

CHECK VALVES



- Sizes: 1/8" to 1"
- Pressure Ratings: 3,000 PSI, 6,000 PSI, 10,000 PSI
- NPT, ISO/BSP, Threads
- Stainless Steel (316L, 316, 304, 304L),
Brass, Carbon Steel, Monel, Inconel

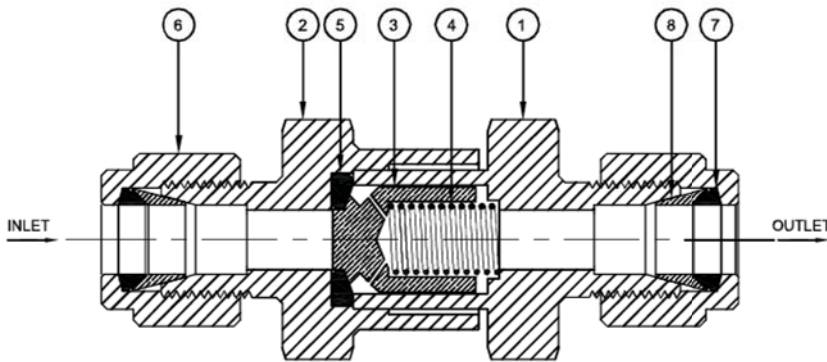
TVI CHECK VALVES

TVI offer a wide range of Check Valves. These are specially designed & manufactured to control the flow of fluids and gases in corrosive & hazardous environment. Our range is widely used in process control, instrumentation and flow control applications. These valves are known for durability and maximum efficiency. This helps to provide high quality and low cost alternatives in fluid and gaseous control systems of different applications.

Features:

- Available in high grade stainless steel, brass materials
- Variety of end connections includes Male/Female threaded NPT, BSP, BSPT, ISO, DIN and JIS tapered pipe ends
- "O" ring poppet design for replaceable high integrity seal.
- Tight shut-off and accurate cracking pressure.
- Pressure / Temperature Ratings
- 100% factory tested for both crack & reseal
- Complete heat traceability
- Suitable for gas and liquids.

Design & Materials Description:



ITEM NO.	PART NAME	MATERIAL	QTY.
1	BODY (OUTLET)	A479-316 S.S	1
2	BODY (INLET)	A479-316 S.S	1
3	POPPET	A479-316 S.S	1
4	SPRING	302 S.S	1
5	"O" RING	VITON/BUNA-N	1
6	NUT	316 S.S	1
7	FRONT FERRULE	316 S.S	1
8	BACK FERRULE	316 S.S	1

Pressure & Temperature Rating:

Pressure Rating:

316 SS.	1/8" to 3/4"	5000 psig CWP (345 bar)	QTY.
316 SS.	1"	3000 psig CWP (345 bar)	QTY.
BRASS	1/8" to 1"	3000 psig CWP (345 bar)	QTY.

Working Temperatures:

VITON SEAL	-15° F to 375° F (-26°C to 190°C)
BUNA-N RUBBER	-30° F to 275° F (-34°C to 135° C)
FLUOROCARBON RUBBEE	-15° F to 400° F (-26°C to 204°C)
NEOPRENE RUBBER	-45° F to 250° F (-43°C to 121°C)

Orifice Sizes:

1.078" to 0.656" (2.0mm to 16.7mm)

C_v Factor:

0.18 to 6.56

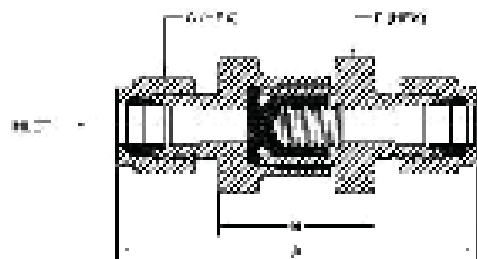


Note:

Valve may initially crack at higher than subsequent cracking pressure if are not actuated for a period of time.

