

This certifies, that the company

**Via Ponte Nuovo, 11
25050 Rodengo Saiano (BS)
Italy**

Is authorized to provide the product mentioned below

Description of product: **Split body floating ball valve series Prochemie**

In accordance with: **EN 61508:2010 Parts 1, 2, 4, 5, 6, 7**

Mono Ginn



Validity
from 2024-11-22
until 2027-11-21

Cerro Maggiore, 2024-11-20
prodotto@tuev-nord.it

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]
Series Prochemie - No PST	1	3,03E-08	0,00E+00	0,00E+00
Series Prochemie - With PST	1	2,72E-09	2,75E-08	0,00E+00
Series Prochemie - No PST	2	3,49E-08	0,00E+00	0,00E+00
Series Prochemie - With PST	2	7,32E-09	2,75E-08	0,00E+00

Systematic capability	3 (Route 1 _s 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 SMA201802			

