

### Description

Superior Completion Services' FlowSafe™ Wireline-Retrieval (WR) Safety Valve is a flapper-type, equalizing or non-equalizing, surface-controlled subsurface safety valve (SCSSV). The patent-pending valve is designed to provide subsurface isolation to minimize loss of production, protect human life, and reduce the potential for environmental discharge or damage to production equipment resulting from an uncontrolled surface or subsurface event.

The FlowSafe™ WR Safety Valve can be installed as a primary safety valve landed in a hydraulic nipple. It can also be used to remediate a failed tubing-retrievable (TR) safety valve or as an integral part of the InjectSafe® chemical injection system.

### Applications

- » Offshore environments and in onshore wells located in environmentally sensitive areas
- » Any area in which the integrity of the wellhead can be compromised

### Features and Benefits

- » Hydraulically controlled
- » Certified per API 14A specifications
- » Maximized flow-through ID design
- » Self-equalized through flapper option
- » Optimized design helps eliminate sand fouling
- » Compact design and minimal number of parts increases reliability
- » Replacement for an existing TR safety valve
- » Facilitates flow assurance well design criteria
- » Minimized number of potential leak paths
- » Premium metallurgies available for varied environments



### Technical Data

FlowSafe™ WR Safety Valves										
Tubing Size*		Model	Minimum ID		Polished Bores				Working Pressure	
in.	mm		in.	mm	in.	mm	in.	mm	psi	MPa
2 3/8	60.3	BW(E)-5/10	0.810	20.57	1.875	47.6			5,000 or 10,000	34,474 or 68,948
2 7/8	70.3	BW(E)-5/10	1.125	28.58	2.313	58.7	2.188	55.6		
3 1/2	88.9	BW(E)-5/10	1.500	38.10	2.813	71.4	2.750	69.9		
4 1/2	114.3	BW(E)-5/10	2.125	53.98	3.813	96.9	3.688	93.7		
5 1/2	139.7	BW(E)-5/10	2.600	66.04	4.563	115.9				
7	177.8	BW(E)-5/10	3.500	88.90	5.963	151.0	6.000	152.0		

\* The data provided above is not inclusive of all pressure ratings and ODs available in the tubing sizes listed. For additional information, contact your Superior Completion Services representative.

### References

- » Reconnect™ system data sheet
- » InjectSafe chemical injection system data sheet
- » FlowSafe™ TR safety valve data sheet
- » FlowSafe™ SCSSV brochure