# Globe Valves

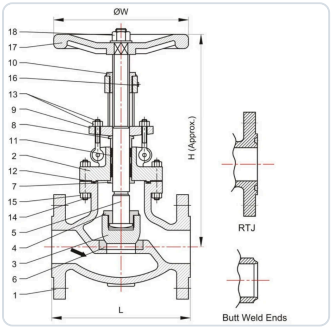
REGULATION

Globe valves are linear-motion valves used to start, stop and regulate flow. Their disc moves perpendicular to a seat, so the opening changes progressively with stem travel. This makes globe valves a common choice where controlled flow and reliable shut-off are both needed. UTC VALVES manufactures and supplies globe valves for throttling and regulating duties across process and utility systems.

## Cast steel globe valve




| | |
|---|---|
| Body material | WCB / WC6 / LCB / CF8 / CF8M / CF3 / CF3M etc. |
| Pressure rating | Class 150 to 2500 |
| Design standard | BS 1873 / ASME B16.34 |
| Inspection & testing | API 598 / BS EN 12266-1 |
| End connection | Flanged / butt weld / RTJ |
| Operation | Handwheel, gear or actuated (pneumatic / electric) |
| Size range | 2" to 20" |
| Disc types | Ball type or needle type disc |
| Options | Bypass, floor stand, extended stem |
| Dimensions | Face-to-face ASME B16.10; flanges ASME B16.5; butt-weld ends ASME B16.25 |




Weights and dimensions are for reference only. Final data is confirmed in the quotation and approved drawings.

### Dimensions & technical details (mm)

| Parameter | Class | 2" | 3" | 4" | 5" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Face to face, flanged (L) | 150# | 203 | 241 | 292 | 356 | 406 | 495 | 622 | 699 | 787 | 914 | 978 | 978 |
| | 300# | 267 | 318 | 355 | 400 | 444 | 558 | 622 | 711 | 762 | 838 | 914 | 990 |
| | 600# | 292 | 355 | 431 | 508 | 558 | 660 | 787 | 838 | 889 | 991 | 1092 | 1194 |
| | 900# | 368 | 381 | 457 | 559 | 610 | 737 | 838 | 965 | 1029 | 1130 | 1219 | 1321 |
| | 1500# | 368 | 470 | 546 | 673 | 705 | 832 | 991 | 1130 | 1257 | 1384 | 1537 | 1664 |
| Height (H) approx. | 150# | 330 | 410 | 475 | 540 | 585 | 725 | 825 | 940 | 1200 | 1270 | 1300 | 1350 |
| | 300# | 350 | 485 | 520 | 565 | 655 | 825 | 920 | 1155 | 1250 | 1295 | 1340 | 1385 |
| | 600# | 420 | 550 | 590 | 620 | 700 | 950 | 1140 | 1320 | 1350 | 1350 | 1480 | 1500 |
| | 900# | 495 | 600 | 655 | 670 | 780 | 1050 | 1300 | 1480 | 1510 | 1630 | 1700 | 1725 |
| | 1500# | 550 | 625 | 750 | 810 | 925 | 1225 | 1450 | 1500 | 1620 | 1710 | 1760 | 1800 |
| Handwheel dia. (ØW) | 150# | 200 | 250 | 300 | 350 | 350 | 450 | 500 | 600 | 600 | 650 | 650 | 700 |
| | 300# | 200 | 300 | 300 | 350 | 350 | 500 | 600 | 700 | 700 | 450* | 500* | 550* |
| | 600# | 250 | 300 | 350 | 500 | 500 | 600 | 600 | 400* | 450* | 500* | 550* | 550* |
| | 900# | 300 | 350 | 500 | 500 | 350* | 350* | 400* | 400* | 450* | 500* | 500* | 550* |
| | 1500# | 300 | 400 | 450 | 500 | 600* | 450* | 500* | 500* | 550* | 550* | 600* | 600* |
| Weight (kg) approx. | 150# | 23 | 40 | 65 | 95 | 115 | 180 | 280 | 385 | 550 | 780 | 1050 | 1225 |
| | 300# | 30 | 55 | 95 | 135 | 180 | 260 | 375 | 525 | 760 | 1135 | 1470 | 1680 |
| | 600# | 40 | 72 | 132 | 210 | 245 | 460 | 700 | 1100 | 1600 | 1955 | 2075 | 2150 |
| | 900# | 96 | 117 | 178 | 305 | 355 | 730 | 1050 | 1350 | 2170 | 2535 | 3930 | 5120 |
| | 1500# | 116 | 145 | 210 | 395 | 475 | 925 | 1365 | 1950 | – | – | – | – |

### Material list

| No. | Part | Material (ASTM specification) |
|---|---|---|
| 1 | Body | WCB / WC6 / WC9 / CF8 / CF8M / CF3 / CF3M / LCB |
| 2 | Cover | WCB / WC6 / WC9 / CF8 / CF8M / CF3 / CF3M / LCB |
| 3 | Disc / plug | WCB / WC6 / WC9 / CF8 / CF8M / CF3 / CF3M / LCB |
| 4 | Disc nut | SS 410 / SS 304 / SS 304L / SS 316L |
| 5 | Stem | SS 410 / SS 304 / SS 304L / SS 316L |
| 6 | Seat ring | SS 410 / SS 304 / SS 304L / SS 316L |
| 7 | Back seat bush | SS 410 / SS 304 / SS 304L / SS 316L |
| 8 | Gland | SS 410 / SS 304 / SS 304L / SS 316L |
| 9 | Gland flange | WCB / WC6 / WC9 / CF8 / CF8M / CF3 / CF3M / LCB |
| 10 | Stem nut | A439 Gr. D2 / Al Bronze |
| 11 | Gland packing | Graphoil / Graphite Asbestos / PTFE |
| 12 | Bonnet gasket | Spiral Wound Graphoil + SS 316 |
| 13 | Gland eye bolt & nut | Carbon Steel / Stainless Steel |
| 14 | Bonnet stud | B7 / B7M / B8M / B8 / L7 |
| 15 | Bonnet nut | 2H / 8 / 8M / 7 |
| 16 | Grub screw | Carbon Steel |
| 17 | Handwheel | Carbon Steel |
| 18 | Handwheel nut | Carbon Steel |

# UTC VALVES

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Share the valve type, size, pressure class, materials, end connections, quantity and any project specification or drawing. Our team reviews every enquiry and responds with availability and a quotation.


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