



SUPREME ENTERPRISE

Industrial Valves

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Doc. No.	SV-DATA-2026-GLOBE_VALVE_BUTT_WELD_ENDS_CLASS_1500_2500			Page	1 OF 1
Rev.	A			Date	13-Jun-2026
Globe Valve Butt Weld Ends Class 1500/2500 -- Technical Datasheet					
R	REFERENCES & RELATED DOCUMENTS				
R1	P&ID / Process Diagram	N/A -- Product Datasheet	Piping Material Spec.	N/A -- Product Datasheet	
R2	Project Standard / Spec.	BS 1873, ASME B16.34, ASME B16.25, API 598			
1	GENERAL				
2	P&ID No. / Tag No.	N/A -- Product Datasheet	Piping Class	ASME Class 1500 / 2500	
3	Valve Tag / Item No.	N/A -- Product Datasheet	Quantity Required	As required	
4	Design Standard	BS 1873, ASME B16.34, ASME B16.25, API 598	Pressure Class / Rating	ASME Class 1500 / 2500	
5	Valve Size, Inlet x Outlet	2" to 16" (DN50 – DN400)	End Connection	Butt Weld per ASME B16.25 (RTJ flanged on request)	
6	Valve Type / Model	Globe Valve Butt Weld Ends Class 1500/2500	Operation Mode	Heavy-duty OS&Y globe valve with butt-weld ends for Class 1500/2500 high-pressure high-temperature steam and process mains -- gear or motor operated	
6A	Service / Application	High Pressure Steam, Power Plants, Refineries, Petrochemical	Fluid State	Liquid / Gas / Steam (as applicable)	
7	DESIGN CONDITIONS				
8	Design Pressure	ASME Class 1500 / 2500	Design Temp. Min / Max	-10°C to +550°C (HT steam) -- per project	
9	Operating Pressure	ASME Class 1500 / 2500	Operating Temp.	Saturated / superheated steam -- project-specific	
10	Set / Relief Pressure	N/A -- Product Datasheet	Back Pressure	N/A -- Product Datasheet	
11	Fluid Handled / Service	High Pressure Steam, Power Plants, Refineries, Petrochemical	Corrosion Allowance	As per project specification	
12	Required Capacity / Flow Rate	As per valve size and pressure class	Location / Installation	Indoor / Outdoor / Offshore / Marine (as applicable)	
13	VALVE OPERATION REQUIREMENT				
14	Type of Valve Operator	Heavy-duty OS&Y globe valve with butt-weld ends for Class 1500/2500 high-pressure high-temperature steam and process mains -- gear or motor operated	Actuator Specification	ISO 5211 pad (actuated) -- Electric / Pneumatic / Hydraulic on request	
15	Fail-Safe Position	As per project / application requirements	Accessories Required	Limit switches, positioners, solenoid valves, manual override -- on request	
16	VALVE MATERIAL SPECIFICATION (EQUIVALENT OR SUPERIOR)				
	Valve Part	Specified Material	Proposed Material (Supreme Valves India)		
	Body	As per project specification	ASTM A217 WC6 / WC9 (Cr-Mo Alloy Steel) / A216 WCB		
	Bonnet / Cover	As per standard	As per standard / matching body grade		
	Trim (Disc / Seat)	As per standard	A217 WC6 + Stellite 6 hardfacing		
	Stem / Spindle	As per standard	ASTM A182 F6a / F22, OS&Y rising		
	Gasket / Packing	As per standard	Spiral wound SS316 + graphite / RTJ ring		
	Bolting / Nuts	As per standard	ASTM A193 B16 / A194 7		
	Gland Packing	As per standard	Flexible graphite		
17	TESTING, INSPECTION & CERTIFICATION REQUIREMENTS				
18	Hydrostatic Shell Test	Hydrostatic 63.8 MPa (9255 psi)	Seat / Pneumatic Test	Hydrostatic 46.8 MPa (6790 psi)	
19	NDT Requirements	100% MPI / DPT on machined surfaces (if specified) -- Radiography / Ultrasonic on request			
20	Required Certificates / MTC	EN 10204 3.1 MTC (standard) -- EN 10204 3.2 / third-party inspection on request			
21	Witness / Inspection Agency	Client / TPI representative (if specified)	Third Party Inspection	TUV / SGS / BV / Lloyds Register (client cost)	
22	PAINTING, PRESERVATION & PACKING				
23	Painting / Coating Specification	Standard: one coat primer + two coats synthetic enamel (colour per client spec) -- special coatings (epoxy, PTFE, rubber lining) on request			

24	Packing Requirement	Wooden cases / pallets with VCI protection -- sea-worthy packing for export on request
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26	NOTES
<ol style="list-style-type: none"> 1. This datasheet covers standard specifications for Globe Valve Butt Weld Ends Class 1500/2500. 2. Design Standard: BS 1873, ASME B16.34, ASME B16.25, API 598. 3. Application / Service: High Pressure Steam, Power Plants, Refineries, Petrochemical. 4. Size Range: 2" to 16" (DN50 – DN400). Pressure Rating: ASME Class 1500 / 2500. 5. All valves are manufactured new and unused by an ISO 9001 compliant foundry. 6. Material Test Certificates (MTC) per EN 10204 3.1 provided as standard; EN 10204 3.2 available on request at additional cost. 7. Testing performed per ISO 5208 / API 598: shell test at 1.5x rated pressure, seat test at 1.1x rated pressure -- bubble-tight zero leakage. 8. Face-to-face dimensions per ASME B16.10 / BS 2080 / manufacturer standard unless otherwise specified. 9. Marking per MSS SP-25: Size, Pressure Class, Material, Heat Number, Tag Number, Serial Number, Flow Direction. 10. Alternative / upgraded materials: A182 F91, F22, and A351 CF8M trims for high-temperature service on request. 11. Actuated valves (electric, pneumatic, hydraulic) supplied with ISO 5211 mounting pad and position indicator. 12. Third-party inspection by TUV, SGS, Bureau Veritas, or Lloyds Register available on request at client cost. 13. This datasheet is for general reference. Firm specifications to be confirmed upon receipt of confirmed Purchase Order with technical requirements. 14. For specific project requirements, deviation forms, or material substitutions, please contact our engineering team. 	

RH	REVISION HISTORY		
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Rev.	Date	Description of Change	Prepared / Reviewed / Approved
A	13-Jun-2026	Initial issue -- Product datasheet generated from standard catalogue	Supreme Valves India -- Technical Department

AP	DOCUMENT APPROVAL		
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	PREPARED BY Supreme Valves India -- Technical Department, Ahmedabad _____ Signature / Date	REVIEWED BY _____ Name / Signature / Date	APPROVED BY _____ Name / Signature / Date
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