

MODEL: CV 41-DI

Body: Ductile Iron

Seats: Buna, Viton & EPDM

Discs: Stainless Steel & Aluminum Bronze

SIZES 2" – 6" PROVIDE
DUAL PRESSURE SERVICE
ASME CLASS 150/300
(Scalloped Design)



FEATURES

SIZES: 2" ~ 24"

LARGER SIZES AVAILABLE UPON REQUEST

- ◇ **COST EFFICIENT DESIGN**
LOW WEIGHT AND SHORT LAYING LENGTH PRODUCE SAVINGS IN INITIAL COST, SPACE REQUIREMENTS, AND INSTALLATION WHEN COMPARED TO FULL-BODY, SWING-TYPE CHECK VALVES.
- ◇ **MINIMAL HEAD LOSS**
CONTOUR OF BODY PROVIDES A SHORT AND STRAIGHT FLOW PATH THAT GENERATES VERY LITTLE TURBULENCE. ADDITIONALLY, THE SPRING-LOADED DISCS ARE DESIGNED WITH VERY LOW CRACKING PRESSURE WHICH REDUCES THE AMOUNT OF ENERGY REQUIRED TO OPEN THE VALVE.
- ◇ **QUICK CLOSURE TO REDUCE WATER HAMMER**
SHUT-OFF IS ACHIEVED VIA THE FULLY AUTOMATIC, SPRING-ASSISTED DISCS THAT CLOSE NEAR ZERO FLOW VELOCITY. THE LIGHTWEIGHT, SPLIT DISC DESIGN CREATES A POSITIVE SHUTOFF PRIOR TO FLOW REVERSAL AND HELPS TO KEEP SLAMMING AND SURGES TO A MINIMUM.
- ◇ **DUCTILE IRON BODY**
DUCTILE IRON BODY MAINTAINS THE ANTI-CORROSIVE PROPERTIES OF CAST IRON WHILE ACHIEVING A YIELD STRENGTH COMPARABLE TO CARBON STEEL. DUCTILE IRON ALSO OFFERS HIGHER PRESSURE/TEMPERATURE RATINGS THAN CAST IRON.
- ◇ **RESILIENT SOFT SEATS**
RESILIENT SOFT SEATS (EPDM, VITON OR BUNA) ENSURE A BUBBLE TIGHT SEAL THAT MEETS OR EXCEEDS API 598 TEST REQUIREMENTS.

TECHNICAL

PRESSURE/TEMPERATURE RATING
DI - ASTM A536 - CLASS 150 - 2" ~ 24"

WOG (Non-shock): 250 PSI @ 100 °F

PRESSURE/TEMPERATURE RATING
DI - ASTM A536 - CLASS 300 - 2" ~ 6" only

WOG (Non-shock): 640 PSI @ 100 °F

SEAT MATERIAL
TEMPERATURE RANGE

EPDM: -20 ~ 300 °F
BUNA-N: -20 ~ 250 °F
VITON: -40 ~ 400 °F

SPRING MATERIAL
MAXIMUM TEMPERATURE

Series 300 Stainless Steel: 450 °F