**Face-to-face valve dimensions - EN-558-1**

|  |
| --- |
| Face to face distance in valves - Valvias**EN-558-1: Industrial valves, Face-to-face and centre-to-face** Dimensions of metal valves for use in flanged pipe systems - PN and Class designated valvesThe EN 558 norm compiles several international standards for face-face distances on valves.The numbers of the existing ISO basic Seriess are maintained as in ISO 5752:1982. |

**Origin of the Basic Seriess**

|  |  |  |
| --- | --- | --- |
| **Series 1:** DIN 3202-1/F1 | **Series 9:** DIN 3202/F33 | **Series 18:** BS 5154 |
| **Series 2:** DIN 3202-1/F2 | **Series10:**ANSI B16.10 BS 1803 | **Series 19:** ANSI B16.10 |
| **Series 3:** ANSI B16.10 | **Series 11:** ANSI B16.10 | **Series 20:** API 609 BS 5156 |
| **Series 4:** ANSI B16.10 | **Series 12:**ANSI B16 10 BS 5353 | **Series 21:** ANSI B16.10 |
| **Series 5:** ANSI B16.10 | **Series 13:** BS 5155 | **Series 22:** BS 2080 |
| **Series 6:** | **Series 14:** DIN 3202/F4 | **Series 23:** BS 2080 |
| **Series 7:** BS 2080 | **Series 15:** DIN 3202/F5 | **Series 24:** ANSI B16.10 |
| **Series8:** DIN3202-1/F32 | **Series 16:** API 609 BS 3135 | **Series25:** MSS SP 67 BS2080 |
| **Series9:** DIN 3202-1/F33 | **Series 17:** API 600 |  |

Units: mm

|  |  |
| --- | --- |
| DN | Basic Seriess |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **10** | 130 | 210 | 102 | - | - |  | 108 | 90 | 105 | - | - | 130 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **15** | 130 | 210 | 108 | 140 | 165 |  | 108 | 90 | 105 | 108 | 57 | 130 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **20** | 150 | 230 | 117 | 152 | 190 |  | 117 | 95 | 115 | 117 | 64 | 130 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **25** | 160 | 230 | 127 | 165 | 216 |  | 127 | 100 | 115 | 127 | 70 | 140 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **32** | 180 | 260 | 140 | 178 | 229 |  | 146 | 105 | 130 | 140 | 76 | 165 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **40** | 200 | 260 | 165 | 190 | 241 |  | 159 | 115 | 130 | 165 | 83 | 165 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **50** | 230 | 300 | 178 | 216 | 292 |  | 190 | 125 | 150 | 203 | 102 | 203 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **65** | 290 | 340 | 190 | 241 | 330 |  | 216 | 145 | 170 | 216 | 108 | 222 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **80** | 310 | 380 | 203 | 283 | 356 |  | 254 | 155 | 190 | 241 | 121 | 241 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **100** | 350 | 430 | 229 | 305 | 432 |  | 305 | 175 | 215 | 292 | 146 | 305 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **125** | 400 | 500 | 254 | 381 | 508 |  | 356 | 200 | 250 | 330 | 178 | 356 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **150** | 480 | 550 | 267 | 403 | 559 |  | 406 | 225 | 275 | 356 | 203 | 394 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **200** | 600 | 650 | 292 | 419 | 660 |  | 521 | 275 | 325 | 495 | 248 | 457 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **250** | 730 | 775 | 330 | 457 | 787 |  | 635 | 325 |  | 622 | 311 | 533 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **300** | 850 | 900 | 356 | 502 | 838 |  | 749 | 375 |  | 698 | 349 | 610 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **350** | 980 | 1025 | 381 | 762 | 889 |  |  | 425 |  | 787 | 394 | 686 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **400** | 1100 | 1150 | 406 | 838 | 991 |  |  | 475 |  | 914 | 457 | 762 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **450** | 1200 | 1275 | 432 | 914 | 1092 |  |  | 500 |  | 978 | 483 | 864 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **500** | 1250 | 1400 | 457 | 991 | 1194 |  |  |  |  | 978 |  | 914 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **(500)** | 1350 | - | 483 | 1092 | 1295 |  |  |  |  | 1067 |  | 1016 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **600** | 1450 | 1600 | 508 | 1143 | 1397 |  |  |  |  | 1295 |  | 1067 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **(600)** | 1550 | - | 559 | 1245 | 1446 |  |  |  |  | 1295 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **700** | 1650 |  | 610 | - | - |  |  |  |  | 1448 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **750** | 1750 |  | 610 | 1397 | 1651 |  |  |  |  | 1524 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **800** | 1850 |  | 660 |  |  |  |  |  |  | 1676 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **900** | 2050 |  | 711 |  |  |  |  |  |  | 1956 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **1000** | 2250 |  | 813 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **1200** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **1400** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **1600** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **1800** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **2000** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Units: mm

