



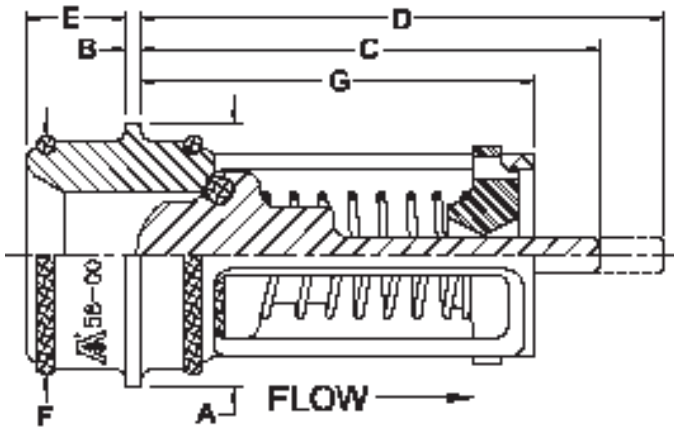
See PED statement below



US Patent Numbers: 5,033,503; 6,039,073; & 6,152,171
 Canadian Patent Number: 2,039,991

The **3-A SANITARY** valve is an all 316/316L stainless steel check valve with a standard 32 Ra or better finish (finer available) for use in new or existing sanitary systems. This valve's design seals on the ID of sanitary ferrules with 3-A specified materials. The valve seals inside fittings such as Tri-Clover® Bevel Seat and Tri-Clamp®, Waukesha Cherry-Burrell Q-Line® and S-Line®, and others with ID dimensions equal to the "F" dimensions listed below (ferrules not included). This valve is designed to be easily disassembled and spare parts are available. The compact design fits inside a single set of ferrules and requires no additional space in the line. The insert design makes it extremely economical when compared to full-bodied valves. The wide variety of seat materials and cracking pressure springs allow this series to be used as a check valve or vacuum breaker; please specify when ordering.

PED Conformance Statement: Due to the unique design of the 3-A Sanitary valve, this series is not considered a pressure vessel but rather a gasket. According to PED Guideline 1/8, gaskets are not governed by the Pressure Equipment Directive. As a result, the 3SC series is available for sale in the European Community and no CE Mark is required.



Line Size	Size Code	A	B	C ^①	D ^②	E	F ^③	G	Orifice Diameter
1	H	1	1/16	1.72	2.16	0.38	0.870	1.47	0.476
1-1/2	J	1-1/2	1/16	2.53	3.47	0.38	1.370	2.18	0.890
2	K	2	1/16	3.03	4.13	0.47	1.870	2.59	1.135
2-1/2	L	2-1/2	1/16	3.28	4.59	0.47	2.370	2.85	1.595
3	M	3	1/16	4.59	5.53	0.47	2.870	3.36	2.150
4	N	4	1/16	4.75	6.69	0.47	3.834	4.02	2.699

① Dimension for valve closed.
 ② Maximum nominal dimension for a fully open valve.
 ③ Valves are designed to function with fittings having these internal diameters. (±0.005)

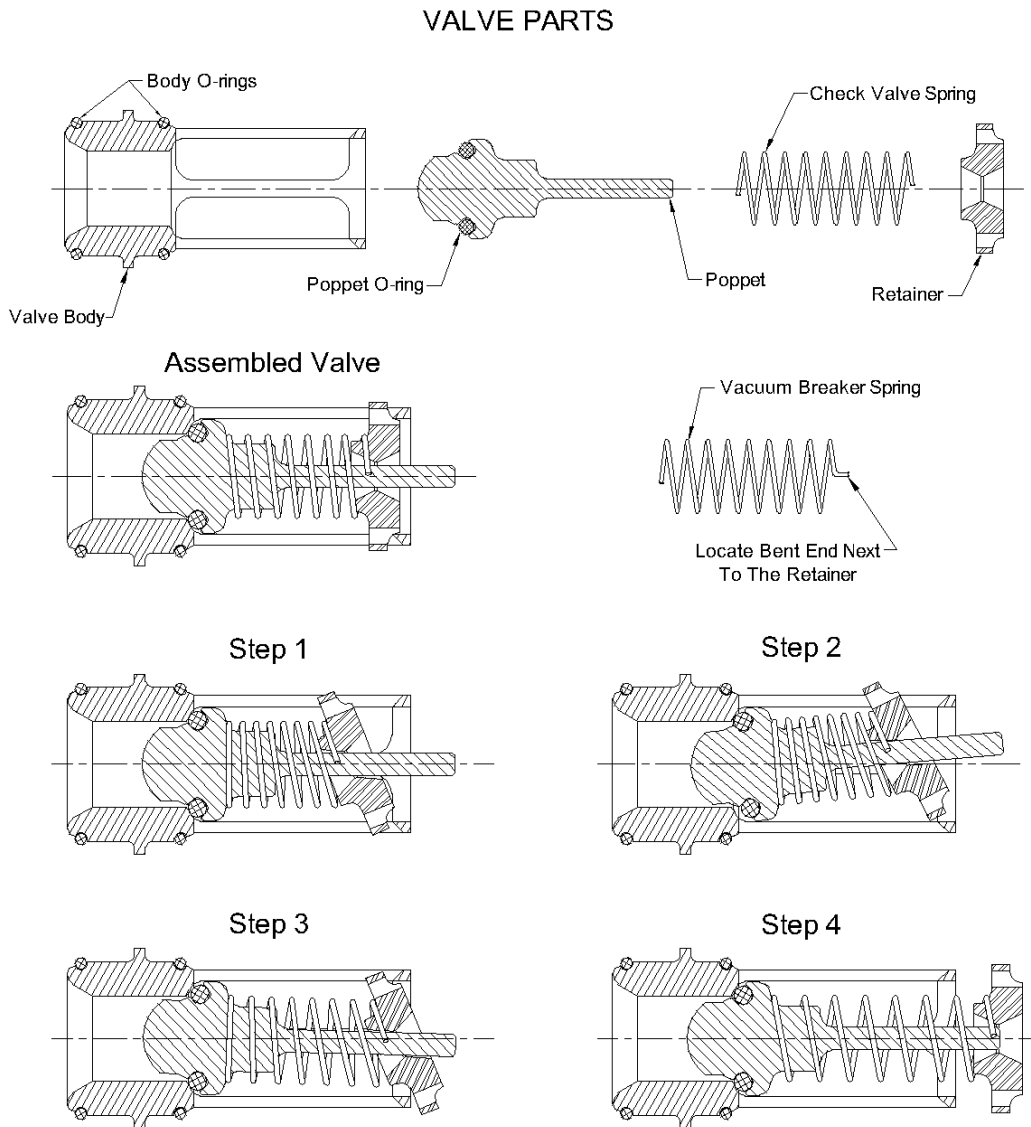
Body Material ^④	Line Size	Non-Shock Pressure-Temperature Rating ^⑤
316/316L Stainless Steel (SS)	1	1000 PSIG @ 100°F
	1-1/2 - 4	725 PSIG @ 100°F

④ See page 50 for material grade information.
 ⑤ Consult the factory for applications where higher pressure or temperature is expected.

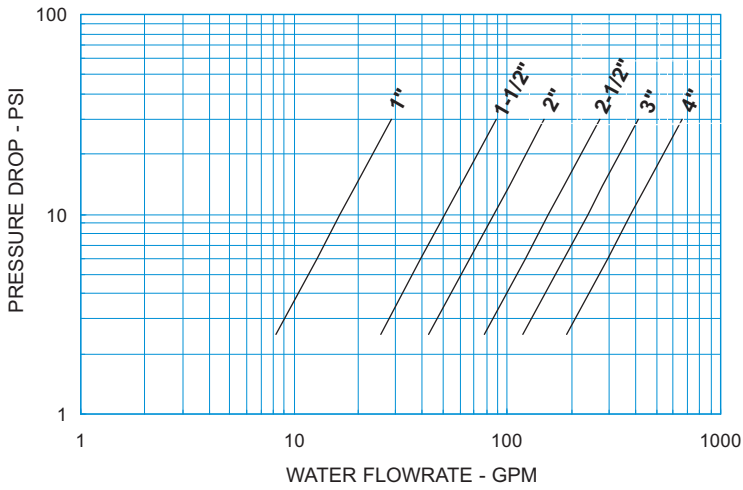
Note: 30 PSI is the maximum recommended pressure drop.

Disassembly For Cleaning Instructions

To disassemble the 3-A Sanitary valve, start by depressing one side of the retainer as shown in Step 1. With one side of the retainer tipped, rotate the stem of the poppet and remove the retainer as shown in Steps 2, 3, and 4. To reassemble the valve reverse the process. Consult the factory for information on trim kits, o-ring kits, or individual spare parts.



3-A Sanitary
For Water at 72°F



STYLE 3SC (3S) C _v VALUES & VALVE WEIGHTS		
C _v	SIZE	316/316L SS
5.2	1	2.3 oz.
16.1	1-1/2	6.2 oz.
27.2	2	13.9 oz.
49.4	2-1/2	1.5 lb.
74.9	3	1.9 lb.
120.0	4	3.9 lb.

See page 46 for Flow Formulae

Note: All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

