

Catalogue No. VE / 009

CAST STEEL CHECK VALVE

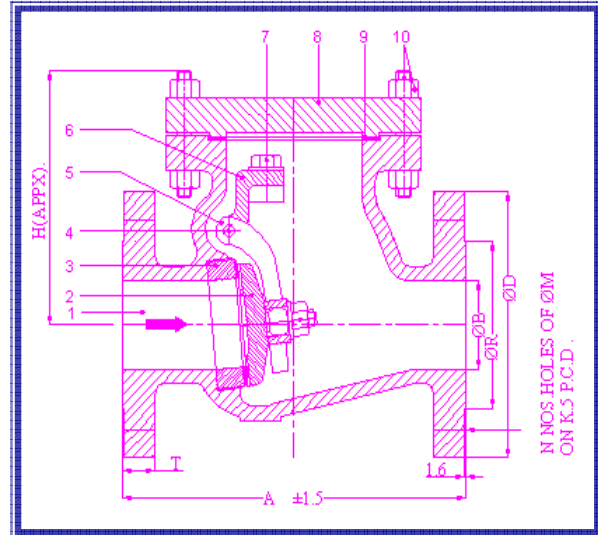
CLASS 300 / 600

TECHNICAL DATA

Manufacturing Standard : BS 1868
 Testing Standard : API 598 / BS 5146
 Face to Face to : ANSI B 16.10
 Flanges to : ANSI B 16.5

LIST OF MATERIALS

| Sr. | Item | Qty. | Material |
|-----|--------------|-------------|---|
| 1 | Body | 1 | ASTM A - 216 Gr. WCB ASTM A - 351 Gr. CF8 / CF8M |
| 2 | Disc | 1 | CS With 13% Cr.Facing AISI - 304 / 316 |
| 3 | Seat Ring | 1 | CS With 13% Cr.Facing AISI - 304 / 316(Integral) |
| 4 | Hinge Pin | 1 | AISI - 410 / 304 / 316 |
| 5 | Hinge | 1 | Caebon Steel AISI - 304 / 316 |
| 6 | Bracket | 1 | Caebon Steel AISI - 304 / 316 |
| 7 | Bracket Bolt | 2 | SS - 304 / 316 |
| 8 | Cover | 1 | ASTM A - 216 Gr. WCB ASTM A - 351 Gr. CF8 / CF8M |
| 9 | Gasket | 1 | Spiral Wound SS 304 With CAF Filler |
| 10 | Stud & Nut | As Reqd. | ASTM A - 193 Gr. B7 ASTM A - 194 Gr. 2H |



A S A - 3 0 0

| SIZE | B | A | D | T | R | K | N | M | H |
|------|-----|-----|-----|----|-----|-----|----|----|-----|
| 40 | 38 | 241 | 156 | 21 | 73 | 114 | 4 | 22 | 154 |
| 50 | 51 | 267 | 165 | 22 | 92 | 127 | 8 | 19 | 163 |
| 65 | 63 | 292 | 191 | 25 | 105 | 149 | 8 | 22 | 187 |
| 80 | 76 | 318 | 210 | 29 | 127 | 168 | 8 | 22 | 200 |
| 100 | 102 | 356 | 254 | 32 | 157 | 200 | 8 | 22 | 230 |
| 125 | 125 | 400 | 279 | 35 | 186 | 235 | 8 | 22 | 255 |
| 150 | 152 | 445 | 318 | 37 | 216 | 270 | 12 | 22 | 275 |
| 200 | 203 | 533 | 381 | 41 | 270 | 330 | 12 | 25 | 332 |
| 250 | 254 | 622 | 445 | 48 | 324 | 387 | 16 | 28 | 367 |
| 300 | 306 | 711 | 521 | 51 | 381 | 451 | 16 | 32 | 409 |

A S A - 6 0 0

| SIZE | B | A | D | T | R | K | N | M | H |
|------|-----|-----|-----|----|-----|-----|----|----|-----|
| 40 | 38 | 241 | 156 | 22 | 73 | 114 | 4 | 22 | 173 |
| 50 | 51 | 292 | 165 | 25 | 92 | 127 | 8 | 19 | 185 |
| 65 | 63 | 330 | 190 | 29 | 105 | 149 | 8 | 22 | 203 |
| 80 | 76 | 356 | 210 | 32 | 127 | 168 | 8 | 22 | 228 |
| 100 | 102 | 432 | 273 | 38 | 157 | 216 | 8 | 25 | 264 |
| 125 | 125 | 508 | 330 | 45 | 186 | 267 | 8 | 28 | 296 |
| 150 | 152 | 559 | 356 | 48 | 216 | 292 | 12 | 29 | 336 |
| 200 | 203 | 660 | 419 | 56 | 270 | 349 | 12 | 32 | 386 |

SERVICE RATING & TEST PRESSURE (P S I G)

| CLASS | TEMP | HYDRO. | | SEAT AIR |
|-------|-------|--------|------|----------|
| | | BODY | SEAT | |
| 300 | 850°F | 1114 | 814 | Not |
| 600 | 850°F | 2232 | 1629 | Reqd. |

ENGINEERING OPTIONS:

- 1) Stelling is done on Seat ring & Disc if required.

Note :

- 1) For 600 # Raised face Thickness = 6.4
- 2) For 600 # raised face thickness is not included to flange thickness.

All Dimensions are in M.M