

# SUB SURFACE SAFETY VALVE

## DESCRIPTION

The Tubing Retrievable Subsurface Safety Valve (TRSSSV) is a critical downhole safety device designed to provide an automatic, fail-safe well shut-in mechanism. Installed as part of the production tubing string, it serves as the primary barrier against uncontrolled flow from the well in the event of an emergency.

The valve is hydraulically operated from the surface, closing automatically upon loss of hydraulic control line pressure or other failure conditions. This ensures reliable protection of personnel, equipment, and the environment.

Engineered for high-pressure, high-temperature (HPHT) and sour service applications, the TRSSSV offers maximum bore access and long-term performance reliability. Its tubing-retrievable design allows the valve to be re-armed and returned to service using dedicated intervention tools and accessories, without the need to pull the tubing – minimizing downtime and operational costs.

## FEATURES

- Fail-safe hydraulic design for enhanced well control and safety
- Tubing-retrievable configuration for maximum bore access
- Reliable hydraulic surface control operation
- Suitable for HPHT and sour service environments
- Long service life with minimal maintenance requirements



Tubing Size  
in - [mm]Valve OD  
in - [mm]Internal Packing Bore ID  
in - [mm]Material Strength Group  
Ksi - [MPa]Pressure Rating  
Psi - [Bar]

2,375 - [60,3]

3,7 - [94]

1,875 - [47,6]

80 - [552]

110 - [758]

5000 - [345]

10000 - [689]

2,875 - [73]

4,65 - [118,11]

2,312 - [58,7]

80 - [552]

110 - [758]

5000 - [345]

10000 - [689]

3,5 - [88,9]

5,2 - [132,1]

2,812 - [71,4]

2,562 - [65,1]

80 - [552]

5000 - [345]

2,812 - [71,4]

2,562 - [65,1]

110 - [758]

10000 - [689]

4,5 - [114,3]

7,35 - [186,7]

3,812 - [96,8]

3,688 - [93,7]

80 - [552]

5000 - [345]

3,812 - [96,8]

3,688 - [93,7]

110 - [758]

10000 - [689]

5,5 - [139,7]

7,7 - [195,6]

4,562 - [115,9]

80 - [552]

110 - [758]

5000 - [345]

7 - [177,8]

9,4 - [238,76]

5,963 - [151,5]

80 - [552]

110 - [758]

5000 - [345]

9,625 - [244,5]

12,02 - [305,3]

8,437 - [214,3]

80 - [552]

110 - [758]

3000 - [207]