# 565 Butterfly Valve Gear Lug

## Project information

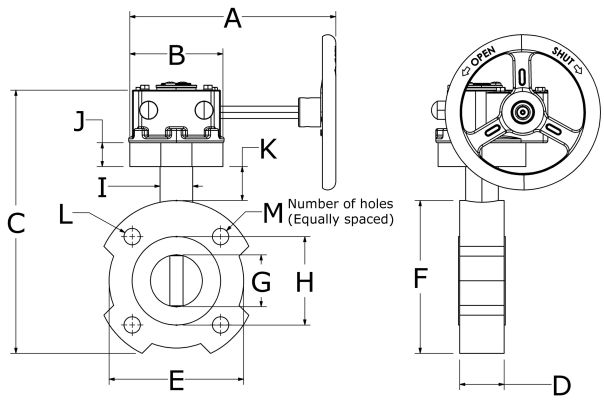
| | |
|---|---|
| Job name: | Location: |
| Engineer: | Date submitted: |
| Contractor: | Submitted by: |
| Manufacturer's representative: | Approved by: |

## Technical data

| | |
|---|---|
| Material | Engineered Polymer |
| Prop 65 label required? | Yes |

## Product information and application use

Use 565 Gear Lug Butterfly Valves in Schedule 80 CPVC piping systems for isolation in domestic water, hydronic hot-water heating, or chilled water applications.




| | Part name | Part no. | A [inch] | B [inch] | C [inch] | D [inch] | E [inch] | F [inch] | G [inch] | H [inch] | I [inch] | J [inch] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576200 | 7.833 | 3.543 | 10.008 | 1.693 | 5.118 | 5.811 | 1.972 | 3.366 | 1.24 | 0.906 |
| | 2-1/2" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576201 | 7.833 | 3.543 | 10.689 | 1.811 | 5.906 | 6.626 | 2.445 | 4.154 | 1.24 | 0.906 |
| | 3" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576202 | 7.833 | 3.543 | 11.327 | 1.811 | 6.772 | 7.335 | 3.035 | 4.823 | 1.24 | 0.906 |
| | 4" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576203 | 7.833 | 3.543 | 12.732 | 2.047 | 7.874 | 8.531 | 3.823 | 5.61 | 1.516 | 0.906 |
| | 5" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576204 | 7.833 | 3.543 | 13.823 | 2.205 | 8.78 | 9.657 | 4.807 | 6.673 | 1.516 | 0.906 |
| | 6" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576205 | 7.833 | 3.543 | 14.654 | 2.205 | 9.961 | 10.665 | 5.772 | 7.657 | 1.693 | 0.906 |
| | 8" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576206 | 7.833 | 3.543 | 16.559 | 2.362 | 11.949 | 12.945 | 7.835 | 9.764 | 1.693 | 0.906 |
| ✔ | 10" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576207 | 8.319 | 4.921 | 20.475 | 2.677 | 14.567 | 15.772 | 9.709 | 11.969 | 2.185 | 0.906 |
| | 12" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576208 | 8.319 | 4.921 | 22.767 | 3.071 | 17.323 | 18.701 | 11.598 | 14.094 | 2.264 | 0.906 |

| | Part name | Part no. | K [inch] | L [inch] | M [inch] | End Type 1 | Operating Temperature 1 [°F] | Weight per UOM [lbs/UOM] |
|---|---|---|---|---|---|---|---|---|
| | 2" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576200 | 1.291 | 0.625 | 4 | LUG 2" | 73 °F (23 °C) at 232 psi (23 °C) | 6.79 |
| | 2-1/2" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576201 | 1.157 | 0.625 | 4 | LUG 2-1/2" | 73 °F (23 °C) at 232 psi (23 °C) | 7.5 |
| | 3" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576202 | 1.087 | 0.625 | 4 | LUG 3" | 73 °F (23 °C) at 232 psi (23 °C) | 8.59 |
| | 4" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576203 | 1.295 | 0.625 | 8 | LUG 4" | 73 °F (23 °C) at 232 psi (23 °C) | 11.43 |
| | 5" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576204 | 1.26 | 0.75 | 8 | LUG 5" | 73 °F (23 °C) at 232 psi (23 °C) | 13.44 |
| | 6" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576205 | 1.083 | 0.75 | 8 | LUG 6" | 73 °F (23 °C) at 232 psi (23 °C) | 15.73 |
| | 8" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576206 | 0.709 | 0.75 | 8 | LUG 8" | 73 °F (23 °C) at 145 psi (23 °C) | 19.58 |
| ✔ | 10" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576207 | 1.496 | 0.875 | 12 | LUG 10" | 73 °F (23 °C) at 145 psi (23 °C) | 30.63 |
| | 12" 565 Gear Lug Butterfly Valve with EPDM Seal | 150576208 | 0.858 | 0.875 | 12 | LUG 12" | 73 °F (23 °C) at 87 psi (23 °C) | 43.17 |

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| Part name | Part no. | Codes | Standards | Listings |
|---|---|---|---|---|
| 565 Butterfly Valve Gear Lug | All | UPC\|IMC\|IPC\|IBC\|IRC\|UMC\|NSPC | NSF/ANSI/CAN 61\|NSF/ANSI/CAN 372\|ISO 9393-2\|EN 12266-1\|EN ISO 16136\|ISO 7005 PN10/16\|EN 1092 PN10/16\|DIN 2501 PN10/16\|BS 4504 PN10/16\|BS 1560: 1989 Class 125/150\|JIS B2220 10K\|JIS B2239 10K\|ANSI/ASME | NSF-61-372 |

## Installation

Ensure pipes are aligned and flanges are clean. Provide sufficient distance between flange ends and properly place the valve, aligning the bolt holes with the flanges. Position the valve disc slightly open (5 to 10 degrees) to avoid obstructions. Ensure the disc can open and close completely. Tighten the flange screws crosswise to the specified tightening torque. If using stainless-steel screws, pretreat thread with suitable assembly paste. Perform a functional test by closing the valve completely and opening it again.

## Related applications

Domestic Water

Hydronic Piping

## Footnotes

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## Contact information

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