

# TRSV-5(E)

## Standard Tubing Retrievable SCSSV



### Applications:

- Up to 2,000 ft setting depth
- Up to 5,000 psi tubing shut-in pressure
- Sweet to severely corrosive environments

### Benefits:

- Best in class designed reliability
- Simple to bring wells into production
- Easy to run in any well configuration
- Choice of metallurgy, NACE Materials

### Features:

- Simple, robust design minimizing internal components and leak path
- Equalizing and Non-equalizing options available
- Compact design with lower cost
- Reduced OD that allows for ease of running in the hole
- API 14A 12th ed. Validation Grade V2 (Class 1 & 2) Certification
- Fully qualified four quadrant ISO 13679 tested metal to metal body joint connections
- Working pressures to 5,000 psi

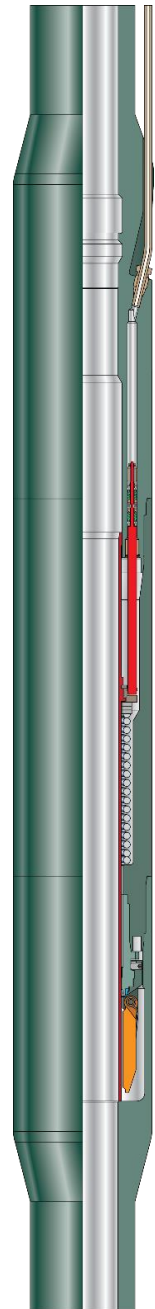
### Description:

The Tejas TRSV is a 5,000 psi rated working pressure, safety valve with a self-equalizing option. It is a rod piston actuated, normally spring closed, fail safe, safety valve which is held open with independent control pressure supplied from the surface by a hydraulic control line that extends through the wellhead to an emergency shut-down (ESD) system at the surface. Removing the control line pressure will return the valve to its normally closed position.

Since the setting depth has a direct effect on the operating characteristics of the valve it is important to know the final setting depth to ensure the power spring is properly designed.

In the unlikely event that the TRSV valve requires remediation, the Tejas Lock Open Tool permanently locks the flow tube of the tubing retrievable safety valve in the full opened position, allowing the non-functioning SCSSV to be permanently disabled thereby allowing installation and unrestricted operation of a secondary SCSSV to be deployed.

Hydraulic communication is achieved via a patented communication system to breach the internal cavity of the hydraulic chamber housing opening a fluid passageway from the control system to the ID of the tubing retrievable SCSSV allowing hydraulic control of a wireline insert SCSSV for continued well control.



TRSV-5(E) Valve  
Open Position



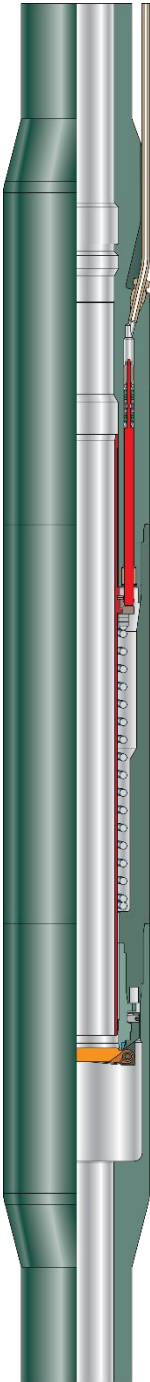
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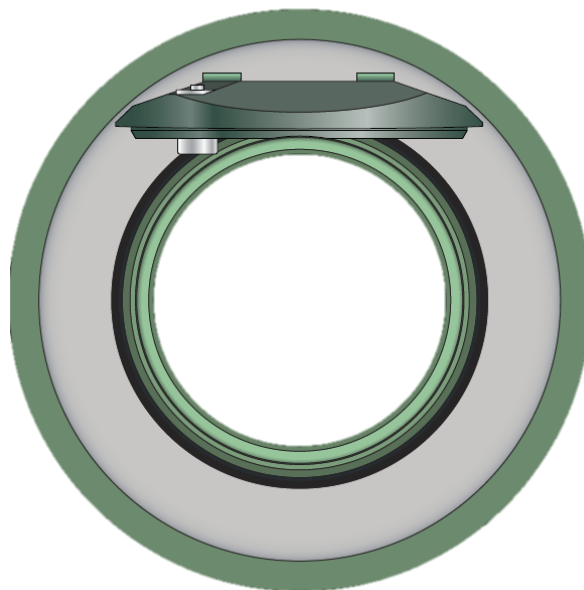


## Engineering Data<sup>†</sup>:



TRSV-5(E) Valve  
Closed Position

Model	TRSV-5(E)	TRSV-5(E)
<b>Tubing Size</b> in [mm]	2.875 [73]	3.500 [88.9]
<b>Max OD</b> in [mm]	4.450 [113]	5.300 [134.6]
<b>Polished Bore</b> in [mm]	2.313 [58.8]	2.813 [71.5]
<b>Working Pressure</b> psi [kPa]	5,000 [34,474]	5,000 [34,474]
<b>Tensile Strength</b> lbf [N]	215,000 [956,368]	272,000 [1,209,916]
<b>Over All Length</b> in [mm]	51 [1,295.4]	51 [1,295.4]
<small>™ The Tejas logo is a trademark of Tejas Research a&amp; Engineering LLC  <sup>†</sup> The engineering data provided illustrate the scope of this product offering and are not all inclusive. Additional sizes and pressure ratings are available upon request.</small>		
Direct request for quotations to: <a href="mailto:product.sales@tejasre.com">product.sales@tejasre.com</a>		



TRSV shown with optional Equalizing Flapper and Dart in the Open Position