TECHNICAL DATA

NOMINAL CRACK PRESSURES: .15, 1, 3, 5* & 8 PSIG
MAX. OPERATING PRESSURE: 1000 PSIG @ 70° F.
LEAKAGE IN CHECK DIRECTION (AMBIENT):
< 20 cc /MIN @ 25 PSI, NITROGEN
EXTERNAL LEAKAGE: ZERO
LUBRICANT: KRYTOX 205 ON COPPER CRUSH WASHER

TEMPERATURE RANGE: -452° F TO 350° F.
SUITABLE FOR LIQUID CRYOGENIC SERVICE

HOW TO ORDER

CV - 253 B - T - 1

SERIES
CV - CHECK VALVE

PIPE SIZE (NPT)
253 - 1/4" NPT
373 - 3/8" NPT
503 - 1/2" NPT
753 - 3/4" NPT
1003 - 1" NPT
1253 - 1 1/4" NPT
1503 - 1 1/2" NPT
2003 - 2" NPT

* 5 PSI SPRING ONLY AVAILABLE ON 1/2" SIZE, CV-503

SEAL MATERIAL
T - PTFE

NOMINAL SET PRESSURE
.15 - (0.1 - 0.4 PSIG)
1 - (0.5 - 1 PSIG)
3 - (2 - 4 PSIG)
5* - (4 - 6 PSIG)
8 - (6 -10 PSIG)

NOTES:
1) CLEANED AND PACKAGED FOR OXYGEN SERVICE.
2) NPT THREADS CONFORM TO ANSI/ASME STANDARD B1.20.1

MATERIAL CODE
B - BRASS
S - 303 STAINLESS STEEL
SS - 316 STAINLESS STEEL

PIECE SIZE THREAD A (INCH) B Cv
253 1/4"-18 NPT 2.25 1" 3.0
373 3/8"-18 NPT 2.43 1 1/8" 3.9
503 1/2"-14 NPT 2.93 1 1/2" 7.4
753 3/4"-14 NPT 3.37 1 3/4" 11.4
1003 1"-11 1/2 NPT 3.99 2" 14.2
1253 1 1/4"-11 1/2 NPT 4.53 2 3/4" 26.8
1503 1 1/2"-11 1/2 NPT 5.29 2 3/4" 26.8
2003 2"-11 1/2 NPT 6.13 φ3 11/32" 51.0

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