

B10XX-...Flange Exhaust Valve



**Exhaust Valve
B10XX-...Series
Flanged Connection
PN10, PN16, PN25**

Performance & Features:

When water starts to be filled into the pipeline, the plunger remains open to allow large-scale air exhaust. Once air is discharged, the valve is filled with water, the float rises, and drives the plunger to close position, stopping mass air release. During normal water flow, if a small amount of air accumulates inside the valve to a certain level, the water level inside the valve drops and the float descends accordingly. At this point, air is discharged through the small orifice.

- ◆ Nominal diameter: DN15...DN200;
- ◆ Large-scale air exhausts during water filling of an empty system.

Applications:

This series of exhaust valves is typically installed on pipelines conveying media in projects including buildings, apartments, office buildings, complexes, data centers and factories, such as water supply and drainage, cold and hot water, water treatment, as well as primary and secondary hot water supply pipelines. They effectively eliminate air resistance and air blockage in the system, protect end-use equipment and improve operating efficiency.

Model Designation:

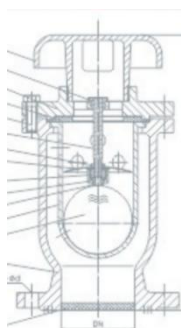
For example: B1063-100-10P

1. "B10": Exhaust Valve;
2. "5": Single Orifice Exhaust Valve; "6": Double Orifice Exhaust Valve; "7": Compound Exhaust Valve; "8": Vacuum Breaker; "9": Spiral Exhaust Valve;
3. "1": Flanged connection; "3": Threaded connection;
4. "-100": Nominal Diameter DN100;
5. "-" separator;
6. "16/10" Nominal Pressure, PN16/PN10;
7. "P": Stainless Steel, "T": Brass; "Q": Ductile Iron; "B": Bronze;

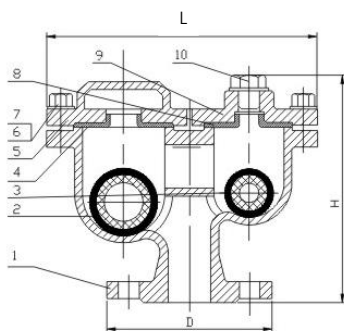
Technical Designation:

PN (Nominal Pressure)	PN10, PN16, PN25
Connection Standard	Threaded connection ISO228/1 (或EN10226) Flanged connection EN1092-2
Working Temperature	-15°C-130°C (For other temperatures, please consult ZIGTOO representatives for details)
Body	Ductile Iron
Seal	EPDM
Stem, Filter Screen	Stainless steel

Dimension Chart



Model	DN	G	D	H
B1051-50-16Q	DN50	2"	165	330
B1051-65-16Q	DN65	2-½"	165	330
B1051-80-16Q	DN80	3"	200	365
B1051-100-16Q	DN100	4"	220	375
B1051-125-16Q	DN125	5"	220	375
B1051-150-16Q	DN150	6"	285	465
B1051-200-16Q	DN200	8"	340	495



Model	DN	G	L	H	D
B1061-50-16Q	DN50	2"	250	210	165
B1061-65-16Q	DN65	2-½"	325	210	165
B1061-80-16Q	DN80	3"	325	250	200
B1061-100-16Q	DN100	4"	325	275	220
B1061-125-16Q	DN125	5"	325	275	220
B1061-150-16Q	DN150	6"	325	275	285
B1061-200-16Q	DN200	8"	615	470	340

Operating Conditions

The exhaust valves shall be installed at the highest point of the system, enabling efficient, continuous and reliable discharge of free gas in the system to prevent air resistance.