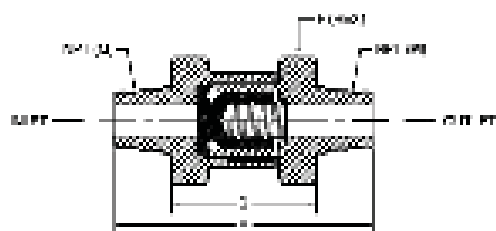
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OD-OD Check Valve



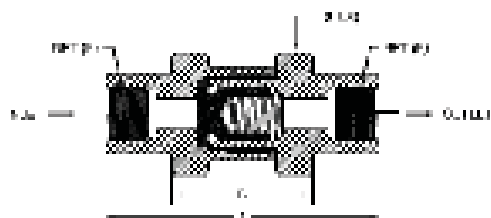
PART NO.	INLET	OUTLET	A	B	F HEX	G HEX
TCV-02-OD	1/8" OD	1/8" OD	68.50	33.50	19.00	11.00
TCV-06-OD	6mm OD	6mm OD	72.00	34.50	19.00	14.00
TCV-04-OD	1/4" OD	1/4" OD	72.00	33.50	19.00	14.00
TCV-04-04M MOD	1/4" MALE NPT	1/4" OD	68.00	33.50	19.00	14.00
TCV-04-M06 MOD	1/4" MALE NPT	6mm OD	68.00	33.50	19.00	14.00
TCV-M06-OD	6mm OD	6mm OD	72.00	33.50	19.00	16.00
TCV-06-03	3/8" OD	3/8" OD	71.00	34.50	19.00	17.00
TCV-M10-03	10mm OD	10mm OD	74.50	33.50	19.00	19.00
TCV-08-OD	1/2" OD	1/2" OD	79.00	34.00	22.00	22.00
TCV-08-08 MOD	1/2" MALE NPT	1/2" OD	76.00	34.00	22.00	22.00
TCV-08-M12 MOD	1/2" MALE NPT	12mm OD	76.00	34.00	22.00	22.00
TCV-M12-OD	12mm OD	12mm OD	79.00	34.00	22.00	22.00
TCV-10-OD	5/8" OD	5/8" OD	106.00	60.00	32.00	25.40
TCV-M16-OD	16mm OD	16mm OD	106.00	60.00	32.00	25.40
TCV-12-OD	3/4" OD	3/4" OD	116.00	60.00	32.00	25.40
TCV-12-12-MOD	3/4" MALE NPT	3/4" OD	110.50	60.00	32.00	28.50
TCV-16-OD	1" OD	1" OD	118.00	65.00	35.00	38.00
TCV-16-16 MOD	1" MALE NPT	1" OD	118.00	65.00	35.00	38.00
TCV-M25-OD	25" OD	25mm OD	118.00	65.00	35.00	38.00

Male x Male Check Valve



PART NO.	INLET	OUTLET	A	B	F HEX
TCV-02-MM	1/8" MALE NPT	1/8" MALE NPT	64.00	30.00	16.00
TCV-04-MM	1/4" MALE NPT	1/4" MALE NPT	62.00	30.00	16.00
TCV-06-MM	3/8" MALE NPT	3/8" MALE NPT	62.00	30.00	16.00
TCV-08-MM	1/2" MALE NPT	1/2" MALE NPT	70.00	30.00	22.00
TCV-12-MM	3/4" MALE NPT	3/4" MALE NPT	94.00	60.00	32.00
TCV-16-MM	1" MALE NPT	1" MALE NPT	119.00	65.00	35.00

Female x Female Check Valve



PART NO.	INLET	OUTLET	A	B	F HEX
TCV-02-FF	1/8" FEMALE NPT	1/8" FEMALE NPT	50.00	33.50	19.00
TCV-04-FF	1/4" FEMALE NPT	1/4" FEMALE NPT	50.00	33.50	19.00
TCV-06-FF	3/8" FEMALE NPT	3/8" FEMALE NPT	50.00	34.00	22.00
TCV-08-FF	1/2" FEMALE NPT	1/2" FEMALE NPT	55.00		22.00
TCV-12-FF	3/4" FEMALE NPT	3/4" FEMALE NPT	87.00		35.00
TCV-16-FF	1" FEMALE NPT	1" FEMALE NPT	88.50		40.00

Dimensions are for reference only and are subject to change.