

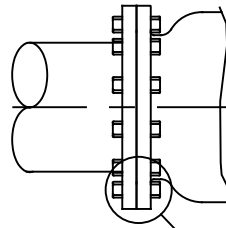
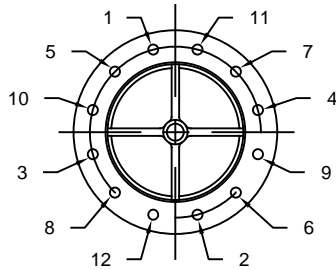
Silent Check Valve Flange Installation Requirements

Model 402/402R Globe Style Sizes 2" Thru 24" / 50 mm Thru 600 mm



WARNING NOTICE

1. Damage to the valve and/or internal leakage can result if other than standard inside diameters conforming to ANSI B16.5 or AWWA C207-94 are utilized. Mortar lined pipe, with expanded diameters that compensate for the mortar lining, may require backup ring flange.
2. Proper centering of ring gasket is important to prevent internal valve leakage.
3. The valve & adjacent piping must be supported & aligned to prevent stress from being transferred to the valve's flanges. The torquing of the flange bolts should then be done in several graduate steps, using the number sequence shown below. The even loading of the flange bolts will eliminate concentrated stresses which could fracture the valve's flanges.
4. If used on the suction side of the system or for low pressure applications model 402BTR with rubber seal is required.



CHECK VALVE

INSTALLATION REQUIREMENTS

RECOMMENDED FOR VERTICAL OR HORIZONTAL POSITIONS ONLY

IMPORTANT

NOTE NO. 1 The matching companion flange I.D. must overlap the valve seat. This is required for proper seat retention.

NOTE NO. 2 The flange gasket must be properly centered and of the size indicated. This is required to achieve a seal between the seat O.D. and the body I.D. interface area.

A
MAXIMUM ALLOWABLE INSIDE DIAMETER OF FLANGE

ANSI B16.5 COMP-UNION FLANGE WITH FULL FLAT FACE.

RING OR FULL FACE GASKET (1/8" MAX THICKNESS)

SILENT CHECK VALVE

VALVE SEAT

VALVE BODY

MAXIMUM ALLOWABLE INSIDE DIAMETER OF FLANGE (SEE NOTE NO. 1)			
SIZE	A	SIZE	A
2	2.57	10	10.88
2.5	2.94	12	12.88
3	3.57	14	14.19
4	4.57	16	16.19
5	5.66	18	18.19
6	6.72	20	20.19
8	8.72	24	24.19

RING GASKET DIMENSIONS (SEE NOTE NO. 2)							
VALVE SIZE	GASKET I.D.	GASKET O.D.		VALVE SIZE	GASKET I.D.	GASKET O.D.	
		125LB	250LB			125LB	250LB
2	2.375	6.00	6.50	10	10.75	13.375	14.25
2.5	2.875	4.875	5.125	12	12.75	16.125	16.625
3	3.500	5.375	5.875	14	14.00	17.75	19.125
4	4.500	6.875	7.125	16	16.00	20.25	21.25
5	5.562	7.750	8.500	18	18.00	21.625	23.50
6	6.625	8.750	9.875	20	20.00	23.875	25.75
8	8.625	11.00	12.125	24	24.00	28.25	30.50

2"-12" NSF APPROVED
Patent # 6,024,121

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