

**TEST RESULTS**


1. TEST FLUID: HELIUM 99.996 PURE
2. TEST TEMPERATURE: 27°C (ROOM TEMPERATURE)
3. TEST PRESSURE: 261 PSI / 18 BAR
4. LEAKAGE MEASUREMENT TAKEN AFTER PRESSURE STABILITY PERIOD: 15 MINS
5. NUMBER OF MECHANICAL CYCLES: 5
6. TORQUE AS PER DESIGN: 54 Nm
7. TORQUE MEASURED: 50 Nm
8. STEM SEAL ADJUSTMENT: 0
9. ALLOWABLE FUGITIVE EMISSION MEASURED LEAK RATE:  
 STEM SEAL:  $1.76 \times 10^{-7}$  atm x cc/sec x mm dia  
 BODY / BONNET:  $1.76 \times 10^{-8}$  atm x cc/sec x mm dia
10. LEAKAGE RESULTS

	STEM	BODY / BONNET
LEAKAGE ALLOWED	$3.34 \times 10^{-6}$	$1.76 \times 10^{-6}$
ACTUAL LEAKAGE	$1.8 \times 10^{-7}$	$3.0 \times 10^{-7}$
BACKGROUND HELIUM LEVEL: $1.8 \times 10^{-7}$ atm x cc/sec		

11. MEETING SHELL TIGHTNESS CLASS: A (HS)

REMARKS : The leakage was below the allowable leakage rate throughout the test.

RESULT : Pass Satisfactorily

Tested by:   
 INSPECTOR

Approved by:   
 QUALITY MANAGER

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