



SUPREME ENTERPRISE

Industrial Valves

4th Floor, Survey No. 235/A and 247/A, E/401, Nr. Bhattha School, Gyaspur, Ahmedabad, Gujarat 382405, India | Branch: Mehta House, Relief Road, Ahmedabad 380001
 GST 24AFAFSS5839J1ZQ • IEC AFAFSS5839J • info@supremevalves.in | www.supremevalves.in • +91 97732 78770

Doc. No.	SV-DATA-2026-PRESSURE_SEAL_GLOBE_VALVE_CLASS_600_900_1500			Page	1 OF 1
Rev.	A			Date	13-Jun-2026
Pressure Seal Globe Valve Class 600/900/1500 -- 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, API 598			
1	GENERAL				
2	P&ID No. / Tag No.	N/A -- Product Datasheet	Piping Class	ASME Class 600 / 900 / 1500	
3	Valve Tag / Item No.	N/A -- Product Datasheet	Quantity Required	As required	
4	Design Standard	BS 1873, ASME B16.34, API 598	Pressure Class / Rating	ASME Class 600 / 900 / 1500	
5	Valve Size, Inlet x Outlet	2" to 16" (DN50 – DN400)	End Connection	Flanged RF / RTJ per ASME B16.5 / Butt Weld per ASME B16.25	
6	Valve Type / Model	Pressure Seal Globe Valve Class 600/900/1500	Operation Mode	Pressure-seal bonnet OS&Y globe valve for Class 600/900/1500 high-pressure steam throttling and isolation in power and process plants -- gear or motor operated	
6A	Service / Application	Power Plant Steam Mains, Boiler Feed, Refineries, High Pressure Process	Fluid State	Liquid / Gas / Steam (as applicable)	
7	DESIGN CONDITIONS				
8	Design Pressure	ASME Class 600 / 900 / 1500	Design Temp. Min / Max	-10°C to +550°C (HT steam) -- per project	
9	Operating Pressure	ASME Class 600 / 900 / 1500	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	Power Plant Steam Mains, Boiler Feed, Refineries, High Pressure Process	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	Pressure-seal bonnet OS&Y globe valve for Class 600/900/1500 high-pressure steam throttling and isolation in power and process plants -- 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	Pressure-seal type, WC6 / WC9 / A182 F22		
	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	Flexible graphite pressure-seal ring + spiral wound gasket		
	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 38.2 MPa (5550 psi)	Seat / Pneumatic Test	Hydrostatic 27.9 MPa (4075 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
26	NOTES	
<ol style="list-style-type: none"> 1. This datasheet covers standard specifications for Pressure Seal Globe Valve Class 600/900/1500. 2. Design Standard: BS 1873, ASME B16.34, API 598. 3. Application / Service: Power Plant Steam Mains, Boiler Feed, Refineries, High Pressure Process. 4. Size Range: 2" to 16" (DN50 – DN400). Pressure Rating: ASME Class 600 / 900 / 1500. 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 high-temperature and A351 CF8M trims 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			
	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			
	PREPARED BY Supreme Valves India -- Technical Department, Ahmedabad _____ Signature / Date	REVIEWED BY _____ Name / Signature / Date	APPROVED BY _____ Name / Signature / Date	