

Swing Check Valve

Model 78 & 78A



Sizes 2-1/2" thru 14" / 65mm thru 350mm

Flomatic Corporation



Written Specifications:

Checks valves shall be of swing type and shall have a heavy iron body (epoxy coated) w/ cast flange ends (ANSI B16.1). The flapper shall be made of rubber with external iron ring reinforcement, for nonshock working pressure 175 psi 2-1/2" thru 12" and 150 psi 14" and hydrostatically tested at 350 psi.

The flapper assembly is seated under the cover in a way to allow it to flex from closed to full open position during flow through the valve. Valve shall be a full port design with an unobstructed flow pattern. When the valve is wide open the flapper shall bear against a stop. The stop will be located so that impact applied by the flow will not twist or bend flapper.

The valve shall be so constructed that by simply unbolting and lifting off the cover, the internal working parts may be easily removed and replaced without removing the valve from the line.

The valve shall permit flow in one direction only; be tight seating when the outlet pressure exceeds the inlet pressure and be suitable for mounting horizontally. The valve shall have a net flow area not less than the area of a circle with a diameter of the nominal pipe size.

The angled body valve shall be constructed with the same flange to flange dimensions replacing a standard 90° elbow. The valve can be installed in either an upflow or downflow direction. The valve must be installed in a vertical configuration to allow the flapper to open and close freely.

The valve shall be equal in all respects to the Model 78 or 78A Flo-Flex® as manufactured by Flomatic Corporation. All part shall conform to required dimensions and shall be free of defects that would prevent the valve from functioning properly.

Swing Check Valve Ordering Information

Quantity:

