

C E R T I F I C A T E

This certifies, that the company

Alfa Valvole S.r.l.
Viale del Lavoro 19
20003 Casorezzo (MI)
Italy

Is authorized to provide the product mentioned below

Description of product: **3-ways floating ball valve series C3, C4, CT, CQ, 30, 32, 31, 33**

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 23 22451 03
Test Report No PS-29009-26-M-03
File reference 29009-03

Morina Guido

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

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Validity
from 2026-08-19
until 2029-08-19

Cerro Maggiore, 2026-08-19
prodotto@tuev-nord.it

Type	A
HFT	0
Safety functions	1. Valve operation 2. Valve operation with inline tightness
Mode of operation	Low Demand Mode

Random failure rates				
Configuration	Safety function	λ_{DU} [1/h]	λ_{DD} [1/h]	λ_S [1/h]
3-ways floating - No PST	1	1,40E-08	0,00E+00	0,00E+00
3-ways floating - With PST	1	1,26E-09	1,27E-08	0,00E+00
3-ways floating - No PST	2	2,01E-08	0,00E+00	0,00E+00
3-ways floating - With PST	2	7,42E-09	1,27E-08	0,00E+00

Systematic capability	3 (Route 1s applied)			
Architectural constraints	Route 1 _H :	Applied	Route 2 _H :	Applied
	The product can be used in: - single channel configuration: - 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:	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 SM3W Rev. 3			

