



# SUPREME ENTERPRISE

Industrial Valves

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Doc. No.	SV-DATA-2026-FORGED_STEEL_GATE_GLOBE_VALVE_CLASS_800_1500			Page	1 OF 1
Rev.	A			Date	13-Jun-2026
<b>Forged Steel Gate &amp; Globe Valve Class 800/1500 -- Technical Datasheet</b>					
<b>R</b>	<b>REFERENCES &amp; RELATED DOCUMENTS</b>				
R1	P&ID / Process Diagram	N/A -- Product Datasheet	Piping Material Spec.	N/A -- Product Datasheet	
R2	Project Standard / Spec.	API 602, ASME B16.34, BS 5352, API 598			
<b>1</b>	<b>GENERAL</b>				
2	P&ID No. / Tag No.	N/A -- Product Datasheet	Piping Class	ASME Class 800 / 1500	
3	Valve Tag / Item No.	N/A -- Product Datasheet	Quantity Required	As required	
4	Design Standard	API 602, ASME B16.34, BS 5352, API 598		Pressure Class / Rating	
5	Valve Size, Inlet x Outlet	1/2" to 2" (DN15 -- DN50)		End Connection	
6	Valve Type / Model	Forged Steel Gate & Globe Valve Class 800/1500		Operation Mode	
6A	Service / Application	Oil & Gas, Refineries, Steam & Condensate, Instrument & Drain Lines		Fluid State	
7	<b>DESIGN CONDITIONS</b>				
8	Design Pressure	ASME Class 800 / 1500		Design Temp. Min / Max	
9	Operating Pressure	ASME Class 800 / 1500		Operating Temp.	
10	Set / Relief Pressure	N/A -- Product Datasheet		Back Pressure	
11	Fluid Handled / Service	Oil & Gas, Refineries, Steam & Condensate, Instrument & Drain Lines		Corrosion Allowance	
12	Required Capacity / Flow Rate	As per valve size and pressure class		Location / Installation	
13	<b>VALVE OPERATION REQUIREMENT</b>				
14	Type of Valve Operator	Compact forged OS&Y gate and globe valves in Class 800 and 1500 -- bar-stock trim for high-pressure instrument, drain, vent, and small-bore process lines		Actuator Specification	
15	Fail-Safe Position	As per project / application requirements		Accessories Required	
16	<b>VALVE MATERIAL SPECIFICATION (EQUIVALENT OR SUPERIOR)</b>				
	Valve Part	Specified Material		Proposed Material (Supreme Valves India)	
	Body	As per project specification		ASTM A105N (Forged Carbon Steel)	
	Bonnet / Cover	As per standard		As per standard / matching body grade	
	Trim (Disc / Seat)	As per standard		A105 + 13Cr / Stellite 6 hardfacing / Integral 13Cr / Stellite hardfaced	
	Stem / Spindle	As per standard		ASTM A182 F6a / SS316, OS&Y rising	
	Gasket / Packing	As per standard		PTFE / Graphite	
	Bolting / Nuts	As per standard		ASTM A193 B7 / A194 2H	
17	<b>TESTING, INSPECTION &amp; CERTIFICATION REQUIREMENTS</b>				
18	Hydrostatic Shell Test	Hydrostatic 38.2 MPa (5550 psi)		Seat / Pneumatic Test	
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	
22	<b>PAINTING, PRESERVATION &amp; PACKING</b>				
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**

1. This datasheet covers standard specifications for Forged Steel Gate & Globe Valve Class 800/1500.
2. Design Standard: API 602, ASME B16.34, BS 5352, API 598.
3. Application / Service: Oil & Gas, Refineries, Steam & Condensate, Instrument & Drain Lines.
4. Size Range: 1/2" to 2" (DN15 – DN50). Pressure Rating: ASME Class 800 / 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 F316, F11/F22 (high temp), A350 LF2 (low temp) available 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	REVIEWED BY	APPROVED BY
Supreme Valves India -- Technical Department, Ahmedabad		
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Signature / Date	Name / Signature / Date	Name / Signature / Date