In-Line Breather Valve



The In-Line Breather Valve maintains a sealed state. When the system pressure or vacuum exceeds the valve setting value, the valve core is lifted, the sealing state between the valve seat and the valve core is broken, and the pressure or vacuum accumulation is released. Once the release is completed, the valve remains sealed again.
Installation location: Connect the storage tank and the recycling pipeline separately by flanges.

Features

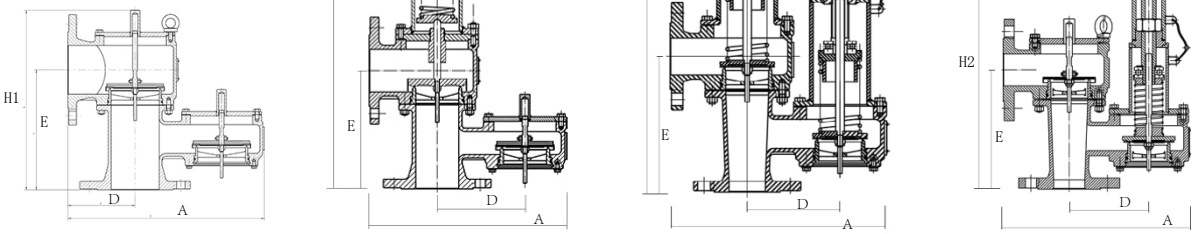
- Dual guide rail system, smooth stroke and less wear
- Leakage is much less than API2000 standard and maintains high setting accuracy(±3%)
- Full start at 10% overpressure
- Valve core and valve seat assembly can be replaced on site
- Support ANSI, DIN and HG/T20592~20635~2009 flanges

Setting Range

Model	Size	Pressure	Vacuum	Temp.
HXF 10	1.5″(DN40)~12"(DN300)	0.2~6.9KPa(2~69mbar)	0.2~4.3KPa(2~43mbar)	-45~260℃
HXF 20	1.5″(DN40)~12"(DN300)	6.9~100KPa(69~1000mbar)	0.2~4.3KPa(2~43mbar)	
HXF 30	1.5″(DN40)~12"(DN300)	6.9~100KPa(69~1000mbar)	4.3~4.8KPa(43~48mbar)	
HXF 40	1.5″(DN40)~12"(DN300)	0.2~6.9KPa(2~69mbar)	4.3~4.8KPa(43~48mbar)	

Materials

Body	Seat/Disc	Plug Seal	Fastener	Counterweight	Gasket
Aluminum Stainless steel Carbon steel	Stainless steel Aluminum	FEP Teflon Buna-N	Galvanized carbon steel Stainless steel	Galvanized carbon steel Stainless steel Aluminum Resin coated stainless steel	Buna-N Teflon Viton Buna



Key Parameter List

Model	Inlet Connection In(mm)	Outlet Connection mm	A Total Length mm	E Center Height mm	H1 Total Height mm	H2 Total Height mm	D Center Length mm
HXF00	2(50)	50	307	195	277	Variable Value	110
	3(80)	80	357	217	321		127
	4(100)	100	417	256	380		146
	6(150)	150	524	346	506		176
	8(200)	200	649	397	605		207
	10(250)	250	747	452	699		232
	12(300)	300	948	523	812		288

**Unit weight, indicating the net weight (in kilograms) of the valve at the standard set pressure (2mba pressure -2mbar vacuum), excluding the weight of the transport box. The total shipping weight needs to be increased by 20% (domestic only). Parameter content is for reference only, more requirements please contact us.*