

Mueller Steam Specialty

Models: 91AP, 91AT, 91BP, 92AP, 92BP, 93AP, 93BP

Cast Iron or Bronze Compact Wafer Silent Check Valve

91AP, 92AP, 93AP	WORKING PRESSURES - NON-SHOCK	
	Steam	WOG
Not Recommended	150 PSI @ 150°F (10 bar @ 66°C)	

91AT	WORKING PRESSURES - NON-SHOCK	
	Steam	WOG
Not Recommended	150 PSI @ 150°F (10 bar @ 66°C)	

* Max. temp. can be limited by seat material. Consult factory.
100% Hydrostatically Tested.



SERVICE RECOMMENDATIONS

These valves are designed for liquid or gas service and offer many obvious advantages when compared with conventional swing check valves.

FEATURES

The spring automatically closes the disc at zero flow, before flow reversal, preventing surge and water hammer. The mating surfaces of the seat and disc are hand lapped. The disc is fully guided at the top and bottom to prevent binding and cocking. Parts can be replaced in the field - no special tools required. Discs for all sizes open with less than 1/2 pound per square inch pressure.

INSTALLATION

Equally effective installed vertically, horizontally or at any angle. Consult factory for vertical flow downward. We strongly suggest the installation of a strainer in the piping, located before the pump. This inexpensive measure will ensure protection for both the pump and valve.

CONSTRUCTION

Bodies are cast from Grade B iron in accordance with ASTM A126 or Bronze ASTM B62. Bronze parts in accordance with ASTM B62 and springs are stainless steel, ASTM A276 type 302. The model 91AT uses stainless steel trim.

ORDERING INFORMATION

We require all the pertinent information relating to the operating conditions for which the valves are intended: operating pressure, temperature, flow rates and/or velocity and the type of pump used in the installation. If corrosive fluids are involved, we should be advised. For certain applications, such as pump suction and volatile liquid handling, our valves require springs heavier or lighter than those furnished as standard. In the absence of complete information, we reserve the right to furnish standard springs.

CAUTION

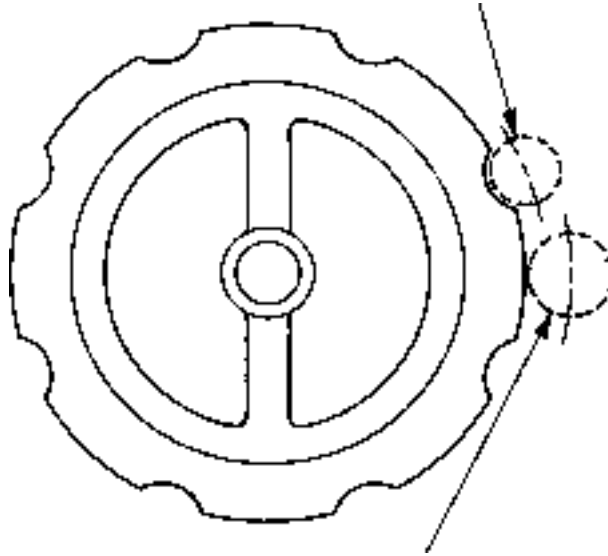
Not suggested for installations in sewage ejector piping nor are they recommended for use with reciprocating compressors or pumps.

PRESSURE DROP See page H-6 for pressure drop charts.

MATERIALS:	Body	Cast Iron ASTM A126 Grade B Bronze ASTM B62
	Trim	Bronze ASTM B62 (type 85-5-5-5)/316 Stainless Steel
	Spring	Stainless Steel

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Dimensions and Weights



SIZE		1-1/2	2	2-1/2	3	4	5	6	8	10	12
in mm		40	50	65	80	100	125	150	200	250	300
FACE TO FACE		2-3/8	2-5/8	2-7/8	3-1/8	4	4-5/8	5-9/16	6-1/2	8-1/4	11-1/4
in											
mm		60.3	66.7	73.0	79.4	101.6	117.5	141.3	165.1	209.6	285.8
BOLTING	91AP/AT	4-3/8X5-1/4	4-5/8X5-3/4	4-5/8X6	4-5/8X6-1/2	8-5/8X7-3/4	8-3/4X8-1/2	8-3/4X9-1/2			
	92AP								8-3/4X10-3/4	12-7/8X13	24-7/8X4
	93AP								12-7/8X12-1/4	16-1X14-3/4	
WEIGHT											
91AP/AT	lb	4	5.25	8	10	17	27	39			
	kg	.55	2.38	3.63	4.5	7.7	12.2	17.7			
92AP	lb								86	159	337
	kg								39	72.2	153
93AP	lb								98	170	
	kg								44.5	77.2	

Approximate Dimensions and Weights. Apply For Certified Drawings.

Models 91BP, 92BP and 93BP - available upon request. Consult factory for weights and dimensions.