tubing Testing as well providing an in-flow completion barrier.

A circulation device may be deployed with the IPV3 allowing either forward or reverse circulation whilst RIH and offers remote close options.

Upon opening, the IPV3 will provide the completion with Full Bore ID for any future well intervention that may be required.

Like all IPV barrier valves in the Precision Oiltools portfolio the IPV3 has been stringently qualified to API 19V / ISO 28781 with additional rigorous debris tolerance testing. All of which was “virtually” witnessed by the client using a state-of-the-art digital communication platform.



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Specification Matrix

OD	ID	Max Differential Pressure Rating *	Threads size range **	Temperature Rating ***
4.50"	2.998"	5,000 psi (std) 10,000 psi (premium)	2 7/8" – 3 1/2"	165°C (325°F)
5.75"	3.00"	5,000 psi (std) 10,000 psi (premium)	3 1/2" – 4 1/2" Premium	
8.25"	4.00"	10,000 psi	5 1/2" – 7 5/8" Premium	
8.25"	4.50"	5,000 psi	5 1/2" – 7 5/8" Premium	

*Metallurgy will change to achieve max Pressure Rating.

**Customer to select Premium threads.

*** Max Temp Rating is elastomer dependent.

This information is for reference only. Please check on the qualification status that meets your requirements.