|  |  |
| --- | --- |
| DN | Basic Seriess |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |  |  |  |  |  |  |  |  |  |  |  |  |
| **10** | - | 115 | - | - | - | 80 | - | - | - | 65 | 70 | - | - |  |  |  |  |  |  |  |  |  |  |  |  |
| **15** | - | 115 | - | - | 140 | 80 | 140 | - | 152 | 65 | 70 | 83 | - |  |  |  |  |  |  |  |  |  |  |  |  |
| **20** | - | 120 | - | - | 152 | 90 | 152 | - | 178 | 70 | 75 | 95 | - |  |  |  |  |  |  |  |  |  |  |  |  |
| **25** | - | 125 | 120 | - | 165 | 100 | 165 | - | 216 | 80 | 85 | 108 | - |  |  |  |  |  |  |  |  |  |  |  |  |
| **32** | - | 130 | 140 | - | 178 | 110 | 178 | - | 229 | 90 | 95 | 114 | - |  |  |  |  |  |  |  |  |  |  |  |  |
| **40** | 106 | 140 | 240 | 33 | 190 | 120 | 190 | 33 | 241 | 5 | 100 | 121 | - |  |  |  |  |  |  |  |  |  |  |  |  |
| **50** | 108 | 150 | 250 | 43 | 216 | 135 | 216 | 43 | 267 | 105 | 115 | 146 | - |  |  |  |  |  |  |  |  |  |  |  |  |
| **65** | 112 | 170 | 270 | 46 | 241 | 165 | 241 | 46 | 292 | 115 | 125 | 165 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **80** | 114 | 180 | 280 | 64 | 283 | 185 | 283 | 46 | 318 | 125 | 135 | 176 | 49 |  |  |  |  |  |  |  |  |  |  |  |  |
| **100** | 127 | 190 | 300 | 64 | 305 | 229 | 305 | 52 | 356 | 135 | 146 | 216 | 56 |  |  |  |  |  |  |  |  |  |  |  |  |
| **125** | 140 | 200 | 325 | 70 | 381 |  | 381 | 56 | 400 |  |  | 254 | 64 |  |  |  |  |  |  |  |  |  |  |  |  |
| **150** | 140 | 210 | 350 | 76 | 403 |  | 403 | 56 | 444 |  |  | 279 | 70 |  |  |  |  |  |  |  |  |  |  |  |  |
| **200** | 152 | 230 | 400 | 89 | 502 |  | 419 | 60 | 533 |  |  | 330 | 71 |  |  |  |  |  |  |  |  |  |  |  |  |
| **250** | 165 | 250 | 450 | 114 | 568 |  | 457 | 68 | 622 |  |  | 394 | 76 |  |  |  |  |  |  |  |  |  |  |  |  |
| **300** | 178 | 270 | 500 | 114 | 648 |  | 502 | 78 | 711 |  |  | 419 | 83 |  |  |  |  |  |  |  |  |  |  |  |  |
| **350** | 190 | 290 | 550 | 127 | 572 |  | 572 | 78 | 838 |  |  |  | 92 |  |  |  |  |  |  |  |  |  |  |  |  |
| **400** | 216 | 310 | 600 | 140 | 838 |  | 610 | 102 | 864 |  |  |  | 102 |  |  |  |  |  |  |  |  |  |  |  |  |
| **450** | 222 | 330 | 650 | 152 | 914 |  | 660 | 114 | 978 |  |  |  | 114 |  |  |  |  |  |  |  |  |  |  |  |  |
| **500** | 229 | 350 | 700 | 152 | 991 |  | 711 | 127 | 1016 |  |  |  | 127 |  |  |  |  |  |  |  |  |  |  |  |  |
| **(500)** | - | - | 750 | 170 | - |  | 749 | 154 | 1118 |  |  |  | - |  |  |  |  |  |  |  |  |  |  |  |  |
| **600** | 267 | 390 | 800 | 178 | 1143 |  | 787 | 154 | 1346 |  |  |  | 154 |  |  |  |  |  |  |  |  |  |  |  |  |
| **(600)** | - | - | 850 | 210 |  |  |  | 165 | 1346 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **700** | 292 | 430 | 900 | 229 |  |  |  | 165 | 1499 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **750** | - | - | 950 | 230 |  |  |  | 190 | 1594 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **800** | 318 | 470 | 1000 | 241 |  |  |  | 190 | 1778 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **900** | 330 | 510 | 1100 | 241 |  |  |  | 203 | 2083 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **1000** | 410 | 550 | 1200 | 300 |  |  |  | 216 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **1200** | 470 | 630 |  | 350 |  |  |  | 254 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **1400** | 530 | 710 |  | 390 |  |  |  | 279 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **1600** | 600 | 790 |  | 440 |  |  |  | 318 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **1800** | 670 | 870 |  | 490 |  |  |  | 356 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **2000** | 760 | 950 |  | 540 |  |  |  | 406 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |