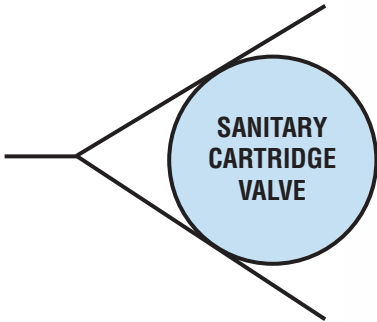




See PED statement below

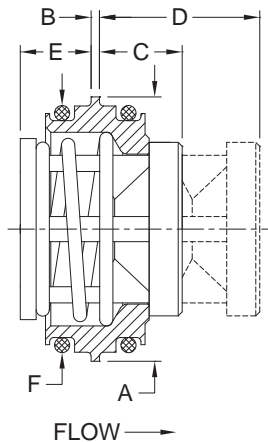


Valve shown in ferrules.  
Ferrules and clamp not included.

The **Sanitary Cartridge (SC)** valve is a stainless steel check valve for use in new or existing sanitary systems. The SCV design seals on the ID of ferrules with replaceable food grade seals (Standard is FDA EPDM). The valve fits the Alfa Laval Inc. Bevel Seat and Tri-Clamp® fittings, the SPX Corporation Q-Line® and S-Line® fittings, and others with ID dimensions equal to the “F” dimensions listed below (ferrules not included). The compact SCV design fits inside a single fitting and requires no additional space in the line. Its size makes it extremely economical when compared to full-bodied valves. **For applications requiring a 3-A compliant valve, see our 3S series on page 18.**

Choose from Check-All’s broad selection of seat materials and cracking pressure springs that allow this series to be used as a check valve, low pressure relief valve, or as a vacuum breaker.

**PED Conformance Statement:** Due to the unique design of the Sanitary Cartridge 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 SCV series is available for sale in the European Community and no CE Mark is required.



Line Size	Size Code	A	B	C <sup>①</sup>	D <sup>②</sup>	E	F <sup>③</sup>	Orifice Diameter
3/4	F	3/4	1/16	0.44	0.78	0.28	0.620	0.348
1	H	1	1/16	0.53	0.89	0.30	0.870	0.464
1-1/2	J	1-1/2	1/16	0.53	1.06	0.63	1.370	0.890
2	K	2	1/16	0.66	1.39	0.66	1.870	1.135
2-1/2	L	2-1/2	1/16	0.69	1.56	0.88	2.370	1.385
3	M	3	1/16	0.75	1.97	1.25	2.870	2.025
4	N	4	1/16	0.88	2.41	1.63	3.834	2.560

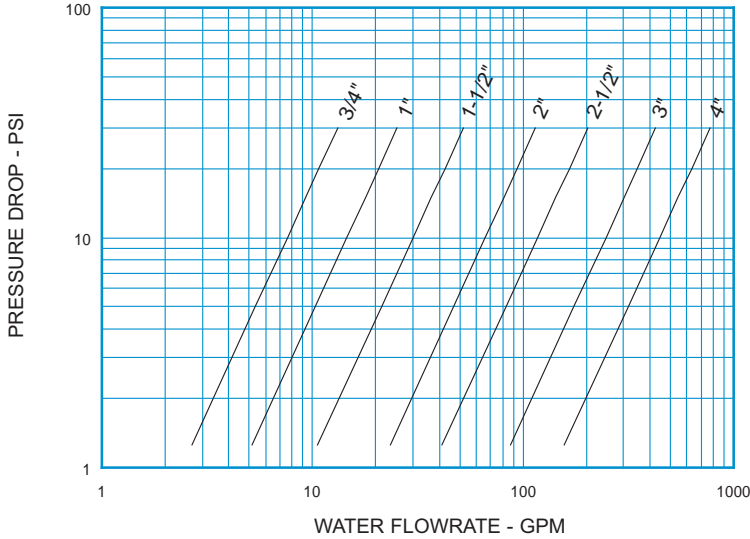
- ① Maximum nominal dimension for valve closed.
- ② Maximum nominal dimension for a fully open valve with no spring.
- ③ Valves are designed to function with fittings having these internal diameters.(±0.005)

Body Material <sup>④</sup>	Line Size	Non-Shock Pressure-Temperature Rating <sup>⑤</sup>
316/316L Stainless Steel (SS)	3/4 - 1-1/2	1000 PSIG @ 100°F
	2 - 4	725 PSIG @ 100°F

④ See page 53 for material grade information.

