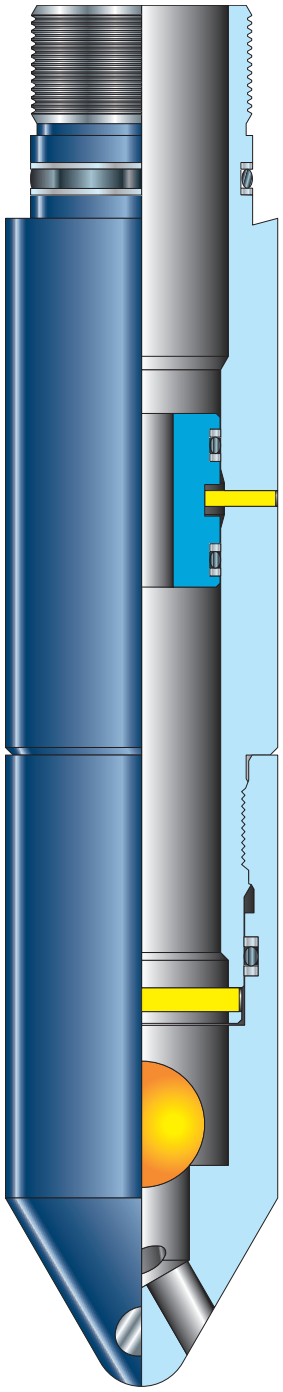
Schlumberger

HP-SV Equalizing Standing Valve

The HP-SV equalizing standing valves are slickline-retrievable, ball-and-seat-type check valves designed to hold pressure from above the plug while allowing flow through the plug from below.



APPLICATION

- Unidirectional flow control in single and dual completions

BENEFIT

- Reliable in high-pressure applications

FEATURES

- High-pressure, high-temperature design
- Integral equalizing feature

The HP-SV standing valve has an integral equalizing device. It is designed to be attached to an HPC-R or CBNS-R lock and set in the appropriate D-series or D-15 no-go landing nipple.

HP-SV equalizing standing valves are used either in setting packers or in testing the tubing string. When installed on the proper lock, HP-SV equalizing standing valves will withstand differential pressure from above up to 10,000 psi [68,950 kPa] at 300°F [149°C].

DESCRIPTION AND OPERATION

The HP-SV valve is assembled to the appropriate lock and run into the well using standard slickline methods. The assembly is lowered into the tubing until the lock shoulders against the no-go shoulder in the nipple bore. Downward jarring engages the locking dogs to anchor in the nipple.

When retrieving the standing valve, the appropriate PRS pulling tool with attached equalizing prong is lowered to latch in the fishing neck of the lock. The prong shears the equalizing sleeve in the standing valve. The tool then engages the lock fishing neck. After equalization, the lock and attached standing valve are retrieved from the well.

A-Series Tubing Stop Specifications

Tubing Size (in. [mm])	Max. OD† (in. [mm])
2.375 [60.3]	1.718 [43.6]
	1.781 [45.2]
2.875 [73.0]	1.890 [48.0]
	2.000 [50.8]
	2.031 [51.6]
	2.156 [54.8]
	2.156 [54.8]
	2.296 [58.3]
3.500 [88.9]	2.625 [66.7]

† Other sizes are available on request. Contact your local Schlumberger representative.