

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

REVISIONS			
DCR	DESCRIPTION	DATE	REV.
1163	CONVERTED TO ACAD	9-16-2010	A
2093	UPDATED WITH ADDITIONAL SIZES	3/6/2013	B
2192	UPDATED DRAWING	6/21/2013	C
3508	UPDATED TEMPERATURE RANGE	2/6/2017	D



HOW TO ORDER

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

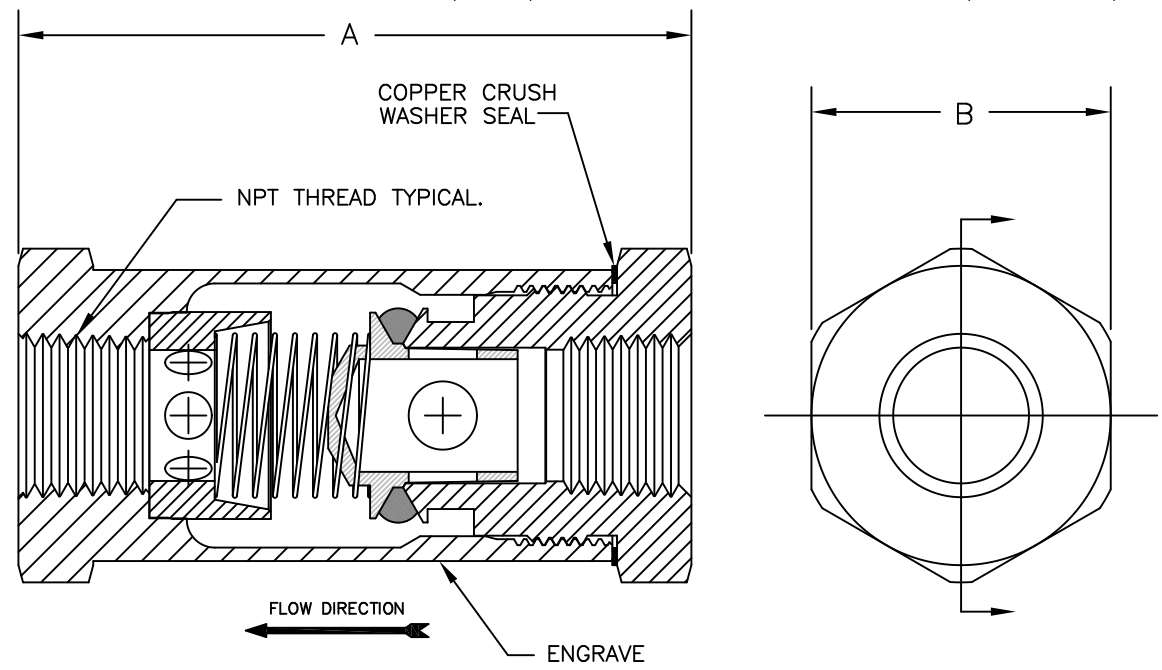
NOMINAL SET PRESSURE
 .15 - (0.1 - 0.4 PSIG)
 1 - (0.5 - 1 PSIG)
 3 - (2 - 4 PSIG)
 5* - (4 - 6 PSIG)
 8 - (6 - 10 PSIG)

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

SEAL MATERIAL
 T - PTFE

MATERIAL CODE

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



PIPE 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	ø3 11/32"	51.0

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

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MAT'L. AS SPECIFIED TOLERANCE SCHEDULE UNLESS OTHERWISE SPECIFIED FRACTIONAL: ± 1/64" ANGLES: ± 1/2" XX ± 1/16" XXX ± .005 CONCENTRICITY: .005 T.I.R. FINISHED SURFACES: 63 Ra BREAK CORNERS/EDGES: .016 MAX.	APPROVALS DRAWN H.H. PROD. M.G. ENG. B.B. MFG. M.G. Q.A. C.G.			TITLE: CRYOGENIC LIQUID SERVICE CHECK VALVE
	SIZE: A DATE: 9-16-10 DWG. NO.: CV-**3*-T-* SCALE: 1.5:1	REV. D	SHEET: 1 OF 1	