⑤ Consult the factory for applications where higher pressure or temperature is required.

**Sanitary Cartridge Valve**  
For Water at 72°F

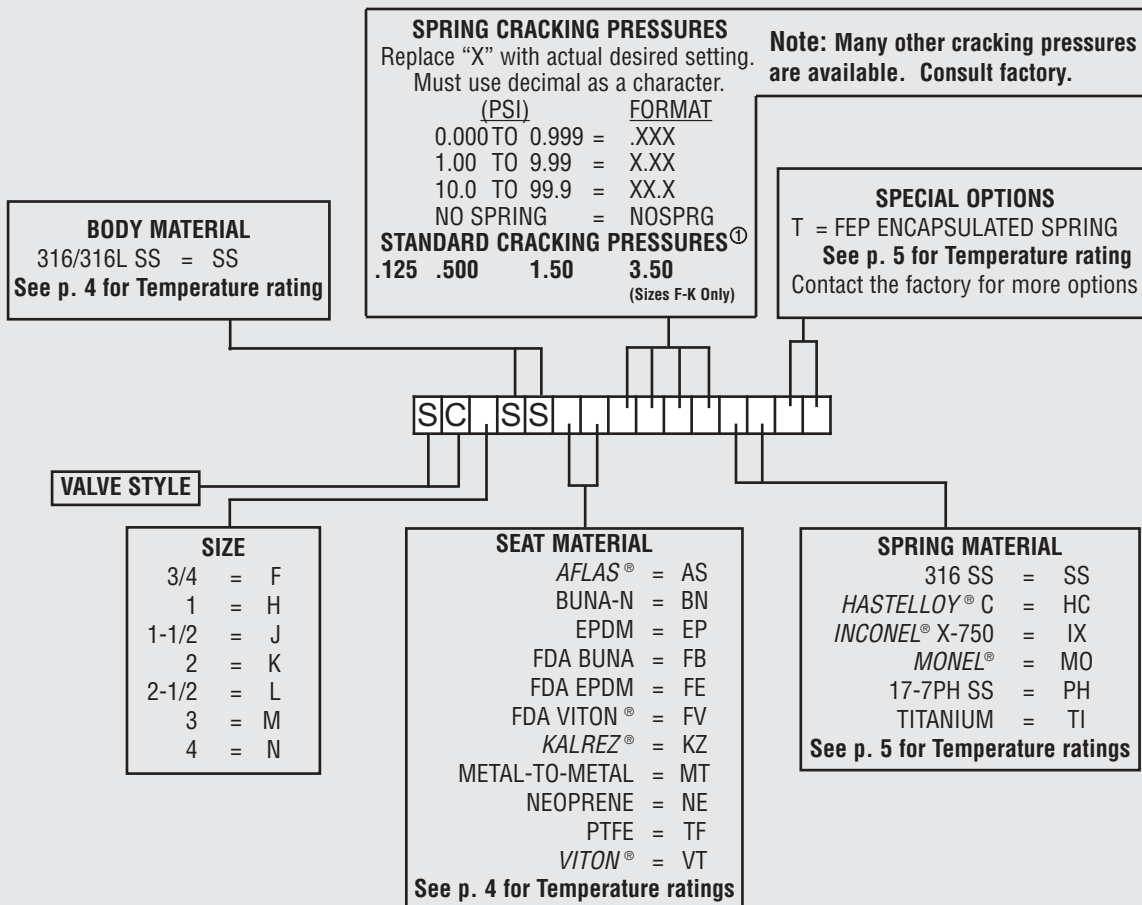


**Note:** All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

STYLE SC (SCV) C <sub>v</sub> VALUES & VALVE WEIGHTS		
C <sub>v</sub>	SIZE	316 SS
2.4	3/4	0.3 oz.
4.6	1	1.0 oz.
9.5	1-1/2	2.9 oz.
20.9	2	6.1 oz.
37.0	2-1/2	11.2 oz.
77.9	3	11.4 oz.
141	4	2.3 lb.

See page 48 for Flow Formulae  
Valve weights are approximate.

**HOW TO ORDER  
CHECK-ALL STYLE SC (SCV)**



Listed above are the most common material selections. Please contact the factory for additional options.

① .500 PSI is the only standard cracking pressure for spring materials other than Stainless Steel. Cracking pressure tolerance is +/- 15%.