

IPV1 – Packer Setting / Tubing Test Barrier Valve

Key Benefits:

- **100% Successful track record – 28 successful runs to date (Sept 2022)**
- **Proven track record of saving operators rig time and money**
- **No Offshore Personnel required**
- **Autofill while RIH**
- **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**
- **Low Cost**
- **HP HT Options available**
- **Easy Contingency option**

Overview:

The IPV1 is a remote open uni-directional barrier valve designed to be installed and run as an integrated part of the completion string or liner. Which has proven to increase the efficiency of the installation process, saving the operator time, cost, improving safety and reducing risk.

The IPV1 is predominately used for remotely setting a packer and/or providing tubing pressure tests during completion deployment in any well condition.

The IPV1 does not require any offshore personnel & can be set up to the Operators specifications onshore or opening setting can easily be adjusted offshore if operations change prior to RIH. The IPV1 can also be configured to allow numerous pressure cycles prior to opening.

The IPV1 incorporates Precision Oiltools patented equalisation feature, before remotely opening the valve, which removes all pressure from the ball before opening. This saves the Operator from a pressure surge during opening process and aids with debris tolerance.

Upon opening, the IPV1 will provide the completion with Full Bore ID for any future well intervention required.

There are a variety of opening options available.

- Single pressure cycle opening – Tunable on the rig floor and accurate to +/- 5% operating pressure
- Multi pressure cycle opening – allowing operators to set production packers and test tubing at a higher pressure than the opening pressure
- Electronic opening mechanism is also available

Field proven HPHT options are also available



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Specification Matrix

OD	Nominal ID	Max Differential Pressure Rating *	Threads size range **	Temperature Rating ***
4.50"	2.28"	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" Premium	
5.75"	3.00"	5,000 psi (std) 10,000 psi (premium)	4 1/2" Premium	
8.00"	4.50"	5,000 psi	5 1/2" – 7 5/8" 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

**** No-Go ID can be tailored to suit Completion design depending on restrictions above the IPV1