

## CERTIFICATE

Certificate no.

17-SIL-0010082-01-TIC

WE HEREBY CERTIFY THAT

Product description

**BOLTED SIDE ENTRY TRUNNION MOUNTED BALL** 

**VALVES** 

Models

**Series 100, 200** 

Manufacturer

STARLINE S.p.A.

Via dei Livelli di Sopra 11 – 24060 Costa di Mezzate BG

IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE STANDARDS

IEC 61508 Parts 1-7:2010

AS RESULT OF THE ASSESSMENT ACCORDING TO THE PROVISION

SET OUT IN THE ABOVE-MENTIONED STANDARDS

Summary Report no. RC-0718-SIL-TIC-PC-0010082-17-02

Expiry date

22.07.2021

Note

This certificate is issued upon the request of the manufacturer as voluntary certification; it does

not include the production surveillance.

This certificate does not allow the manufacturer to use the safety mark of TÜV INTERCERT.



Dipl. Ing. Feridoon Sergizzarea

TÜV INTERCERT Certification Body

Reggio Emilia, 23.07.2018



## ANNEX to Certificate no. 17-SIL-0010082-01-TIC

Type	A	-			
HFT	0				
Safety functions	<ol> <li>Close / Open upon the demand of the actuation system</li> <li>Close upon the demand of the actuation system, with inline tightness when in closed position</li> </ol>				
Mode of operation	Low Demand Mo	de			
		Random failure rates			
Configuration		Safety function	λ <sub>DU</sub> [1/h]	λ <sub>DD</sub> [1/h]	λ <sub>s</sub> [1/h]
Self-relieving - No PST		1	6,26E-08	0,00E+00	0,00E+00
Self-relieving - With PST		1	5,63E-09	5,69E-08	0,00E+00
Self-relieving - No PST		2	8,38E-08	0,00E+00	0,00E+00
Self-relieving - With PST		2	2,69E-08	5,69E-08	0,00E+00
Double piston effect - No PST		1	6,26E-08	0,00E+00	0,00E+00
Double piston effect - With PST		1	5,63E-09	5,69E-08	0,00E+00
Double piston effect - No PST		2	7,27E-08	0,00E+00	0,00E+00
Double piston effect - With PST		2	1,58E-08	5,69E-08	0,00E+00
Systematic capability	3 (Route 1 <sub>s</sub> ap	oplied)			
	Route 1 <sub>H</sub> :	Applied	Route 2 <sub>H</sub> :	Applied	ľ
Architectural constraints Remarks:	o up to o o up t	an be used in:  annel configuration:  SIL 2 without external diages.  SIL 3 considering external annel configuration: up to ring configuration: both u ype (i.e. single barrier in t iston effect configuration ect type (i.e. double barrier or details, including envir es traceability, mean rep constraints, make referer	I diagnostic tests SIL 3 pstream and do the flow direction at least down or in the flow dire conmental condit air times, comm	wnstream seats  ) stream seat shaction) ions, limitations on cause factors	of use, lifetime
	E	END OF CERTIFICA	TE		

Reggio Emilia, 23.07.2018

Feridoon Sergizzarea TUV INTERCERT Certification Body