



SUPREME ENTERPRISE

Industrial Valves

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| Doc. No. | SV-DATA-2026- IC BALL_VALVE_1PC_SCREW_END | I.C. Ball Valve Single Piece Screw End -- Technical Datasheet | Page | 1 OF 1 |
| Rev. | A | | Date | 24-May-2026 |

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|-----------|--|---|--|---|
| R | REFERENCES & RELATED DOCUMENTS | | | |
| R1 | P&ID / Process Diagram | N/A -- Product Datasheet | Piping Material Spec. | N/A -- Product Datasheet |
| R2 | Project Standard / Spec. | API / ASME / BS / IS / EN (as applicable) | | |
| 1 | GENERAL | | | |
| 2 | P&ID No. / Tag No. | N/A -- Product Datasheet | Piping Class | As per product rating |
| 3 | Valve Tag / Item No. | N/A -- Product Datasheet | Quantity Required | As required |
| 4 | Design Standard | API / ASME / BS / IS / EN (as applicable) | Pressure Class / Rating | As per product rating |
| 5 | Valve Size, Inlet x Outlet | As per product range | End Connection | Flanged (FF/RF/RTJ) / Screwed (BSP/NPT) / Socket Weld / Butt Weld -- as per specification |
| 6 | Valve Type / Model | I.C. Ball Valve Single Piece Screw End | Operation Mode | Manual (Handwheel / Lever) -- Electric / Pneumatic / Hydraulic actuator available on request |
| 6A | Service / Application | Industrial / Oil & Gas / Power / Water / Marine (as applicable) | Fluid State | Liquid / Gas / Steam (as applicable) |
| 7 | DESIGN CONDITIONS | | | |
| 8 | Design Pressure (barg) | As per pressure class rating | Design Temp. Min / Max (deg C) | -29 deg C to +425 deg C (standard) -- Higher/lower on request |
| 9 | Operating Pressure (barg) | As per pressure class rating | Operating Temp. (deg C) | Ambient to +200 deg C (standard) -- Project-specific on request |
| 10 | Set Pressure / Relief Pressure (barg) | N/A -- Product Datasheet | Back Pressure (barg) | N/A -- Product Datasheet |
| 11 | Fluid Handled / Service | As per application / service | Corrosion Allowance (mm) | 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 | Manual (Handwheel / Lever / Gear) -- Actuated options available | Actuator Specification No. | ISO 5211 mounting pad (for actuated valves) -- Electric / Pneumatic / Hydraulic actuator 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) | |

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| Body | As per design standard | As per design standard |
| Bonnet / Cover | As per design standard | As per design standard |
| Trim (Disc / Seat) | As per design standard | SS410 / SS316 / Bronze (as applicable) |
| Stem / Spindle | As per design standard | SS410 / SS304 / SS316 |
| Gasket / Packing | As per design standard | Graphite / PTFE / CI Ring (as applicable) |
| Bolting / Nuts | As per design standard | Carbon Steel / Alloy Steel (as applicable) |

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| 17 | TESTING, INSPECTION & CERTIFICATION REQUIREMENTS | | |
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| 18 | Hydrostatic Test | Shell 1.5 x WP, Seat 1.1 x WP | Seat / Pneumatic Test | Shell 1.5 x WP, Seat 1.1 x WP |
| 19 | NDT Requirements | 100% MPI / DPT on machined surfaces (if specified by project) -- 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) |

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| 22 | PAINTING, PRESERVATION & PACKING | | | |
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| 23 | Painting / Coating Specification | Standard: One coat primer + two coats synthetic enamel (colour as per client specification) -- Special coatings available on request | | |
| 24 | Packing Requirement | Wooden cases / pallets with VCI protection -- Sea-worthy packing for export on request | | |

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| 26 | NOTES | | | |
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| <p>1. This datasheet covers standard specifications for I.C. Ball Valve Single Piece Screw End.</p> <p>2. Design Standard: API / ASME / BS / IS / EN / ISO (as applicable to product type).</p> <p>3. Application: Industrial process, oil & gas, power, water, HVAC, marine (as applicable for I.C. Ball Valve Single Piece Screw End).</p> <p>4. All valves are manufactured new and unused by ISO 9001 certified foundry.</p> <p>5. Material Test Certificates (MTC) per EN 10204 3.1 provided as standard; EN 10204 3.2 available on request at additional cost.</p> <p>6. Testing performed per ISO 5208 / API 598: Shell test at 1.5 x rated pressure, Seat test at 1.1 x rated pressure -- bubble-tight zero leakage.</p> <p>7. Face-to-face dimensions per ASME B16.10 / BS 2080 / Manufacturer standard unless otherwise specified.</p> <p>8. Marking per MSS SP-25: Size, Pressure Class, Material, Heat Number, Tag Number, Serial Number, Flow Direction.</p> <p>9. Special materials (Duplex, Super Duplex, Inconel, Monel, Hastelloy, Titanium) available on request with extended delivery.</p> <p>10. Actuated valves (electric, pneumatic, hydraulic) supplied with ISO 5211 mounting pad and position indicator.</p> <p>11. Third-party inspection by TUV, SGS, Bureau Veritas, or Lloyds Register available on request at client cost.</p> <p>12. This datasheet is for general reference. Firm specifications to be confirmed upon receipt of confirmed Purchase Order with technical requirements.</p> <p>13. For specific project requirements, deviation forms, or material substitutions, please contact our engineering team.</p> | | | | |
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| RH | REVISION HISTORY | | | |
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| Rev. | Date | Description of Change | Prepared / Reviewed / Approved |
|-------------|-------------|--|--|
| A | 24-May-2026 | Initial issue -- Product datasheet generated from standard catalogue | Supreme Valves India -- Technical Department |

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| AP | DOCUMENT APPROVAL | | |
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| PREPARED BY Supreme Valves India Technical Department Ahmedabad, India <hr/> Signature / Date | REVIEWED BY <hr/> Name / Signature / Date | APPROVED BY <hr/> Name / Signature / Date |
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Gate Valve



Diaphragm Valve



Globe Valve



Check Valve



Needle Valve



Plug Valve



Butterfly Valve



Piston Valve



Relief Valve



Ball Valve