

# Formation Saver Valve - FSV

## Key Benefits:

The primary seal is our proven ball barrier.

A second seal from open to closed to form a temporary restriction that will activate the primary seal.

Lock open facility to allow intervention through the valve.

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 for all standard tubing sizes.

We can tailor a specific

## Overview:

The Precision Oiltools Formation Saver Valve is designed as a cost-effective solution for ESP completions, that will protect the formation when/if the pump is switched off. Installed below the pump, the FSV will be open when the pump is on & in operation but closes as soon as backflow activates the piloting mechanism. A lock open feature 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 will activate the FSV, preventing fluid loss into the formation and loss of fluid in the pump.

The valve is an unidirectional barrier that holds 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 take place.



## 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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