



# SUPREME ENTERPRISE

## Industrial Valves

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| Doc. No. | SV-DATA-2026-<br>UL_FM_BUTTERFLY_VALVE_DOUBLE_OFFSET | UI Fm Butterfly Valve Double Offset -- Technical Datasheet | Page | 1 OF 1      |
| Rev.     | A  |  | Date | 24-May-2026 |

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|-----------|--|---|---|---|
| <b>R</b>  | <b>REFERENCES &amp; RELATED DOCUMENTS</b>                    |   |   |   |
| <b>R1</b> | <b>P&amp;ID / Process Diagram</b>                            | N/A -- Product Datasheet  | <b>Piping Material Spec.</b>                    | N/A -- Product Datasheet  |
| <b>R2</b> | <b>Project Standard / Spec.</b>                              | API / ASME / BS / IS / EN (as applicable)                       |   |   |
| <b>1</b>  | <b>GENERAL</b>   |   |   |   |
| <b>2</b>  | <b>P&amp;ID No. / Tag No.</b>                                | N/A -- Product Datasheet  | <b>Piping Class</b>                             | As per product rating   |
| <b>3</b>  | <b>Valve Tag / Item No.</b>                                  | N/A -- Product Datasheet  | <b>Quantity Required</b>                        | As required   |
| <b>4</b>  | <b>Design Standard</b>                                       | API / ASME / BS / IS / EN (as applicable)                       | <b>Pressure Class / Rating</b>                  | As per product rating   |
| <b>5</b>  | <b>Valve Size, Inlet x Outlet</b>                            | As per product range  | <b>End Connection</b>                           | Flanged (FF/RF/RTJ) / Screwed (BSP/NPT) / Socket Weld / Butt Weld -- as per specification           |
| <b>6</b>  | <b>Valve Type / Model</b>                                    | UI Fm Butterfly Valve Double Offset                             | <b>Operation Mode</b>                           | Manual (Handwheel / Lever) -- Electric / Pneumatic / Hydraulic actuator available on request        |
| <b>6A</b> | <b>Service / Application</b>                                 | Industrial / Oil & Gas / Power / Water / Marine (as applicable) | <b>Fluid State</b>                              | Liquid / Gas / Steam (as applicable)  |
| <b>7</b>  | <b>DESIGN CONDITIONS</b>                                     |   |   |   |
| <b>8</b>  | <b>Design Pressure (barg)</b>                                | As per pressure class rating                                    | <b>Design Temp. Min / Max (deg C)</b>           | -29 deg C to +425 deg C (standard) -- Higher/lower on request                                       |
| <b>9</b>  | <b>Operating Pressure (barg)</b>                             | As per pressure class rating                                    | <b>Operating Temp. (deg C)</b>                  | Ambient to +200 deg C (standard) -- Project-specific on request                                     |
| <b>10</b> | <b>Set Pressure / Relief Pressure (barg)</b>                 | N/A -- Product Datasheet  | <b>Back Pressure (barg)</b>                     | N/A -- Product Datasheet  |
| <b>11</b> | <b>Fluid Handled / Service</b>                               | As per application / service                                    | <b>Corrosion Allowance (mm)</b>                 | As per project specification  |
| <b>12</b> | <b>Required Capacity / Flow Rate</b>                         | As per valve size and pressure class                            | <b>Location / Installation</b>                  | Indoor / Outdoor / Offshore / Marine (as applicable)  |
| <b>13</b> | <b>VALVE OPERATION REQUIREMENT</b>                           |   |   |   |
| <b>14</b> | <b>Type of Valve Operator</b>                                | Manual (Handwheel / Lever / Gear) -- Actuated options available | <b>Actuator Specification No.</b>               | ISO 5211 mounting pad (for actuated valves) -- Electric / Pneumatic / Hydraulic actuator on request |
| <b>15</b> | <b>Fail-Safe Position</b>                                    | As per project / application requirements                       | <b>Accessories Required</b>                     | Limit switches, positioners, solenoid valves, manual override -- on request                         |
| <b>16</b> | <b>VALVE MATERIAL SPECIFICATION (EQUIVALENT OR SUPERIOR)</b> |   |   |   |
|           | <b>Valve Part</b>  | <b>Specified Material</b>                                       | <b>Proposed Material (Supreme Valves India)</b> |   |

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

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| <b>17</b> | <b>TESTING, INSPECTION &amp; CERTIFICATION REQUIREMENTS</b> |  |  |
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| <b>18</b> | <b>Hydrostatic Test</b>            | Shell 1.5 x WP, Seat 1.1 x WP  | <b>Seat / Pneumatic Test</b>  | Shell 1.5 x WP, Seat 1.1 x WP                  |
| <b>19</b> | <b>NDT Requirements</b>            | 100% MPI / DPT on machined surfaces (if specified by project) -- Radiography / Ultrasonic on request |                               |  |
| <b>20</b> | <b>Required Certificates / MTC</b> | EN 10204 3.1 MTC (standard) -- EN 10204 3.2 / Third-party inspection on request                      |                               |  |
| <b>21</b> | <b>Witness / Inspection Agency</b> | Client / TPI representative (if specified)   | <b>Third Party Inspection</b> | TUV / SGS / BV / Lloyds Register (client cost) |

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

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| <b>26</b> | <b>NOTES</b> |  |  |  |
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| <p>1. This datasheet covers standard specifications for UI Fm Butterfly Valve Double Offset.</p> <p>2. Design Standard: API / ASME / BS / IS / EN / ISO (as applicable to product type).</p> <p>3. Application: Industrial process, oil &amp; gas, power, water, HVAC, marine (as applicable for UI Fm Butterfly Valve Double Offset).</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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| <b>RH</b> | <b>REVISION HISTORY</b> |  |  |  |
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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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| <b>AP</b> | <b>DOCUMENT APPROVAL</b> |  |  |
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| <b>PREPARED BY</b><br>Supreme Valves India<br>Technical Department<br>Ahmedabad, India<br><hr/> Signature / Date | <b>REVIEWED BY</b><br><hr/> Name / Signature / Date | <b>APPROVED BY</b><br><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