

# PVB10

## VACUUM BREAKER



### DESCRIPTION:

Vacuum breaker in complete stainless steel construction. It is best suited on steam inlets to heat exchangers, jacketed kettles, liquid process lines, chilled water lines, boiler feed water lines and air coils, to admit air whenever vacuum condition is developed in the system.

### FEATURES:

Works like a check valve and allows air to enter the steam or liquid system, however, steam or liquid escape is shut off. PVB10 is designed to allow air into condensing steam or liquid systems where creation of a vacuum would inhibit liquid drainage and decrease system performance and efficiency.

**SIZES:** System connection: DN15

Air inlet connection: DN8, 10, 15

**CONNECTIONS:** Screwed (NPT/BSPT/BSP)

### LIMITING CONDITIONS:

PMA: Max. allowable pressure	21 bar(g)
TMA: Max. allowable temp.	450 °C
Minimum vacuum required for opening	0.005 bar(g) (50 mm of H <sub>2</sub> O)
Cold hydro test pressure	32 bar(g)

### INSTALLATION:

The vacuum breaker should be installed in a vertical position with the cap at top and should be placed at the highest point in the system. An isolation valve should be fitted prior to vacuum breaker to facilitate servicing.

### MAINTENANCE:

After the vacuum breaker is isolated from the system, unscrew the top cap & examine for any wear/tear & debris on ball or seat and valve which could cause breakage of system pressure. Clean and refit. With the exception of possible cleaning, this device is maintenance-free. Vacuum breakers are not repairable on-line.

### AVAILABLE SPARES:

No spares available.

### HOW TO ORDER:

PVB-10 DN15 DN8 BSP

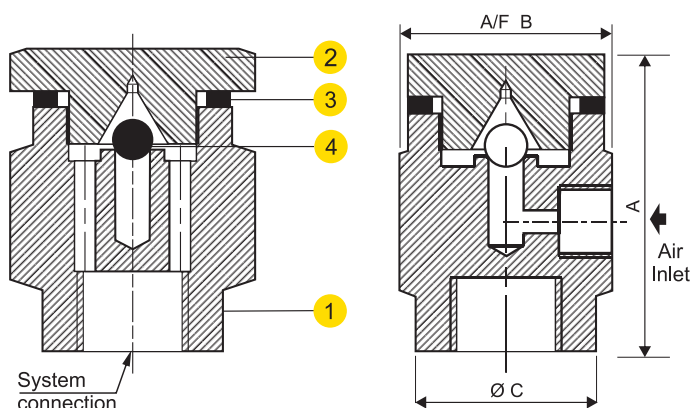
### MATERIAL:

No.	PART	MATERIAL	QTY. (Nos.)
1.	BODY	AISI 304	1
2.	CAP	AISI 304	1
3.	GASKET	COPPER	1
4.	BALL	AISI 304	1

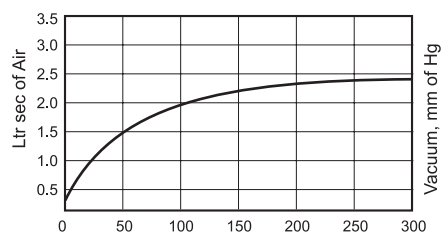
### DIMENSIONS:

Nominal in mm

SIZE	A	B	C	Wt.
DN15 x DN8	58	37	32	0.375 kg
DN15 x DN10	63	37	32	0.400 kg
DN15 x DN15	70	49	32	0.550 kg



### AIR HANDLING CAPACITIES



### ORDERING INFORMATION:

- 1) Inlet Pressure in bar(g)
- 2) Size & Model
- 3) End Connections