

ASME B16.10 RF/BWE Valve Face to Face and End to End Dimensions Ball/GGC/Plug

| VALVE SIZE | | | DN | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
|--|-------------------|------------------|--------|-------|--------|-------|--------|-------|------|-------|--------|-------|--------|-------|--------|-------|------|------|------|------|------|
| | | | NPS | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 | 2-1/2 | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 24 |
| Face to Face and End to End Dimensions | Class 150 RF | Short Pattern | mm | 108 | 117 | 127 | 140 | 165 | 178 | 190 | 203 | 229 | 267 | 292 | 330 | 356 | 381 | 762 | 864 | 914 | 1067 |
| | | | in | 4.25 | 4.625 | 5 | 5.5 | 6.5 | 7 | 7.5 | 8 | 9 | 10.5 | 11.5 | 13 | 14 | 15 | 30 | 34 | 36 | 42 |
| | Class 300 RF | Long Pattern | mm | 108 | 117 | 127 | 140 | 165 | 178 | 190 | 203 | 229 | 394 | 457 | 533 | 610 | 686 | 406 | - | - | - |
| | | | in | 4.25 | 4.625 | 5 | 5.5 | 6.5 | 7 | 7.5 | 8 | 9 | 15.5 | 18 | 21 | 24 | 27 | 16 | - | - | - |
| | Class 150/300 BWE | Short Pattern | mm | 140 | 152 | 165 | 178 | 190 | 216 | 241 | 282 | 305 | 403 | 419 | 457 | 502 | 572 | 610 | 660 | 711 | 813 |
| | | | in | 5.5 | 6 | 6.5 | 7 | 7.5 | 8.5 | 9.5 | 11.125 | 12 | 15.875 | 16.5 | 18 | 19.75 | 22.5 | 24 | 26 | 28 | 32 |
| | Class 900 RF/BWE | Long Pattern | mm | 140 | 152 | 165 | 178 | 190 | 216 | 241 | 282 | 305 | 403 | 502 | 568 | 648 | 762 | 838 | 914 | 991 | 1143 |
| | | | in | 5.5 | 6 | 6.5 | 7 | 7.5 | 8.5 | 9.5 | 11.125 | 12 | 15.875 | 19.75 | 22.375 | 25.5 | 30 | 33 | 36 | 39 | 45 |
| | Class 600 RF/BWE | Short Pattern | mm | 140 | 152 | 165 | 178 | 190 | 216 | 241 | 282 | 305 | 403 | 419 | 457 | 502 | 572 | 610 | 660 | 711 | 813 |
| | | | in | 5.5 | 6 | 6.5 | 7 | 7.5 | 8.5 | 9.5 | 11.25 | 12 | 15.875 | 16.5 | 18 | 19.75 | 22.5 | 24 | 26 | 28 | 32 |
| | Class 2500 RF/BWE | Long Pattern | mm | - | - | - | - | 190 | 216 | 241 | 282 | 305 | 457 | 521 | 559 | 635 | 762 | 838 | 914 | 991 | 1143 |
| | | | in | - | - | - | - | 7.5 | 8.5 | 9.5 | 11.125 | 12 | 18 | 20.5 | 22 | 25 | 30 | 33 | 36 | 39 | 45 |
| | Class 1500 RF/BWE | Class 600 RF/BWE | mm | 165 | 190 | 216 | 229 | 241 | 292 | 330 | 356 | 432 | 559 | 660 | 787 | 838 | 889 | 991 | 1092 | 1194 | 1397 |
| | | | in | 6.5 | 7.5 | 8.5 | 9 | 9.5 | 11.5 | 13 | 14 | 17 | 22 | 26 | 31 | 33 | 35 | 39 | 43 | 47 | 55 |
| | Class 900 RF/BWE | Class 900 RF/BWE | mm | 216 | 229 | 254 | 279 | 305 | 368 | 419 | 381 | 457 | 610 | 737 | 838 | 965 | 1029 | 1130 | 1219 | 1231 | 1549 |
| | | | in | 8.5 | 9 | 10 | 11 | 12 | 14.5 | 16.5 | 15 | 18 | 24 | 29 | 33 | 38 | 40.5 | 44.5 | 48 | 52 | 61 |
| Class 1500 RF/BWE | Class 1500 RF/BWE | mm | 216 | 229 | 254 | 279 | 305 | 368 | 419 | 470 | 546 | 705 | 832 | 991 | 1130 | 1257 | 1384 | 1537 | 1664 | - | |
| | | in | 8.5 | 9 | 10 | 11 | 12 | 14.5 | 16.5 | 18.5 | 21.5 | 27.75 | 32.75 | 39 | 44.5 | 49.5 | 54.5 | 60.5 | 65.5 | - | |
| Class 2500 RF/BWE | Class 2500 RF/BWE | mm | 264 | 273 | 308 | 349 | 384 | 451 | 508 | 578 | 673 | 914 | 1022 | 1270 | 1422 | - | - | - | - | - | |
| | | in | 10.375 | 10.75 | 12.125 | 13.75 | 15.125 | 17.75 | 20 | 22.75 | 26.5 | 36 | 40.25 | 50 | 56 | - | - | - | - | - | |