



CHECK VALVE ♦ SINGLE DISC ♦ THREADED & SOCKET WELD

ASME CLASS 300 ♦ STAINLESS STEEL BODY

ONE-PIECE BODY DESIGN!



MODEL: CV 88T-SS

(STAINLESS STEEL - THREADED)

CV 88S-SS

(STAINLESS STEEL - SOCKET WELD)

SIZE RANGE:
1/2" THROUGH 3"

FEATURES

- ♦ **SIMPLE DESIGN**
THE ALL STAINLESS-STEEL BODY COUPLED WITH A SIMPLIFIED DESIGN (ONLY THREE PARTS) HELPS TO ELIMINATE POSSIBLE FAILURE POINTS. THE NEED FOR O-RINGS OR GASKET SEALS IS NOT NEEDED.
- ♦ **MINIMAL HEAD LOSS**
THE CONTOUR OF BODY PROVIDES A SHORT AND STRAIGHT FLOW PATH THAT GENERATES VERY LITTLE TURBULENCE. ADDITIONALLY, THE SPRING-LOADED, DISC IS 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 DISC THAT CLOSES NEAR ZERO FLOW VELOCITY. THE LIGHTWEIGHT, FLOATING DISC DESIGN CREATES A POSITIVE SHUTOFF PRIOR TO FLOW REVERSAL AND HELPS TO KEEP SLAMMING AND SURGES TO A MINIMUM.
- ♦ **DESIGNED FOR LONG SERVICE LIFE**
THE CV88-SS UTILIZES A HIGHLY RELIABLE INVESTMENT CASTING AND WELDED STAINLESS STEEL CONSTRUCTION THAT CAN PROVIDE A LONG SERVICE LIFE FOR A WIDE VARIETY OF APPLICATIONS.
- ♦ **VERSATILE AND ECONOMICAL DESIGN**
THE CV88-SS CAN BE INSTALLED IN ANY POSITION (HORIZONTAL OR VERTICAL WITH UPWARD FLOW) - CONSULT FACTORY FOR VERTICAL WITH DOWNWARD FLOW. HEX ENDS ARE PROVIDED FOR QUICK AND EASY INSTALLATIONS.

TECHNICAL

PRESSURE/TEMPERATURE RATING SS - ASTM A351 GR. CF8M - CLASS 300
WOG (Non-shock): 720 PSI @ 100 °F Max Liquid: 435 PSI @ 700 °F Max Steam: 480 PSI @ 500 °F
SEAT MATERIAL TEMPERATURE RANGE
Stainless Steel: -325 °F to 1000 °F
SPRING MATERIAL MAXIMUM TEMPERATURE
Inconel X-750: 1000 °F

1. The above listed temperatures are theoretical and may vary during actual operating conditions.
2. Max and min temperatures are for reference only. Prolonged use at these temperatures is not recommended for optimal service life.

APPLICATIONS

MARKETS: GENERAL INDUSTRY, CHEMICAL INDUSTRY, PETROCHEMICAL INDUSTRY, POWER, FOOD & BEVERAGE INDUSTRIES.

SERVICE: CHEMICAL / STEAM / NITROGEN LINES, GAS INJECTION, CONDENSATE RECOVERY, PUMP & COMPRESSOR DISCHARGE, PUMP JACK FLOW LINES, CHILLER & BOILER FEED

ICONEL PROPERTIES: X-750 IS A PRECIPITATION-HARDENABLE ALLOY WHICH HAS BEEN USED IN APPLICATIONS SUCH AS HIGH TEMPERATURE STRUCTURAL MEMBERS FOR GAS TURBINES, JET ENGINE PARTS, HEAT-TREATING FIXTURES, FORMING TOOLS, AND EXTRUSION DIES.

The above data represents common market and service applications. No representation or guarantee, expressed or implied, is given due to the numerous variations of concentrations, temperatures and flow conditions that may occur during actual service.

TITAN FLOW CONTROL, INC.

YOUR PIPELINE TO THE FUTURE!

Tel: 910-735-0000 ♦ Fax: 910-738-3848 ♦ titan@titanfci.com ♦ www.titanfci.com
290 Corporate Drive ♦ PO Box 7408 ♦ Lumberton, NC 28358

