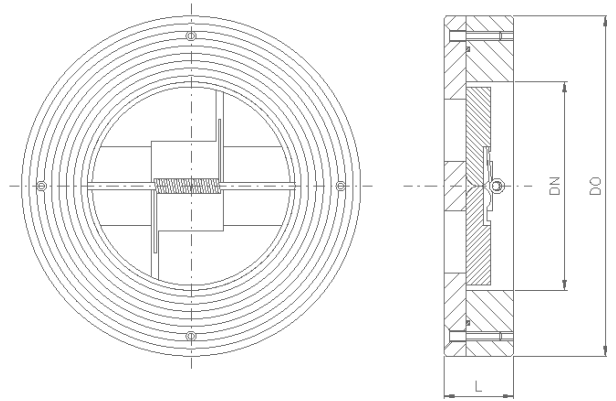




SHORT PATTERN TWIN PLATE

SPECIAL CHARACTERISTICS

- Lightweight
- Compact
- Economical
- Easily Installed
- Tight shut-off (resilient seat)
- Anti Slam
- Suitable for all common flanges



| Model # | 917 | 927 | 947 | 957 | 967 | 977 | 987 |
|--|---|---|---|---|---|--|---|
| Body (See Table A) | Bronze | Carbon Steel | 316 S.S. | Monel | Titanium | Hastelloy | D.S.S |
| Seat Carrier | Bronze | 316 S.S. | 316 S.S. | Monel | Titanium | Hastelloy | D.S.S |
| Plates | Bronze | 316 S.S. | 316 S.S. | Monel | Titanium | Hastelloy | D.S.S |
| Pin | 316 S.S. | 316 S.S. | 316 S.S. | Monel | Titanium | Hastelloy | D.S.S |
| Seat: (Metal) Suffix 'M' (Viton) Suffix 'V' (P.T.F.E) Suffix 'P' (Neoprene) Suffix 'N' Buna-N Suffix 'B' EPDM Suffix 'E' Peek Suffix 'K' | Max. Temp See Table A 204°C 250°C 120°C 120°C 120°C 250°C | Max. Temp See Table A 204°C 250°C 120°C 120°C 120°C 250°C | Max. Temp See Table A 204°C 250°C 120°C 120°C 120°C 250°C | Max. Temp See Table A 204°C 250°C 120°C 120°C 120°C 250°C | Max. Temp See Table A 204°C 250°C 120°C 120°C 120°C 250°C | Max. Temp See Table A 204°C 250°C 120°C 120°C 120°C 250°C | Max. Temp See Table A 204°C 250°C 120°C 120°C 120°C 250°C |
| Spring | Inconel Inconel-X-750 Titanium Hastelloy | Suffix 'I' Suffix 'X' Suffix 'T' Suffix 'H' | Table A - Metal Bronze C95800 Carbon Steel Stainless Steel Monel Titanium Gr2 Hastelloy C276 Duplex Stainless Steel (F51) | | | Max. Temp See Table A 260°C 425°C 538°C 475°C 316°C 675°C 315°C | |

PRINCIPLE DIMENSIONS

| | | | | | | | | | |
|----------------------------------|-------------------------------|----|----|-----|-----|-----|-----|-----|-----|
| Nominal Size 'DN' (mm) | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| Min. out. Pipe bore (mm) (Metal) | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
| Length 'L' (mm) | 17 | 20 | 24 | 27 | 32 | 32 | 45 | 47 | 58 |
| Outside Diameter 'OD' (mm) | Please see OD chart on page 2 | | | | | | | | |
| Weight (Kg) | 2 | 3 | 4 | 5 | 7 | 8 | 20 | 35 | 60 |

Working Pressure up to 100 BarG

Higher pressures on request

Lugged style on request

Larger sizes on request

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www.abacusvalves.com
sales@abacusvalves.com

Notes:

- Wafer pattern design offers significant space and weight reduction compared with traditional flanged valve design.
- Superior by design
- 24 hour quotation turn around
- Comprehensive stocks
- Worldwide distribution
- Technical assistance and advice always available



OUTSIDE DIAMETERS FOR WAFER CHECK VALVES

| Size (mm) | Size (in) | PN6 | PN10 | PN16 | PN25 | PN40 | Table 'D' | Table 'E' | ANSI 150 | ANSI 300 | ANSI 600 | ANSI 900 | ANSI 1500 | ANSI 2500 |
|-----------|-----------|-----|------|------|------|------|-----------|-----------|----------|----------|----------|----------|-----------|-----------|
| 15 | 0.5 | 45 | 53 | 53 | 53 | 53 | 54 | 54 | 48 | 54 | 54 | 63 | 63 | 70 |
| 20 | 0.75 | 55 | 63 | 63 | 63 | 63 | 60 | 60 | 57 | 67 | 67 | 70 | 70 | 76 |
| 25 | 1.0 | 65 | 73 | 73 | 73 | 73 | 70 | 70 | 67 | 73 | 73 | 79 | 79 | 85 |
| 40 | 1.5 | 88 | 94 | 94 | 94 | 94 | 86 | 86 | 86 | 95 | 95 | 98 | 98 | 117 |
| 50 | 2.0 | 98 | 109 | 109 | 109 | 109 | 99 | 99 | 105 | 111 | 111 | 143 | 143 | 146 |
| 65 | 2.5 | 118 | 129 | 129 | 129 | 129 | 111 | 111 | 124 | 130 | 130 | 165 | 165 | 168 |
| 80 | 3.0 | 134 | 144 | 144 | 144 | 144 | 130 | 130 | 137 | 149 | 149 | 168 | 174 | 197 |
| 100 | 4.0 | 154 | 164 | 164 | 170 | 170 | 162 | 162 | 175 | 181 | 193 | 206 | 209 | 235 |
| 125 | 5.0 | 184 | 194 | 194 | 196 | 196 | 194 | 194 | 197 | 216 | 241 | 247 | 254 | 279 |
| 150 | 6.0 | 209 | 220 | 200 | 226 | 226 | 219 | 214 | 222 | 251 | 266 | 289 | 282 | 317 |
| 200 | 8.0 | 264 | 275 | 275 | 286 | 293 | 276 | 273 | 279 | 308 | 320 | 359 | 352 | 387 |
| 250 | 10.0 | 319 | 330 | 331 | 343 | 355 | 336 | 336 | 339 | 352 | 400 | 435 | 435 | 476 |
| 300 | 12.0 | 375 | 380 | 386 | 403 | 420 | 387 | 384 | 409 | 422 | 457 | 498 | 520 | 549 |
| 350 | 14.0 | 425 | 440 | 446 | 460 | 477 | 448 | 448 | 451 | 486 | 492 | 521 | 578 | - |
| 400 | 16.0 | 475 | 491 | 498 | 517 | 549 | 499 | 499 | 514 | 540 | 565 | 575 | 641 | - |
| 450 | 18.0 | - | 541 | 558 | 567 | 574 | 562 | 562 | 549 | 597 | 613 | 638 | 705 | - |
| 500 | 20.0 | 580 | 596 | 620 | 627 | 631 | 619 | 619 | 606 | 654 | 683 | 699 | 758 | - |
| 600 | 24.0 | 681 | 698 | 737 | 734 | 747 | 730 | 730 | 718 | 775 | 791 | 838 | 902 | - |

Please note:

- The check valves above are not suitable for heavily pulsating flow such as can be experienced to reciprocating pumps or compressors
- If the wafer check valve you require is not shown or if you have a special design requirement, please contact us on +44 (0) 1505 681777 or sales@abacusvalves.com

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