


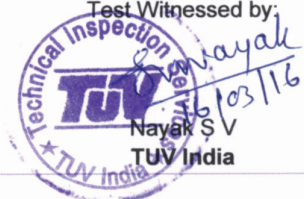
 L&T Valves Limited	TEST REPORT	REF. NO.	LTV-DDVL-1319	REV.NO.	0
		DATE	16-Mar-2016	PAGE	1 of 6
PROOF OF DESIGN TEST REPORT : DN 250 PN16 AQUASEAL BUTTERFLY VALVE					


1.0 Objective:

To conduct Proof of Design Test (POD) as per the procedure POD-BFV-PN16-01 R1 on Aquaseal Butterfly Valve.

2.0 Test Details:

<i>Manufacturer</i>	M/s L&T Valves Limited, Kancheepuram
<i>Location of test</i>	M/s L&T Valves Limited, Kancheepuram
<i>Test dates</i>	29-Feb-16 to 15-Mar-16
<i>Customer</i>	Internal reference
<i>Valve Serial Number</i>	POD-BFV-01 / K2K26W5
<i>Valve size / Pressure class / Type</i>	DN 250 (NPS 10) / PN16 / Aquaseal Butterfly Valve
<i>Valve Material (Body)</i>	EN 1564 EN-GJL-250 / IS 210 FG260
<i>Body Lining</i>	BLACK NITRILE
<i>Disc</i>	IS EN1563 EN-GJS-400-18 + Nylon
<i>Method of sample selection</i>	Random
<i>Test fluid</i>	Water
<i>General Assembly Drawing</i>	2 IWN GSL-BF-02 R0

Test Conducted by:  Thirugnanasambandan K L&T Valves Limited		Test Witnessed by:  Ravi C L&T Valves Limited	
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3.0 Test Procedure:

<i>Procedure reference</i>	POD-BFV-PN16-01 R1
<i>Shaft Orientation</i>	Vertical
<i>Differential pressure for cycling</i>	16 bar
<i>Seat test pressure – Hydrostatic</i>	18 bar
<i>Dwell time under pressure</i>	15 sec
<i>Number of mechanical cycles</i>	10000
<i>Measurement of leakage</i>	Every 1000 cycles
<i>Acceptance criteria for seat leakage - Hydrostatic</i>	No visible leakage





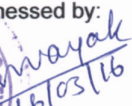
4.0 Test Results:

4.1 Body Shell Test

Test Description	Pressure (bar)	Duration (minute)	Leakage (ml/min)
Hydrostatic Shell	24	10	Nil

4.2 Disc Strength Test

Test Description	Pressure (bar)	Duration (minute)	Leakage (ml/min)
Side A	24	10	Nil
Side B	24	10	Nil

Test Conducted by:  Thirugnanasambandan K L&T Valves Limited		Test Witnessed by:  Ravi C L&T Valves Limited		Test Witnessed by:  Nayak S V TUV India
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