

Formation Saver Valve - FSV

Key Benefits:

The primary seal is our proven ball barrier.

Secondary seal from open to closed to form a temporary restriction to activate the primary seal.

Lock open facility to allow bull heading or intervention.

Minimal pressure drop. The piloting mechanism is effectively invisible when producing.

Shifting profile to open and close facilitates use of intervention to lock open and reset the FSV.

Available in all standard sizes.

Special sizes available on request

Overview:

The Precision Oiltools Formation Saver Valve is designed as a cost-effective solution for ESP completions, to protect the formation when the pump is switched off. Installed below the pump, the FSV is open when the pump is in operation and closes as soon as backflow activates the piloting mechanism. A lock open facility gives the option to carry out intervention operations below the FSV.

Application:

Installed in conjunction with ESP completions. When the ESP pump is off, backflow activates the FSV, preventing fluid loss into the formation and loss of fluid in the pump.

The valve will be a unidirectional barrier, holding pressure from above.

The valve will allow production from the well when ESP is turned ON

The FSV will automatically close itself as soon as the ESP is shut off (differential pressure created across the valve). The valve has the feature of locking open so that intervention through the valve can happen.



Technical Information:

Size	2 7/8"	3 1/2"	4 1/2"
Max OD	5.250"	5.500"	7.800"
Max ID	2.312"	2.875"	3.810"
Connections	As per Client Specification		
Pressure Rating	5000PSI		
Temperature Rating	150c		
Metallurgy	As per Client Request		

*Other sizes are available on request.

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