

Traditional Camco* B Series Safety Valves

Wireline Retrievable Safety Valve



Applications:

- Oil and gas wells
- Critical location wells onshore
- Off shore wells in water to 1,000 ft deep
- Surface controlled via control line
- Wells with shut in pressure to 5,000 psi
- NACE approved material selection with temperatures from 40 deg F to 300 deg F [4 deg C to 149 deg C]

Benefits:

- Long-term performance
- Cost-effective solution that is easy to run and retrieve
- Maximum reliability through fewer potential leak paths
- Reduce problems associated with solids and scale deposition

Features:

- Flapper and seat with full metal-to-metal sealing
- Compliance with API and ISO criteria
- Through-the-flapper, self-equalizing system
- Concentric piston with a premium sealing system
- Optimal geometry and clearance between sliding components
- Suitable for setting depths to 1,000 ft

Description:

The Camco* type B-Series Wireline Retrievable Surface Controlled Subsurface Safety Valve is manufactured in compliance with API 14A and may be monogrammed upon request. Materials of construction are NACE approved and may be specified to any customer requirements. The B-Series WR-SCSSV features a large, straight-through bore for minimum restriction and a concentric piston actuation system for long-term, reliable performance.

The B-Series WRSV is offered in sizes 2.375 to 4.000 in. These valves are designed to accept any manufacturers' locking mandrels and will set in any manufacturer hydraulic landing nipple or tubing retrievable safety valve when equipped with the appropriate locking mandrel and lock adapter. For recommendations on the best combination of B-Series safety system components to match a specific landing profile, contact Tejas Research & Engineering or your local service provider.

Operation:

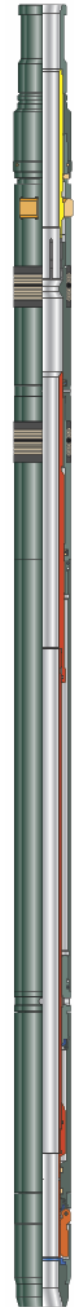
Equalizing, Opening, and Closing

To open the B-Series WR-SCSSV, simply apply hydraulic pressure to the control line. This initiates flowtube movement, which contacts and opens the self-equalizing dart. The shut-in tubing pressure above the flapper will begin to increase and pressure will equalize across the flapper. To fully open the valve after equalization, apply the required amount of hydraulic control line pressure to hold the valve in the open position. Loss of control line pressure by any means, either manual or in emergency conditions, will close the valve.

Installation and Retrieval

To install the B-Series WR-SCSSV, lower and lock the valve into the appropriate hydraulic landing nipple via wireline with the appropriate running tool and running prong. To retrieve the B-Series WR-SCSSV after equalizing, use the appropriate pulling tool and equalizing prong to pull the valve and latch.

For higher pressures, premium metallurgy and elastomers, see Tejas "RESTOR" Valve Series.



B Series Wireline Valve
Open Position



Q1-0099

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Engineering Data:



Tubing Size in [mm]	Nominal Valve Packing OD in [mm]	Max OD In [mm]	Min ID In [mm]	Working Pressure psi [kPa]
2.375 [60.3]	1.875 [47.6]	1.870 [47.5]	0.719 [18.3]	5,000 [34,400]
2.875 [73.0]	2.312 [58.7]	2.307 [58.6]	1.125 [28.6]	5,000 [34,400]
				10,000 [68,900]
3.500 [88.9]	2.812 [71.4]	2.807 [71.3]	1.562 [39.7]	5,000 [34,400]
				10,000 [68,900]
4.500 [114.3]	3.812 [96.8]	3.734 [94.8]	2.125 [54.0]	5,000 [34,400]

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



B Series
Wireline Valve
Closed Position