



K-060 HF

K-062 HF

K-064 HF



Air & Vacuum Air Valve For High Flow

Description

The Air & Vacuum Valve K-060HF discharges air during the filling or charging of the system, and admits air to the system during system drainage.

Operation

The K-060HF discharges air at high flow rates during the filling of the system and admits air into the system at high flow rates during its drainage.

High velocity air, or even air mixed with a mist of water spray, cannot blow the float shut. Water entry will cause the sealing of the valve.

At any time during system operation, should internal pressure of the system fall below atmospheric pressure, air will re-enter the system.

The smooth release of air prevents pressure surges and other destructive phenomena.

Admitting air in response to negative pressure, protects the system from destructive vacuum conditions and prevents damage caused by water column separation. Air re-entry is essential to efficiently drain the system.

As the system starts to fill, the valve functions according to the following stages:

1. Entrapped air is released by the valve.
2. The liquid enters the valve lifting the float and sealing.

When internal pressure falls below atmospheric pressure (negative pressure):

1. The float will immediately drop away from the orifice.
2. Air is admitted to the system.

Main Features

- Working pressure range: K-060 HF 3-285 psi., K-062 HF 3-360 psi., K-064 HF 3-580 psi.
- Testing pressure for the air valve is 1.5 times its working pressure.
- Working Temperature: 140^o f
- Maximum working temperature for short time period: 194^o f.
- Metal body, with high resistance against surge effects in the system.
- While the stainless steel seat bears the brunt of the pressure, the rubber nozzle seal provides for the sealing of the valve. This assures long-term maintenance free operation.
- 250 micron inside & out NSF 61 approved coating epoxy.

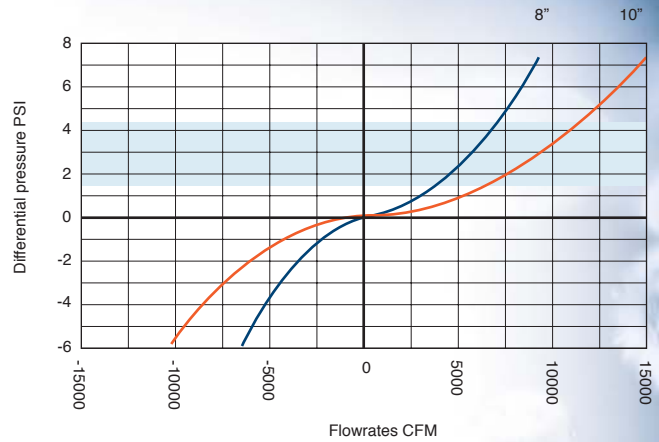
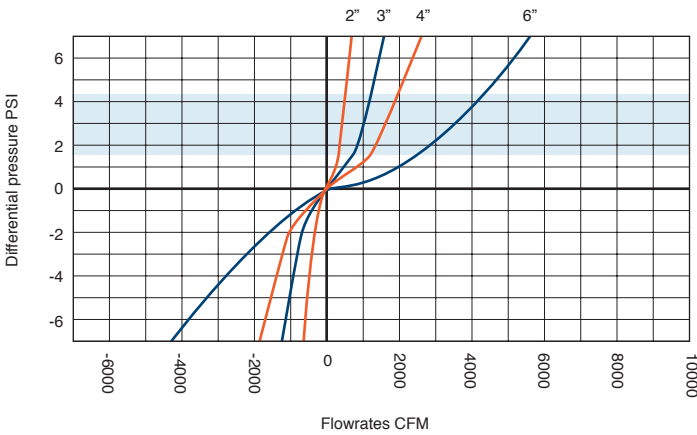
Option

Cover and screen can be removed for attaching ventilation pipe-to-surface. For instructions, please refer to the D-060-C HF page.

Valve Selection

- Available in 2" 3" 4" 6" 8" and 10".
- Available as NS -NON SLAM.
- The K-060 HF air & vacuum air valve is available as a combined air valve which includes an Automatic Air Release valve.
- These valves are manufactured with flanged ends to meet any requested standard. The 2" valve is also available with NPT male threads.

AIR & VACUUM FLOWRATE recommended range



DIMENSIONS AND WEIGHTS

Nominal size	Dimensions		Weight Lbs.	Orifice Area Sq.in
	A	B		
2" Threaded	7.3	9.1	20.7	3.038
2" Flanged	7.3	8.6	22.7	3.038
3"	8.6	11.2	39.2	7.796
4"	10.6	13.5	58.2	12.167
6"	14.8	21.8	169.3	27.376
8"	18.3	25.3	256.1	48.670
10"	23.0	36.6	580.0	76.08

PARTS LIST AND SPECIFICATION

No.	Part	Material
1.	Nut	NSF 61 Certified STST UNS 30400
2.	Bolt	NSF 61 Certified STST UNS 30400
3.	Screen Cover	Cast Iron ASTM A48 CL.35B / Resicoat RT R4
4.	Plug	NSF 61 Certified STST UNS 30400
5.	Screen	NSF 61 Certified STST UNS 30400
6.	Cover 285 psi	Cast Iron ASTM A48 CL.35B / Resicoat RT R4
	360 psi, 580 psi	Ductile Iron ASTM A-536 60-40-18 / Resicoat RT R4
7.	Nozzle Seat	NSF 61 Certified STST UNS 30400
8.	Nozzle Seal	NSF 61 Certified E.P.D.M
9.	O - Ring	NSF 61 Certified NBR 70
10.	Bolt & Nut	NSF 61 Certified STST UNS 30400
11.	Float	NSF 61 Certified STST UNS 31600 / Polycarbonate
12.	Body 285 psi	Cast Iron ASTM A48 CL.35B / Resicoat RT R4
	360 psi, 580 psi	Ductile Iron ASTM A-536 60-40-18 / Resicoat RT R4
13.	Plug	NSF 61 Certified Reinforced Nylon

