

# K-060 VB PN 16

# K-062 VB PN 25



## Spring-Loaded Vacuum Breaker

### Description

The K-060 VB is a normally closed full bore vacuum breaker which is designed to open fully to allow the intake of air into the pipeline or system when vacuum conditions occur, thus protecting the pipeline.

Negative pressure (vacuum) conditions are caused by sudden shutoff of the pumps, pipe ruptures or the rapid draining of the pipeline.

The K-060 VB can be installed both on potable water lines and on wastewater lines.

### Applications

- Pump stations.
- Water and wastewater transmission lines (at the points where it is determined that vacuum or water column separation will occur)

### Main Features

- Sealing at low pressure: 0.01 bar
- Opening pressure: -0.01bar
- Maximum Working Pressure: K-060 VB – 16 bar  
K-062 VB – 25 bar
- Testing Pressure: K-060 VB – 25 bar  
K-062 VB – 40 bar
- The K-060 VB series is available on both potable water and wastewater applications
- All internal parts made from non-corrosive materials
- Special orifice design, a combination of stainless steel and elastomer, assures long term maintenance-free operation
- The K-060 VB is designed in compliance with the AWWA C512 and the European standard EN 1704-4

### Valve Selection

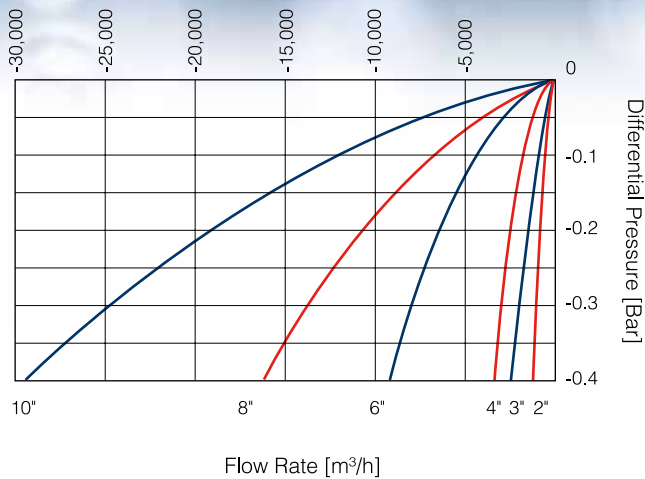
- Size Range: 2" – 10"
- Valve coating: fusion bonded epoxy in compliance with DIN 30677-2
- The K-060 VB is also available in stainless steel and duplex
- The K-060 VB Vacuum Breaker has the option of adding an air valve to the vacuum breaker valve. The type and size of the air valve will be dependent on the application (water or wastewater) and size required.

### Note

For best suitability, it is recommended to send the fluid chemical properties along with the valve request.

Upon ordering, please specify: model, size, working pressure, thread and flange standard and type of liquid.

## AIR INTAKE



## DIMENSIONS AND WEIGHTS

Nominal Size	Dimensions mm		Weight Kg.	Orifice Area mm <sup>2</sup>
	A	B		
2" (50mm)	185	278	10.5	1960
3" (80mm)	219	365	17	5030
4" (100mm)	262	423	26	7850
6" (150mm)	375	594	66	17662
8" (200mm)	463	701	122	31400
10" (250mm)	586	852	247	49087

## PARTS LIST AND SPECIFICATION 2" - 10"

No.	Part	Material
1.	Domed Nut & Washer	Stainless Steel SAE 316
2.	Screen Cover	2"-6" Polypropylene 8"-10" Polyethylene
3.	Threaded Rod	Stainless Steel SAE 316
4.	Lifting Ring	Stainless Steel SAE 316
5.	Screen	Stainless Steel SAE 316
6.	Spring	Stainless Steel 316
7.	Bridge	Stainless Steel 316
8.	Bolt, Nut & Washer	Stainless Steel SAE 316
9.	Cover	Cast Ductile Iron
10.	Orifice Seat	Bronze
11.	Orifice Seal	EPDM / Viton / BUNA-N
12.	Sealing Dome	Stainless Steel SAE 316
13.	O-Ring	EPDM / Viton / BUNA-N
14.	Body	Cast Ductile Iron

**Optional Coating:** (internal / external) Electroless Nickel + Epoxy