Size: 2-1/2" thru 14" / 65mm thru 350mm

Type: 78 or 78A

Connection Type: Flange 125#

Flapper: Rubber

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Swing Check Valves

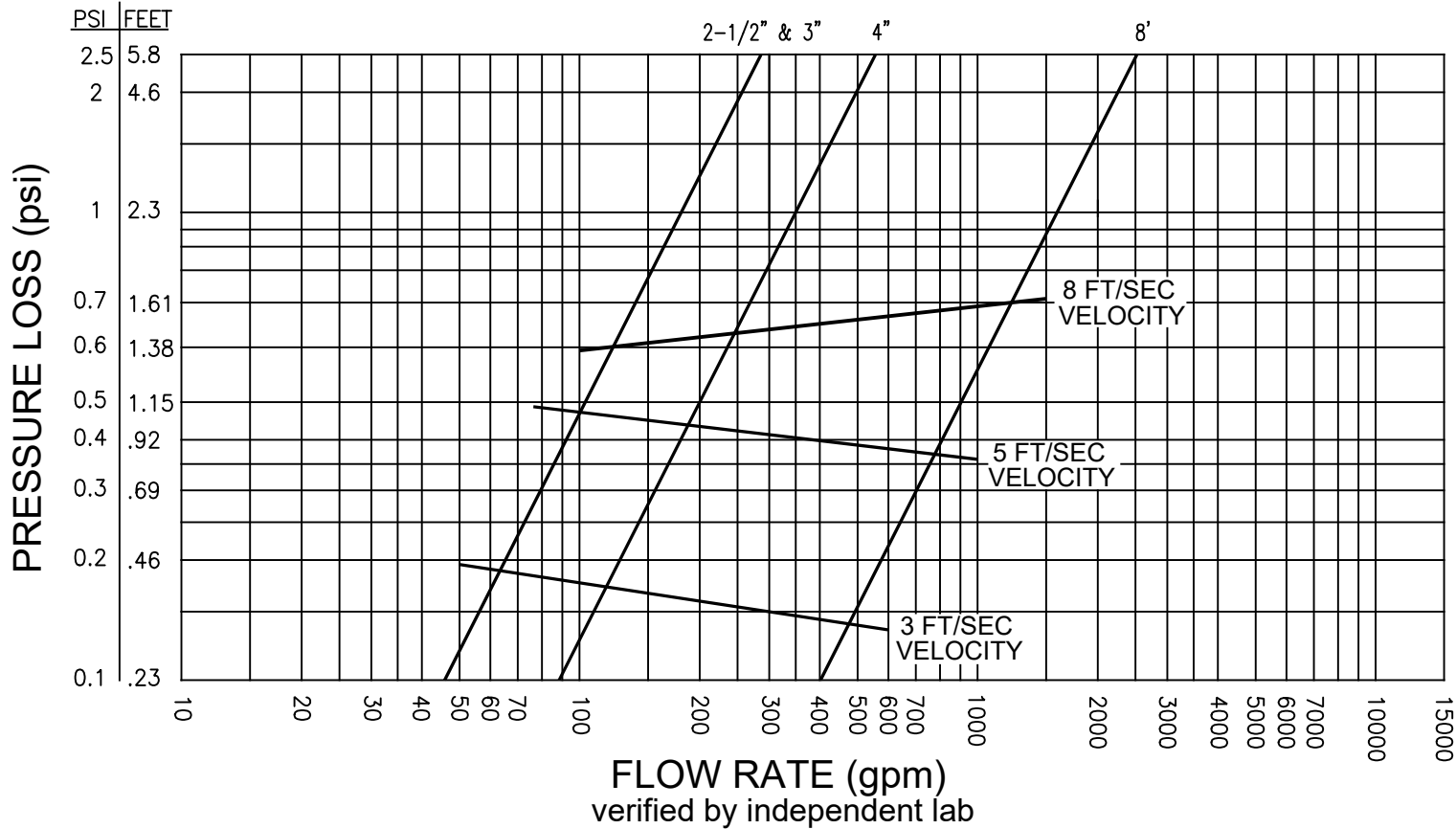
Headloss Chart

Model 78



Sizes 2-1/2" thru 8" / 65mm & 200mm

Headloss charts are not to be used for valve sizing



Size	2-1/2"	3"	4"	8"
Cv	168	168	350	1272

Note: For longer service life & higher efficiencies it is recommended that flow velocities be between 3 to 5 feet/second

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Swing Check Valves

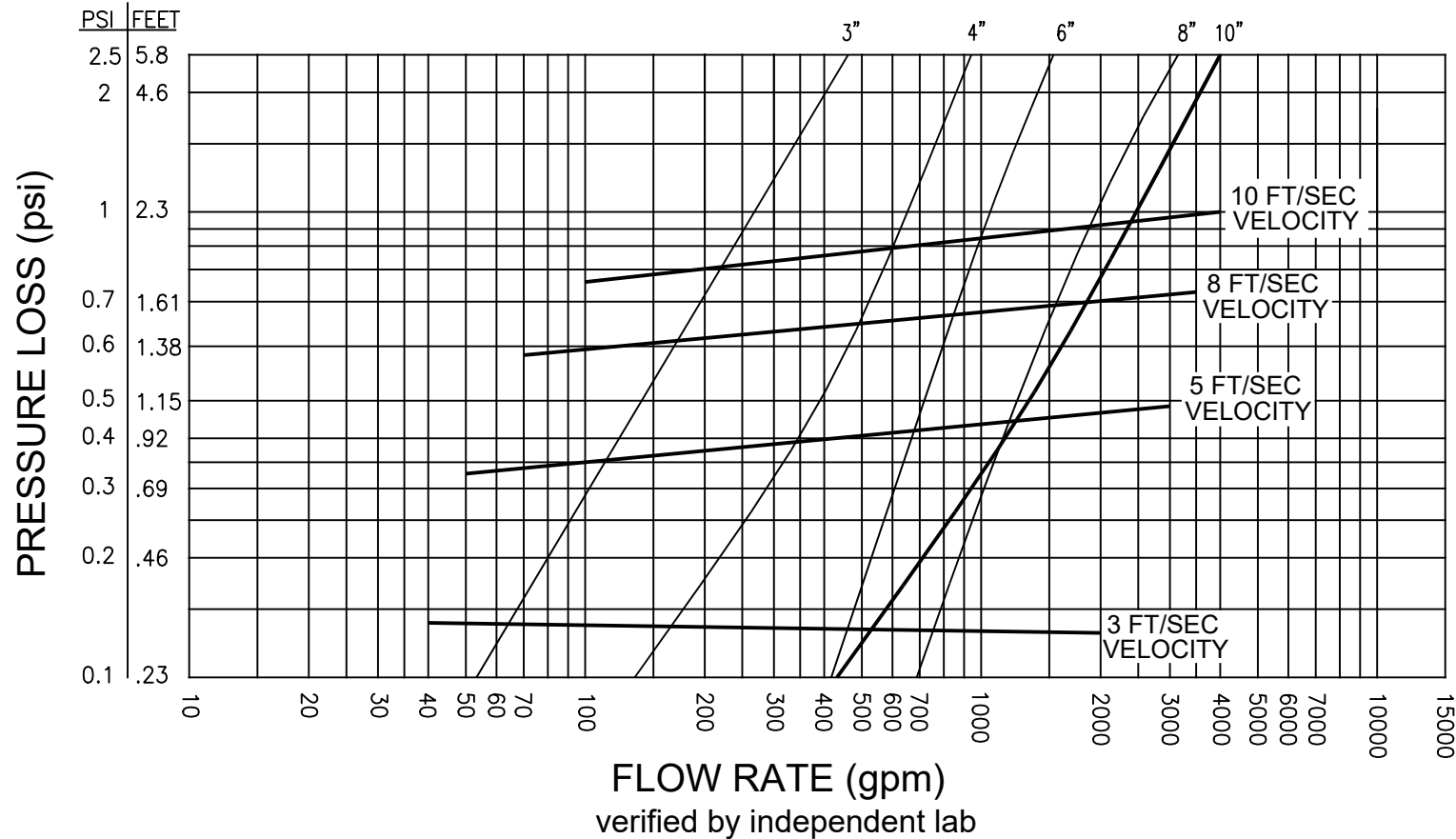
Headloss Chart

Model 78A



Sizes 3" thru 10" / 75mm & 250mm

Headloss charts are not to be used for valve sizing



Size	3"	4"	6"	8"	10"
Cv	282	598	1053	1908	2469

Note: For longer service life & higher efficiencies it is recommended that flow velocities be between 3 to 5 feet/second

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