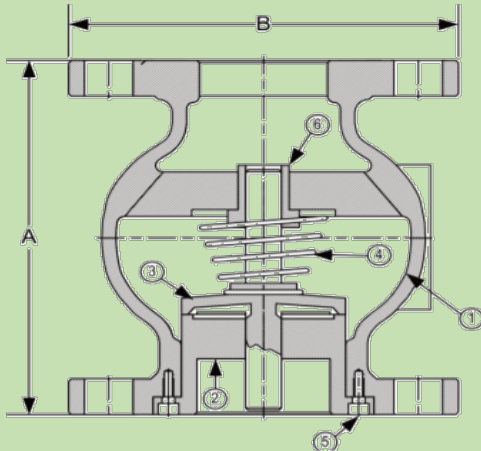




150/300 ANSI DUCTILE IRON BODY GLOBE STYLE SILENT CHECK VALVES

MODEL: CHK-300-DI



Recommended Application:

Check Valves are used to prevent water hammer and flow reversal in pipelines. Suitable for use for oil and gas production, general industry, chemical, petrochemical, power plants. These valves can be installed vertically or horizontally. The bodies are oversized to allow for a lower pressure drop

Features:

Fully automatic spring assisted disc enables a silent shut off, while the center guided design creates a positive shutoff prior to flow reversal, which greatly reduces water hammer and slamming in the pipeline. The standard machined metal to metal seats ensure a tight seal that meets or exceeds API 598 leakage requirements. Fabrotech can supply, as an option, resilient seats, which will also provide bubble tight seals.

Limitations:

These check valves are not recommended for steam service, or use in flow where the media contains solids. We strongly suggest a Fabrotech strainer before the check valve to remove debris from the line. These valves are designed for "steady" flow conditions, and not for use with reciprocating pumps.

BILL OF MATERIALS

| ITEM | DESCRIPTION | MATERIAL |
|------|-------------|-----------------------------|
| 1 | BODY | DUCTILE IRON (ASTM A536) |
| 2 | SEAT | ALUMINUM BRONZE (ASTM B148) |
| 3 | DISC | ALUMINUM BRONZE (ASTM B148) |
| 4 | SPRING | 300 SERIES STAINLESS STEEL |
| 5 | CAP SCREW | 300 SERIES STAINLESS STEEL |
| 6 | BUSHING | BRONZE |

DIMENSIONS & WEIGHTS APPROXIMATE
(Apply for certified drawings)

| SIZE | in | 2 | 3 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
|-------------------|-----|-------|-------|-------|-------|--------|--------|-------|--------|--------|--------|--------|--------|-------|
| | mm | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| A | in | 6.75 | 7.625 | 8.25 | 9.125 | 10.0 | 11.375 | 14.0 | 17.0 | 20.875 | 23.375 | 25.625 | 24.125 | 56.0 |
| (FACE TO FACE) | mm | 172.0 | 194.0 | 210.0 | 232.0 | 254.0 | 289.0 | 356.0 | 432.0 | 531.0 | 594.0 | 651.0 | 613.0 | 661.0 |
| B | in | 6.5 | 7.5 | 8.25 | 10.0 | 11.0 | 12.50 | 15.00 | 17.50 | 20.50 | 23.0 | 25.50 | 28.0 | 36.0 |
| (FLANGE DIAMETER) | mm | 166 | 191 | 210 | 254 | 280 | 318 | 381 | 445 | 521 | 585 | 648 | 712 | 915 |
| C | in | 4.875 | 5.75 | 6.625 | 8.875 | 10.375 | 11.5 | 15.0 | 17.875 | 22.125 | 24.25 | 26.875 | 30.0 | 37.0 |
| (BODY DIAMETER) | mm | 124 | 147 | 169 | 226 | 264 | 293 | 381 | 455 | 562 | 616 | 683 | 762 | 940 |
| WEIGHTS (lbs) | lb | 21 | 30 | 39 | 64 | 93 | 125 | 198 | 303 | 432 | 612 | 1000 | 1238 | 2500 |
| | kg | 10 | 14 | 18 | 29 | 42 | 57 | 90 | 137 | 196 | 278 | 453 | 561 | 1133 |
| Flow Coefficient | Cv | 65 | 105 | 150 | 265 | 410 | 600 | 1100 | 1800 | 2500 | 3100 | 4300 | 5000 | 9800 |
| CRACKING PRESS. | psi | ≤ .5 | ≤ .5 | ≤ .5 | ≤ .5 | ≤ .5 | ≤ .5 | ≤ .5 | ≤ .5 | ≤ .5 | ≤ .5 | ≤ .5 | ≤ .5 | ≤ .5 |

FABROTECH INDUSTRIES, INC.

2089 NINTH AVENUE, RONKONKOMA, NEW YORK 11779

TEL: (631) 467-2040 FAX: (631) 467-2196 e-mail: info@fabrotech.com

www.fabrotech.com