



SENTRY TRSV

Safety Valve Products

PRODUCT OVERVIEW

The Sentry TRSV is a surface controlled tubing retrievable subsurface valve with ratings up to 10,000 psi (69 MPa) and 300°F (149°C). The Sentry TRSV utilizes a single-piston premium seal actuator and a self-equalizing metal to metal flapper closure seal plus a secondary soft seat.

The Sentry TRSV is a fail safe, normally closed downhole valve that will protect personnel and property against uncontrolled flow in the event of a catastrophic surface event. The flapper is held open with control line pressure and will close when the pressure is released. The self-equalizing flapper design allows for an easy return to production.

The Sentry utilizes premium metal to metal thread connections throughout the body for maximum reliability. There are only two body connections to reduce the amount of potential leak paths.

FEATURES & BENEFITS

- Simple design to minimize internal components and leak paths
- Working pressures up to 10,000 psi (69 MPa)
- Self-equalizing feature
- Metal-to-metal flapper seal
- Available with most common profiles sizes and types
- API 14A Validation Grade V2
- Compact design
- Available accessory tools, including exercise tool, deformation tool and puncture tool.
- Will accept Wireline Retrievable Safety Valve

SPECIFICATIONS

Tubing Size		Maximum OD		Internal Packing Bore		Lock Profile	Pressure Rating		Length	
in.	mm	in.	mm	in.	mm		psi	mPa	in.	m
2 3/8	60.3	3.625	92.08	1.875	47.6	X	5,000	34	41.1	1.04
		3.650*	92.71			X	10,000	69	41.1	1.04
2 7/8	73.0	4.510*	114.55	2.313	58.75	X	10,000	69	49	1.25
		4.625	117.48			X	10,000	69	47.5	1.21
3 1/2	88.9	5.200	132.08	2.813	71.45	X	5,000	34	48.0	1.22
		5.750	146.05			X	10,000	69	48.0	1.22
4 1/2	114.3	6.938	176.23	3.813	96.85	X	5,000	34	51.9	1.32

* Slimhole Diameter

