

C E R T I F I C A T E

This certifies, that the company

L&T Valves
L&T Campus, TC1 – 2nd Floor, Mount – Poonamallee Road
Manapakkam, Chennai – 600 089
India

Is authorized to provide the product mentioned below

Description of product: **Floating Ball Valves 0.5" ≤ DN ≤ 8" (Class 150 to 2500),
Service Temp. -196 Deg C to 300 Deg C, Fluid Oil and Gas**

In accordance with: **IEC/EN 61508:2010 Parts 2, 4**

Registration No 22 22770 01
Test Report No PS-27869-25-M-01
File reference 27869-01



TÜV Nord Italia S.r.l (TÜV NORD Group)
Via Turati, 70 – 20023 Cerro Maggiore (MI) – Italy



www.tuev-nord.it

Validity
from 2025-09-29
until 2028-09-28

Cerro Maggiore, 2025-09-29
prodotto@tuev-nord.it

Type	A
HFT	0
Safety functions	1. Correct switching on demand (open to closed) 2. Correct switching on demand (closed to open)
Mode of operation	Low Demand Mode

Random failure rates				
Configuration	Safety function	λ_{DU} [1/h]	λ_{DD} [1/h]	λ_S [1/h]
Floating Ball Valves $0.5'' \leq DN \leq 8''$ (Class 150 to 2500), Service Temp. - 196 Deg C to 300 Deg C, Fluid Oil and Gas	1	5,29E-08	8,77E-08	0,00E+00
Floating Ball Valves $0.5'' \leq DN \leq 8''$ (Class 150 to 2500), Service Temp. - 196 Deg C to 300 Deg C, Fluid Oil and Gas	2	4,45E-08	9,61E-08	0,00E+00

Systematic capability	3 (Route 2 _S applied)			
Architectural constraints	Route 1 _H :	N/A	Route 2 _H :	Applied
	• See the relevant assessment report for the max SIL achievable.			
Remarks:	• For further details, including environmental conditions, limitations of use, lifetime, failure rates traceability, mean repair times, common cause factors and systematic capability constraints, make reference to Safety Manual. λ_{dd} is only accountable if partial valve stroke is implemented as external diagnostics.			

