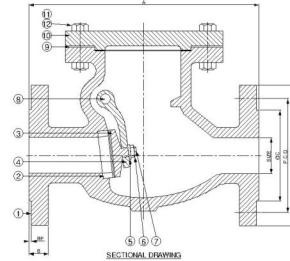


NON RETURN VALVE (NRV)

SWING TYPE NON RETURN VALVE



| | | | |
|-----|----------------|--------------------------------|---------|
| 12 | COVER STUD | ASTM A 193 Gr B7 | As Req. |
| 11 | COVER STUD NUT | ASTM A 194 Gr 2H | As Req. |
| 10 | COVER | ASTM A216 Gr VCB | 1 |
| 9 | GASKET | Comp Asbestos Fiber | 1 |
| 8 | HINGE PIN | ASIS SS 410 | 1 |
| 7 | SPLIT PIN | AISI SS 410 | 1 |
| 6 | DISC NUT | ASTM A 194 Gr 2H / ASTM A193B7 | 1 |
| 5 | WASHER | ASIS SS 410 | 1 |
| 4 | HINGE | ASTM A 216 Gr VCB | 1 |
| 3 | DISC | 13% Cr SS Fec ₂ | 1 |
| 2 | SEAL RING | C.S. min 13h Cr SS Facing | 1 |
| 1 | BODY | ASTM A 216 Gr VCB | 1 |
| NRV | DISASSEMBLY | VERTICAL | 1217 |

REFERENCE

- Mfg Standard : ANSI B 16.34 / BS 1888
 - Testing Standard : API 598 / BS 5146
 - Face to Face Dimensions : ANSI B 16.1
 - Flange Drilling : ANSI B 16.5 R.F
 - Pressure Rating Class : 150# , 300#
 - Shell Wall Thickness : ANSI B 16.34
-
- Size : DN25 to DN300
 - Max Working Pr. : 40 Barg
 - Temperature : -20°C to 400°C
 - Seal : Metal Seat
 - Application : Steam / Gas / Air / Liquid / Chemical

| CLASS 150 DIMENSIONS | | | | | | | |
|----------------------|-------|-----|-------|-------|-----|----|-------|
| 300 | 838.5 | 729 | 381 | 559.0 | 350 | 20 | 489.0 |
| 250 | 787.0 | 698 | 324.0 | 508.0 | 350 | 16 | 432.0 |
| 200 | 660.0 | 620 | 270.0 | 419.0 | 320 | 12 | 349.0 |
| 150 | 559.0 | 541 | 216.0 | 356.0 | 290 | 12 | 292.0 |
| 100 | 432.0 | 445 | 157.0 | 273.0 | 254 | 8 | 216.0 |
| 80 | 356.0 | 381 | 127 | 210.0 | 224 | 8 | 168.0 |
| 65 | 330.0 | 348 | 105.0 | 191.0 | 224 | 8 | 149.0 |
| 50 | 292.0 | 317 | 92.0 | 165.0 | 191 | 8 | 127.0 |
| 40 | 241.5 | 267 | 73.2 | 155.5 | 224 | 4 | 114.3 |
| SIZE | A | B | OC | OD | DN | N | PCD |

| CLASS 300 DIMENSIONS | | | | | | | |
|----------------------|-------|-----|-------|-------|-----|----|-------|
| 400 | 863.8 | 572 | 489.9 | 647.5 | 351 | 20 | 571.5 |
| 350 | 838.0 | 538 | 442.8 | 584.0 | 318 | 20 | 514.4 |
| 300 | 711.0 | 508 | 381 | 520.5 | 318 | 16 | 450.9 |
| 250 | 622.0 | 478 | 325.9 | 444.5 | 254 | 16 | 387.4 |
| 200 | 520.0 | 411 | 269.7 | 381.0 | 224 | 12 | 329.2 |
| 150 | 444.5 | 368 | 215.9 | 317.5 | 224 | 12 | 269.7 |
| 100 | 356.0 | 318 | 157.2 | 254.0 | 224 | 8 | 200.2 |
| 80 | 317.5 | 284 | 127 | 209.5 | 224 | 8 | 168.1 |
| 65 | 292.0 | 254 | 104.8 | 190.5 | 224 | 8 | 149.4 |
| 50 | 267.0 | 224 | 91.9 | 165.0 | 191 | 8 | 127.9 |
| 40 | 241.5 | 206 | 73.2 | 155.5 | 224 | 4 | 114.3 |
| SIZE | A | B | OC | OD | DN | N | PCD |

| CLASS 150 DIMENSIONS | | | | | | | |
|----------------------|-----|-----|-----|-------|----|----|-------|
| 400 | 864 | 365 | 470 | 597.0 | 29 | 18 | 539.8 |
| 350 | 787 | 350 | 443 | 533.0 | 29 | 12 | 478.2 |
| 300 | 699 | 320 | 381 | 483.0 | 25 | 12 | 432.0 |
| 250 | 622 | 300 | 324 | 406.0 | 25 | 12 | 368.0 |
| 200 | 495 | 285 | 270 | 343.0 | 22 | 8 | 296.8 |
| 150 | 356 | 250 | 216 | 279.0 | 22 | 8 | 241.0 |
| 100 | 292 | 240 | 157 | 229.0 | 19 | 8 | 190.5 |
| 80 | 241 | 240 | 127 | 190.5 | 19 | 4 | 152.4 |
| 65 | 216 | 223 | 105 | 178.0 | 19 | 4 | 140.9 |
| 50 | 200 | 19 | 92 | 152.0 | 19 | 4 | 120.5 |
| 40 | 165 | 175 | 73 | 127.0 | 16 | 4 | 98.5 |
| SIZE | A | B | OC | OD | DN | N | PCD |

| TESTING PRESSURE | | | |
|------------------|------------------------|------------------------|----------------------|
| CLASS | HYDROSTATIC | | PNEUMATIC TEST |
| | BODY | SEAT | |
| 150 | 30-kg/cm ² | 22-kg/cm ² | 5-kg/cm ² |
| 300 | 70-kg/cm ² | 55-kg/cm ² | 5-kg/cm ² |
| 600 | 150-kg/cm ² | 110-kg/cm ² | 5-kg/cm ² |

| CLASS | R.F. |
|-------|--------|
| 150 | 1.6mm |
| 300 | 1.6mm |
| 600 | 5.35mm |