



- Eliminates Reverse Flow
- Replaceable Pallet/Seat
- Minimum Pressure Drop
- Sizes 2" Through 12"
- Flanged or Threaded Connections

The Shand & Jurs Model 97220 Back Pressure Check Valve

The S&J 97220 Back Pressure Check Valve uses a free swinging "pendulum" pallet design to provide maximum flow rates with a minimum pressure drop in low pressure gas control lines.

Installing the 97220 downstream of meters, regulators, or other gas control devices protects these devices from possible damage due to accidental reversal of the gas flow. A removable cover provides easy access to the pallet and seat which are both entirely removable from the body. The 97220 is made from lightweight aluminum components providing for easy installation.

The 97220 matches most common manufactures' flange-to-flange dimensions which simplifies replacement of existing valves.

Its aluminum and stainless steel components withstand the severest of process environments. The S&J 97220 is especially designed for hydrogen sulfide and hot, wet methane which are the main components of digester gas streams in municipal waste water treatment facilities.

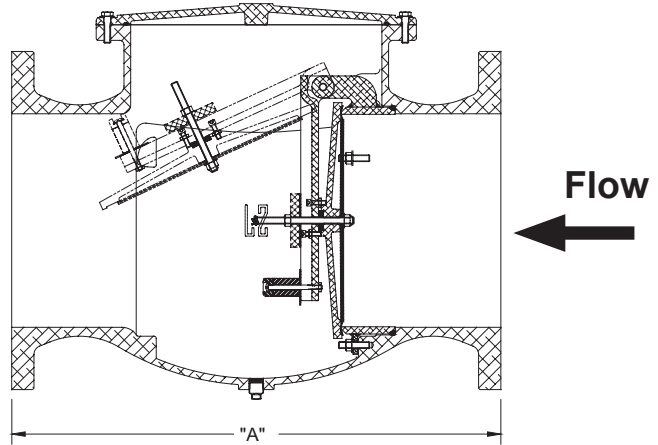
The 97220 is 100% U.S. made.

Applications

- Anaerobic digester gas train**
- Fermentation off gas piping systems**
- Low pressure vent lines**

DIMENSIONS

Line Diameter	A	
	Flange	NPT
2"	8"	6 3/4"
3"	9 3/8"	7 3/4"
4"	12"	10"
6"	14"	14 1/4"
8"	16"	--
10"	22"	--
12"	27 1/2"	--



AIR FLOW CAPACITY IN STANDARD CUBIC FEET PER HOUR x 1000 @ 60° F

Pressure Inches W.C.	Line Diameter						
	2"	3"	4"	6"	8"	10"	12"
0.25	0.66	1	1.5	3.4	6	8.5	12
0.5	1.3	2.4	4.3	7.7	14	20	28
0.75	2.1	4.3	8.8	14	25	36	52
1.0	2.8	6	12	23	40	58	84
1.5	4.1	8.5	16	34	58	86	124
2.0	5	10	20	39	72	106	155
3.0	6.2	13	24	48	91	132	190
4.0	7.4	15	29	57	109	157	226
5.0	8.5	17	33	66	125	180	259
6.0	9.4	19	36	72	138	198	286
8.0	11	22	42	84	161	232	334
10.0	12	25	47	95	180	260	374

HOW TO ORDER

97220 - AB - C

Line Size _____ Connection _____

<p>(AB) Line Size</p> <p>02 = 2" 08 = 8"</p> <p>03 = 3" 10 = 10"</p> <p>04 = 4" 12 = 12"</p> <p>06 = 6"</p>	<p>(C) Connection</p> <p>1 = Flanged</p> <p>2 = NPT</p>
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Design subject to change without notice