

SUPREME VALVES INDIA

Internal Vendor RFQ / Technical Datasheet
CONFIDENTIAL - FOR VENDOR PRICING ONLY

VENDOR TECHNICAL DATASHEET & RFQ

Internal RFQ Ref:	INT-RFQ-2026-GV-001
Date:	17-May-2026
Valid For Pricing Until:	31-May-2026
Required Delivery:	8-10 weeks after confirmed PO and technical approval

1. SCOPE OF SUPPLY

Supply of Gate Valves in Aluminium Bronze (BS 1400 AB2-C) and threaded bronze construction for general industrial service. All valves shall be supplied with EN 10204 3.1 material certificates, PED 2014/68/EU declaration of conformity, and factory leak test reports. Valves must be new, unused, and manufactured by an ISO 9001 certified foundry.

2. ITEMS FOR QUOTATION

S.No	Description	Size	Qty	Unit Price	Total Price
1	Gate Valve, Union Bonnet, Threaded NPT Female-Female ends, Class 200 LB (PN130 equivalent). Body, bonnet, and trim in gunmetal / bronze alloy suitable for water, steam, and general industrial service. Handwheel operated, inside screw rising or non-rising stem as per manufacturer standard. Graphite or PTFE braided packing. Shell and seat test per API 598 / BS 6755 Part 1. Size range 1/2 inch to 2 inch. One piece per size.				
2	Gate Valve, Flanged RF ends, Class 150# (PN16/PN20). Body, bonnet, wedge plug, seats, backseat, stem, bushing, and gland in BS 1400 AB2-C Aluminium Bronze (equivalent to ASTM B148 C95800 / C95500). Integral seats, integral wedge plug, rising stem with integral backseat. Flat ring seal 11E11 type. Braided packing rings ARA 6. FF finish flanges per EN 1092-1 / ASME B16.5. Handwheel operated. Shell and seat test per API 598 / BS 6755 Part 1. Size range 1 inch to 4 inch. One piece per size.				

3. TECHNICAL SPECIFICATIONS

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3.1 Body & Bonnet Materials -- Item 1 (Threaded NPT)

Body / Bonnet Material	Gunmetal / Bronze alloy, cast, suitable for 200 LB service
Stem	Stainless Steel AISI 316 or bronze alloy, rising or non-rising per design
Disc / Wedge	Bronze alloy, integral or renewable seat as per manufacturer standard
Seat	Bronze alloy, integral or renewable
Packing	Graphite / PTFE braided rings
Handwheel	Cast iron or aluminium, epoxy coated
End Connection	Threaded Female NPT, ASME B1.20.1
Pressure Rating	Class 200 LB (PN130) threaded

3.2 Body & Bonnet Materials -- Item 2 (Flanged AB2-C)

Body Material	BS 1400 AB2-C Aluminium Bronze (equivalent ASTM B148 C95800 / C95500)
Bonnet Material	BS 1400 AB2-C Aluminium Bronze
Wedge Plug	BS 1400 AB2-C Aluminium Bronze, integral
Seats	BS 1400 AB2-C Aluminium Bronze, integral
Stem	BS 1400 AB2-C Aluminium Bronze or SS316, rising type with integral backseat
Backseat	BS 1400 AB2-C Aluminium Bronze, integral
Bushing / Gland	BS 1400 AB2-C Aluminium Bronze
Ring Insert Seal	AB2-C ring insert seal, flat ring 11E11 type
Packing	Braided rings ARA 6 type, graphite / PTFE based
Handwheel	Cast iron / ductile iron, epoxy coated
Flange Finish	FF (Flat Face) per EN 1092-1 / ASME B16.5
End Connection	Raised Face (RF) Flanged, Class 150#, ASME B16.5
Pressure Rating	Class 150# (PN16/PN20)

3.3 Design & Testing

Valve Type	Gate Valve, Handwheel Operated
Design Standard	API 600 / API 602 / BS 5154 / MSS SP-80 as applicable per size and end connection
Testing Standard	API 598 / BS 6755 Part 1
Shell Test	1.5 x rated pressure minimum
Seat Test	1.1 x rated pressure minimum
Leak Test	Zero leakage seat test, bubble-tight closure
Marking	MSS SP-25, including size, class, material, and manufacturer name
Coating	Natural finish or epoxy coating as required

3.4 Documentation Requirements

Material Certificates	EN 10204 3.1 for all pressure-retaining parts (body, bonnet, wedge, stem)
PED Declaration	Declaration of Conformity per PED 2014/68/EU, Category as applicable
Test Reports	Factory leak test reports (shell and seat test) per API 598 / BS 6755 Part 1

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Mill Test Report	Chemical composition and mechanical properties for castings
Dimensional Report	As-built dimensional check report for flanged valves (face-to-face, flange thickness, bore)

3.5 Vendor Terms

Price Basis	Ex-works / FOB India port. Packing included for sea shipment.
Validity	30 days from date of this RFQ
Delivery	8-10 weeks after confirmed PO and advance payment
Payment	50% advance with PO, 50% against pro-forma before dispatch
Spare Parts	Quote separately for 10% spare packing sets per valve type

4. TESTING & DOCUMENTATION REQUIREMENTS

5. COMMERCIAL TERMS FOR VENDOR

6. NOTES

- * No customer names, project names, or end-user references to be disclosed in any documentation.
- * Vendor must confirm ISO 9001 certification and foundry capability for AB2-C aluminium bronze castings.
- * All valves must be new, unused, and manufactured within 12 months of delivery.
- * Vendor to confirm compliance with PED 2014/68/EU and provide applicable CE marking where required.

For Supreme Valves India

Procurement / Technical Department

Ahmedabad, India