

CERTIFICATE

This certifies, that the company

Sferova S.r.l.

Via delle Industrie 30/32

20884 Sulbiate (MB)

Italy

Is authorized to provide the product mentioned below

Description of product: **2-ways bolted top entry trunnion mounted ball valve series TEV-T**

In accordance with: **EN 61508:2010 Parts 1, 2, 4, 5, 6, 7**
The product meets also the requirements of standard **EN 17955:2024**



Registration No 20 20257 03
Test Report No PS-28679-26-M-03
File reference 28679-03

Validity
from 2026-06-10
until 2029-06-10

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Cerro Maggiore, 2026-06-10
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Type	A
HFT	0
Safety functions	1. Close / Open upon the demand of the actuation system 2. Close upon the demand of the actuation system, with inline tightness when in closed position
Mode of operation	Low Demand Mode

Random failure rates				
Configuration	Safety function	λ_{DU} [1/h]	λ_{DD} [1/h]	λ_s [1/h]
Self-relieving / Double piston effect - No PST	1	1,10E-07	0,00E+00	0,00E+00
Self-relieving / Double piston effect - With PST	1	9,94E-09	1,01E-07	0,00E+00
Self-relieving - No PST	2	1,13E-07	0,00E+00	0,00E+00
Self-relieving - With PST	2	1,20E-08	1,01E-07	0,00E+00
Double piston effect - No PST	2	1,13E-07	0,00E+00	0,00E+00
Double piston effect - With PST	2	1,20E-08	1,01E-07	0,00E+00

Systematic capability	3 (Route 1s applied)			
Architectural constraints	Route 1H:	Applied	Route 2H:	Applied
	The product can be used in: <ul style="list-style-type: none"> single channel configuration: <ul style="list-style-type: none"> up to SIL 2 without external diagnostic tests up to SIL 3 considering external diagnostic tests (only for Safety Function 1) double channel configuration: up to SIL 3 			
Remarks:	<ul style="list-style-type: none"> Self-relieving configuration: both upstream and downstream seats shall be of self-relieving type (i.e. single barrier in the flow direction) Double piston effect configuration: at least downstream seat shall be of double piston effect type (i.e. double barrier in the flow direction) 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 6.09-SIL-SAFETYMANUAL 			

