

CementGARD™ Wireline Injection Valve

Wireline Retrievable Pump-Through Barrier



Applications:

- Cementing Operations
- Flow-back prevention
- Unlimited setting depth
- Working Pressure up to 10,000 psi [690 bar]
- Temperatures up to 300°F [149°C]

Benefits:

- No control lines
- Passive autonomous control
- Low pressure loss
- Rapid wireline deployable
- Simple installation and recovery operations

Features:

- Variable orifice design
- Erosion resistant materials
- Metal-to-Metal seal
- Lock flexibility

Description

The CementGARD™ is designed to allow the operator rapid running speeds for setting in a dedicated nipple (with an OEM Lock, if available), or with the Tejas FlexLOK™ Nippleless Lock to set anywhere in the tubing. Cementing and displacement fluid flow through the CementGARD™ into the lower sections of the completion. Once pumping is complete, the metal-to-metal, GARD™ System's ball-and-seat along with an additional resilient soft seal prevent any fluids from flowing back up through the tubing. The valve is made specifically for cement applications and is highly debris tolerant. Once well cementing operations are complete, the CementGARD™ can be easily recovered for continued well intervention, as required. You can think of the CementGARD™ as the most cement tolerant, wireline retrievable, one-way valve available on the market.

The CementGARD™ can also be deployed with Tejas HiFLO™ Lock in a dedicated HiFLO™ Nipple designed specifically for injection completions. We look forward to discussing your specific well conditions and working with your preferred wellhead provider to solve your most difficult cementing applications.

10,000 psi CementGARD™ Wireline Retrievable Valve†			
Tubing Size in [mm]	Polished Bore in [mm]	Max OD in [mm]	Max Cementing Rate bbl/min
2.875 [73.02]	2.313 [58.75]	2.220 [56.39]	2.0
3.500 [88.90]	2.813 [71.45]	2.720 [69.09]	
4.500 [114.30]	3.813 [96.85]	3.720 [94.49]	

† The engineering data provided illustrate the scope of this product offering and are not all inclusive. Additional sizes and functionality are available upon request.



CementGARD™ with OEM Lock



CementGARD™ with FlexLOK™ Nippleless Tool Anchor