

## 3/4" & 1" MULTI-TURN MANUAL GATE VALVE

RANGE: SUBSEA VALVES

PRODUCT ID: DS-VTK-GV75-2

reliability  
under  
pressure



### KEY FEATURES

- Successfully completed the PR2 Performance Verification Test of API 6A Appendix F and API 17D 2nd Edition. Testing included a 1200 cycle endurance test at full differential design pressure.
- Dual stem seal arrangement. The primary gland is a unique Moly filled PTFE multi-ring chevron style gland incorporating two spring energised 'U' cup seals. The secondary gland is a spring energised, Moly filled 'U' cup seal. Both seals were tested independently during qualification.
- Stem has fully functional Metal-to-Metal back seat when valve is in the fully closed position.
- Metal-to-Metal seal between Seat to Gate, Seat to Body and Body to Bonnet.
- By design, the drive train failure point is external of valve.
- Position indication system provides anchorage for indicator plate or for push-pull type indication system.
- Drive train safety factor when compared to Nominal operating torque is well in excess of 5 to 1.
- Unique sprung non-elastomeric seal behind seat provides low pressure sealing and protects the valve cavity from debris.
- Slab Gate design offers uninterrupted flow passage through valve bore.
- Standard material certification for pressure retaining and controlling parts are to API 6A PSL3 and BS EN 10204 3.1 (3.2 option available).

### TECHNICAL SPECIFICATION

- Bore Size: 3/4" & 1" [19mm & 25mm].
- Pressure Rating: 15,000 PSI [1035 BAR].
- Depth Rating: Hyperbarically tested to a water depth of 10,000ft [3050m].
- Temp Rating: PR2 Tested at temperatures between -29°C [-20°F] and 150°C [302°F].
- Materials: Available in API Material classes FF and HH to NACE MR-01-75 latest Rev..

### OPERATOR

- Nominal operating Torque: 75 lbf-ft [102 N-m].
- Max. Design Torque: 200 lbf-ft [271 N-m].
- Torque to failure: 400 lbf-ft [542 N-m].
- Crossbar option for diver operation.
- Stem can be provided with various geometry to suit extension rods or ROV interface.
- Can be supplied with direct mount ROV receptacle.

