

Valves and accessories

Model 58873 Air release valve - BSP threaded 316 stainless steel



Specifications

Dimensions: DN15 (1/2")

Connection: BSP female threading in accordance with ISO 7/1

Operating pressure: 14 bar

Temperature: -10°C to +200°C

Material: Stainless Steel

Bottom connection 3/4"

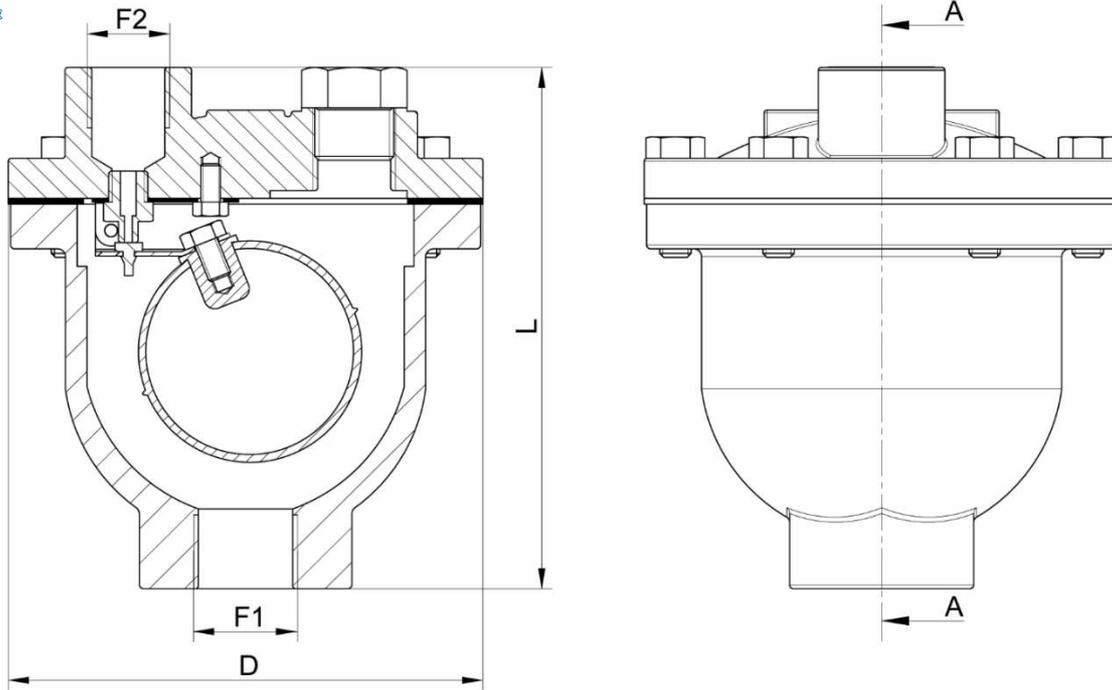
Vent connection 1/2"

Gaskets: FPM and Graphite



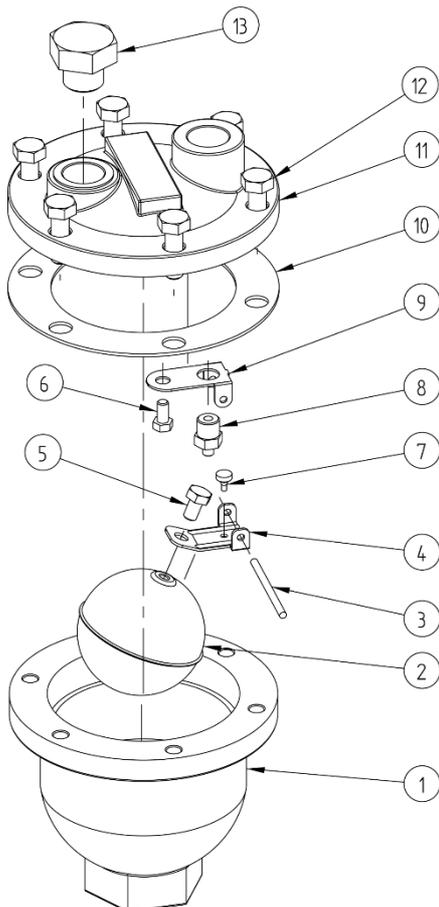
Béné Inox – 11 chemin de la Pierre Blanche – 69800 SAINT PRIEST – S.A.S with 240 000 € share capital – SIREN N° 311 810 287
Tel. N°: +33 (0)4 78 90 48 22 – Fax N°: +33 (0)4 78 90 69 59 – www.bene-inox.com – bene@bene-inox.com

Technical information, illustrations and photographs are provided for information only, they are not contractual. Some may vary according to the tolerances accepted in the profession and the applicable standards. All instructions for use, disassembly and maintenance are recommendations only. These could also vary depending on product usage conditions, its installation environment and purchaser requirements – of which the purchaser alone is responsible for their definition.



