

TUBING CONVEYED SUBSURFACE SAFETY VALVE (TC SSSV) PRODUCT 810

The **TechWest Tubing Conveyed Sub-Surface Safety Valve (TC SSSV)** is a fail-closed, non-elastomeric, tubing conveyed valve designed to control unwanted flow in case of damaged wellhead. It is controlled using a hydraulic control line to surface, connected to the Emergency Shut-Down system, held open with positive pressure maintenance.

The TC-SSSV employs either auto-levered or humped flappers, both able to utilize equalizing poppet valves.

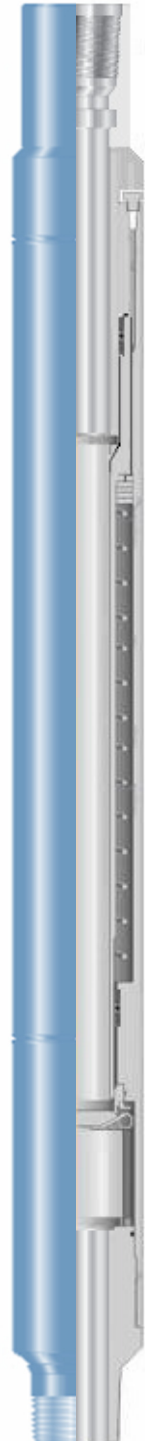
To ensure the valve functions properly in paraffin, wax and sand containing environments, special metallurgy, coatings, and high-thrust springs are implemented into the design.

The upper section contains a landing profile to set a wireline retrievable Sub-Surface Safety Valve, separation sleeve or insert valve. In the event of the TC SSSV malfunction, control pressure communications is created by punching a hole into the control line chamber, and a wireline conveyed SSSV may then be landed in to the landing profile to control flow.

The TC SSSV is normally designed to open at 2,500 psi above shut-in or flowing pressure, and may be modified to meet specific wellbore requirements.

FEATURES

- Reliable and robust
- Temperature rated from 20°F to 300°F
- Standard EUE connections and X and F profiles.
- Standard 9Cr and 13 Cr material.
- Available in different thread connections, landing profiles and different materials upon special request.



SPECIFICATIONS

801 SPECIFICATIONS					
Size	Product Number	Max OD	Seal Bore	Standard Connection	Working Pressure
		in	in		psi
2 3/8	810-2305-00-00	3.625	1.875	EUE	5,000
2 3/8	810-2310-00-00	3.625	1.875	EUE	10,000
2 7/8	810-2705-00-00	4.625	2.312	EUE	5,000
2 7/8	810-2710-00-00	5.135	2.312	EUE	10,000
3 1/2	810-3505-00-00	5.380	2.812	EUE	5,000
3 1/2	810-3510-00-00	5.650	2.812	EUE	10,000
4 1/2	810-4505-00-00	7.125	3.812	EUE	5,000
4 1/2	810-4510-00-00	7.500	3.313	EUE	10,000
4 1/2	810-4511-00-00	7.500	3.812	EUE	10,000
5 1/2	810-5505-00-00	8.375	4.562	EUE	5,000
5 1/2	810-5510-00-00	8.875	4.562	EUE	10,000