

C E R T I F I C A T E

This certifies that the company

KSB MIL Controls Limited
Meladoor, Annamanada, Thrissur District,
Kerala – 680741
India

Is authorized to provide the product mentioned below

Description of product: **Globe Valves**

Models:

10000 Series – Double Ported Top and Bottom Guided Control Valves
21000 Series – Top Guided Single Seated Control Valves
27000 Series – Compact globe Control Valves
29000 Series – Micro pack control Valves
41000 Series – Heavy Duty Cage Guided Control Valves
64000 Series – Steam conditioning (inline)
70000 Series – High Pressure Angle Body
71000 Series – Angle Body Valves
74000 Series – Steam conditioning (angle)
76000 Series – High Pressure Letdown Control Valves
77000 Series – Multistage Low Lo-dB Control Valves
78000 Series – Multistage Anti Cavitation & Low Noise Control Valves
81000 Series – Three Way Combining and Diverting Control Valves
91000 Series – Matrix Series- severe service control valves with Multi stage Multi Path Trim

In accordance with: **IEC/EN 61508:2010 Parts 1, 2, 4**

Registration No 22 23622 01
Test Report No PS-28396-26-M-01
File reference 28396-01



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



www.tuev-nord.it

Validity
from 2026-07-27
until 2029-07-27

Cerro Maggiore, 2026-07-27
prodotto@tuev-nord.it

Type	A
HFT	0
Safety functions	1. Correct switching (Open to Close / Close to open) on demand , in low demand mode of operation
Mode of operation	Low Demand Mode

Random failure rates				
Configuration	Safety function	λ_{DU} [1/h]	λ_{DD} [1/h]	λ_S [1/h]
MIL 21000, MIL 27000, MIL 70000 - No PST	1	1,98E-07	0,00E+00	0,00E+00
MIL 21000, MIL 27000, MIL 70000 - With PST	1	9,61E-08	1,02E-07	0,00E+00
MIL 41000, MIL 64000, MIL 71000, MIL 74000 - No PST	1	3,92E-07	0,00E+00	0,00E+00
MIL 41000, MIL 64000, MIL 71000, MIL 74000 - With PST	1	1,90E-07	2,02E-07	0,00E+00
MIL 76000, MIL 77000 - No PST	1	1,76E-07	0,00E+00	0,00E+00
MIL 76000, MIL 77000 - With PST	1	8,52E-08	9,04E-08	0,00E+00
MIL 78000 - No PST	1	1,91E-07	0,00E+00	0,00E+00
MIL 78000 - With PST	1	9,28E-08	9,85E-08	0,00E+00
MIL 81000 - No PST	1	3,11E-07	0,00E+00	0,00E+00
MIL 81000 - With PST	1	1,51E-07	1,60E-07	0,00E+00
MIL 91000 - No PST	1	2,86E-07	0,00E+00	0,00E+00
MIL 91000 - With PST	1	1,39E-07	1,47E-07	0,00E+00
MIL 29000 - No PST	1	2,69E-07	0,00E+00	0,00E+00
MIL 29000 - With PST	1	1,29E-07	1,39E-07	0,00E+00
MIL 10000 - No PST	1	6,51E-07	0,00E+00	0,00E+00
MIL 10000 - With PST	1	3,16E-07	3,35E-07	0,00E+00

Systematic capability	3 (Route 2 _s applied)			
Architectural constraints	Route 1 _H :	Not Applied	Route 2 _H :	Applied
	The product can be used in: - single channel configuration: up to SIL 2 - 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 SM/Linear Valves and Actuators/2025 (rev. 1, 10.05.2026)			

