

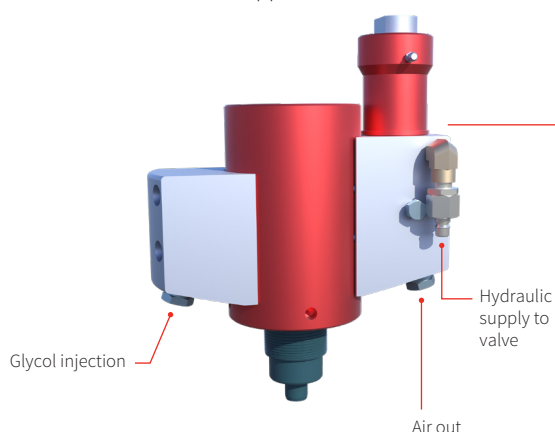
Elmar Venting/Glycol Injection Valve

Reducing non-productive time using the Elmar™ Venting/Glycol Injection Valve will give operational cost savings.

Our venting/glycol injection valve is designed to save rig time while pressure testing the wireline pressure control equipment string through the removal of trapped and entrained air.

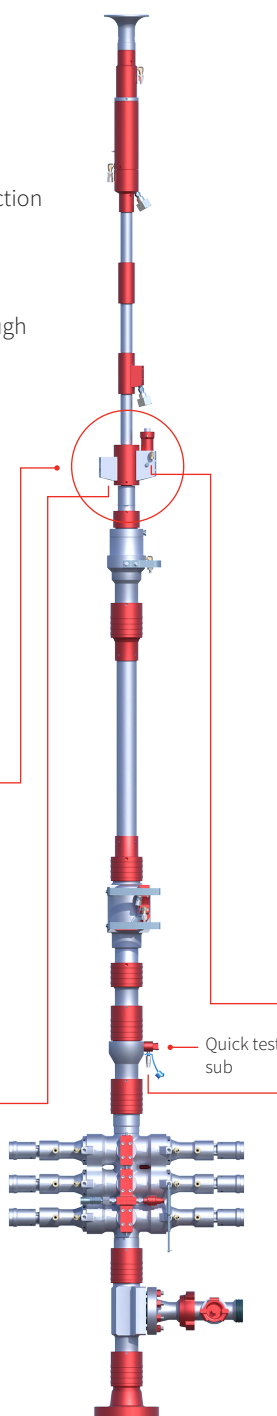
The venting/glycol injection valve can be controlled from a test pump unit and hand pump and has three functions:

(1). Before pumping commences, hydraulic pressure is applied thereby opening the vent valve which allows air to escape, making the filling operation quicker. Once escaping fluid is observed the valve is closed allowing the operator to pressure test, confident that no air is trapped.



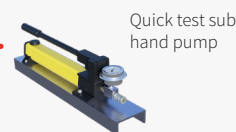
(2). When bleeding down the lubricator this valve can be opened to allow air back into the system thereby discharging the fluid quickly.

(3). Glycol can be injected below the grease head - the point most affective to prevent the formation of hydrates.



Features and benefits

- Allows faster filling or draining of riser reducing non-productive time
- Ensures air is vented providing solid first-time test and faster settling times
- Combat challenging well conditions, providing glycol injection direct to the trouble spot
- Inject through an Integral and replaceable check valve that eliminates well pressure return to the injection unit
- Replaceable manifold blocks that ensures protection of venting and injection mechanism
- Use in conjunction with a quick test sub for maximum operational time saving
- Full material traceability and 3rd party independent approval covering API 6A, and NACE (for H₂S)



Weights and dimensions example

	Height	Weight
10 k venting/glycol injection valve Bowen 2 in. -10	7 in. (17 cm)	49 lb (22 kg)
15 k venting/glycol injection valve Bowen 2 in. -10	7 in. (18 cm)	40 lb (18 kg)

Options

- Supplied with any industry standard quick unions for slickline operations
- Chemical injection unit and hoses
- Hand pump and hose
- Vent only valve