

TRCF Tubing Retrievable SCSSV

Large Bore Safety Valve



Applications

- Large bore well completions
- Sweet to severely corrosive environments
- Temperatures from 75degF to 350degF [24.9 degC to 176.7degC]

Benefits

- Fit for service design rigorously tested and qualified to in-situ conditions
- Reduced potential for flow erosion
- No internal shifting components for Lock-out
- Fully tested and qualified for API-14A latest edition
- Piston/seal system qualified to 15,000 psi [103,421 kPa]@ 350degF [176.7degC]

Features

- Robust, compact design with optimized OD to ID ratio
- Minimized internal components and potential leak paths
- Tubing retrievable
- Metal-to-metal body joint seals
- Non-elastomeric dynamic seals
- Metal to Metal static piston seals
- Through flapper equalization available
- Integral nipple (suited for variable nipple profile configurations)

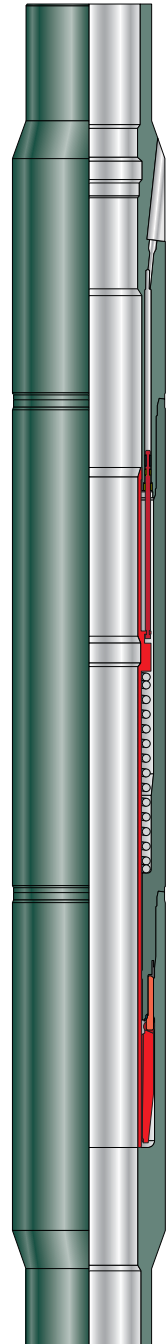
The Tejas TRCF series surface controlled subsurface safety valves (SCSSV) are rated to 10,000 psi [68,948 kPa] working pressure at 350deg F [176.7degC]. TRCF valves are designed to automatically shut in the well and prevent unrestricted well flow in the event of a catastrophic surface or subsurface event.

This valve is a rod piston actuated, normally closed, fail-safe safety valve which is held open with control pressure supplied from the surface by an emergency shut-down (ESD) system to a hydraulic control line that connects to the valve. Loss of control line, ESD system, pressure returns the valve to the closed position.

The Tejas TRCF is designed to be permanently locked in the fully opened position to allow a non-functioning valve to be permanently disabled. The TRCF is also designed with a secondary hydraulic communication device that is shifted by standard wireline methods to provide normal hydraulic operation of a secondary wireline retrievable SCSSV.

The Tejas TRCF safety valve is designed for validation testing, and qualification to meet, or exceed the requirements of the latest editions of API-14A standards.

Metallurgy is tailored to customers specific well applications. Contact Tejas for a Product Specification form.



TRCF
Large Bore
SCSSV



Q1-0099



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Engineering data for TRCF Tubing Retrievable Large Bore Safety Valve †

Model	TRCF-5			TRCF-7.5	TRCF-10	
Tubing Size in [mm]	4.500 [114.3]	5.500 [139.7]	7.000 [177.8]	7.000 [177.8]	7.000 [177.8]	9.625 [244.5]
Max OD in [mm]	7.000 [177.8]	8.250 [209.55]	8.380 [212.9]	8.600 [218.4]	9.000 [228.6]	11.750 [298.5]
Polished Bores in [mm]	3.813 [96.9]	4.563 [115.9]	6.000 [152.4]	6.000 [152.4]	6.000 [152.4]	8.000 [203.2]
Working Pressure psi [kPa]	5,000 [34,473]	5,000 [34,473]	5,000 [34,473]	7,500 [51,710]	10,000 [68,947]	10,000 [68,947]
Tensile Strength lbf [N]	420,000 [1,868,253]	475,000 [2,112,905]	891,243 [3,964,446]	1,248,017 [5,551,456]	1,418,683 [6,310,616]	1,679,000 [7,468,564]

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† 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.

Direct request for quotations to: product.sales@tejasre.com