A-A Cross Section

DN (mm)	NB (inches)	D (mm)	F1 (inches)	F2 (inches)	L (mm)	Weight (kg)	BSP part number
15	1/2"	120	3/4"	1/2"	144	1.60	458873-2015

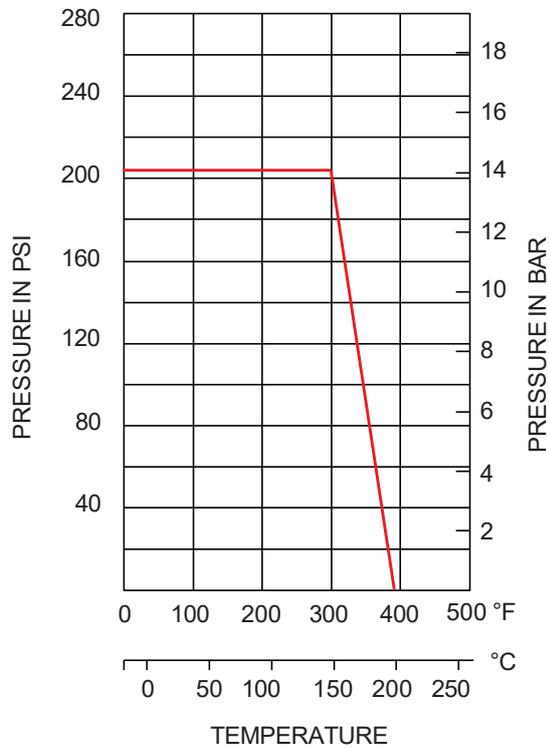


N°	Part Name	Material
1	BODY	CF8M
2	FLOATER	SS316
3	SHAFT	SS304
4	FLOAT LEVER	SS304
5	BOLT (FLOATER)	SS304
6	BOLT	SS304
7	AIR VALVE GASKET	FPM
8	AIR VALVE	SS304
9	MOUNTING BRACKET	SS304
10	BODY GASKET	GRAPHITE
11	CAP	CF8M
12	CLAMPING BOLTS	SS304
13	PLUG	SS304

Use

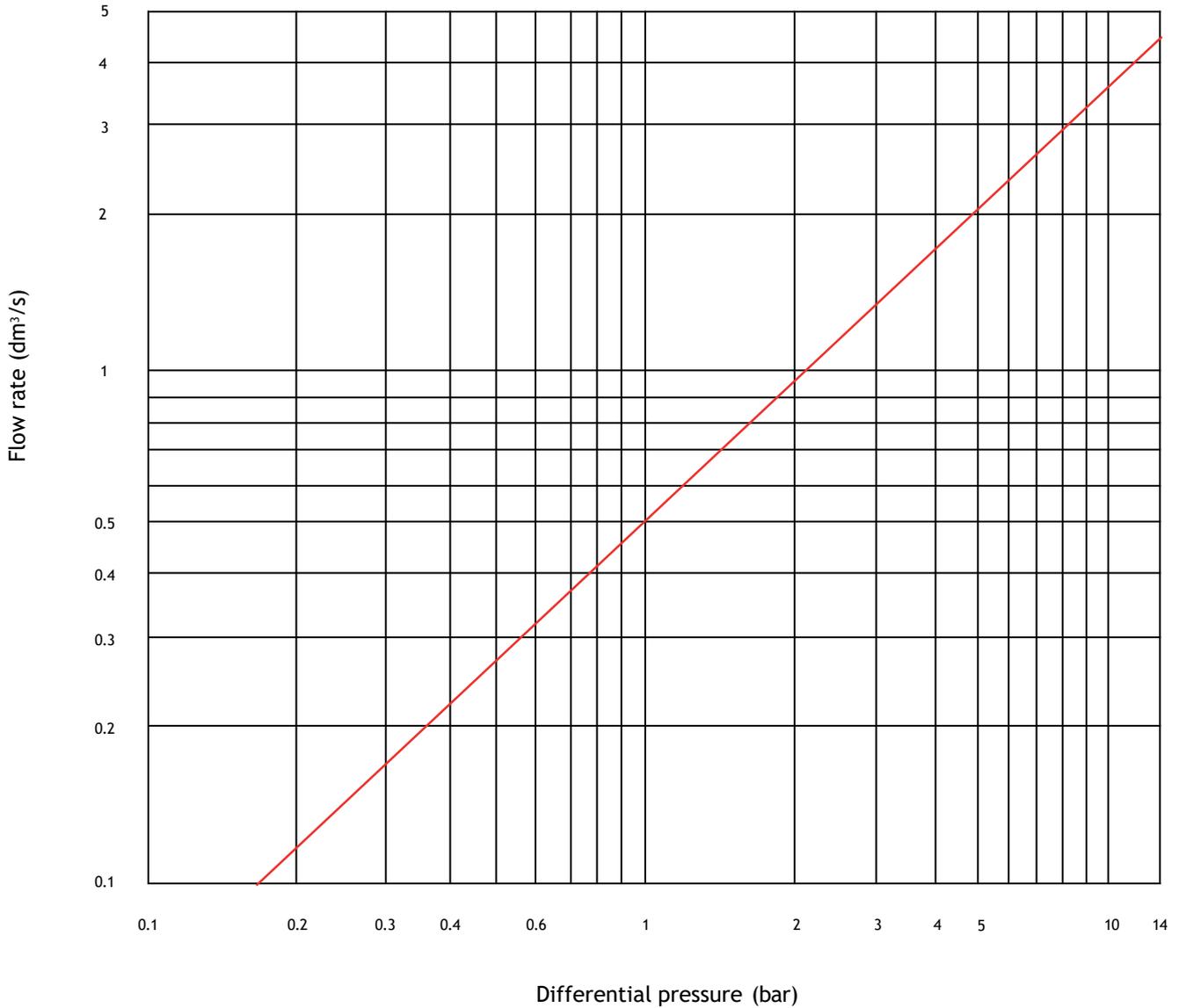
Pressure and temperature

For pressure/temperature ratings, see the graph below.



Warning: If the air release valve is used with fluids that have a temperature above 60°C then people could burn themselves if they touch the air release valve.

Bleed flow rate curve



Assembly and maintenance instructions

Installation

You must install the air release valve on a vertical pipe. You should install it at the highest point of the circuit you want to bleed.

You must install the air release valve the correct way up. You must channel the air that is released from the vent towards a zone where it will not cause any danger.

You should install a DN20 full bore control valve upstream from the air release valve.

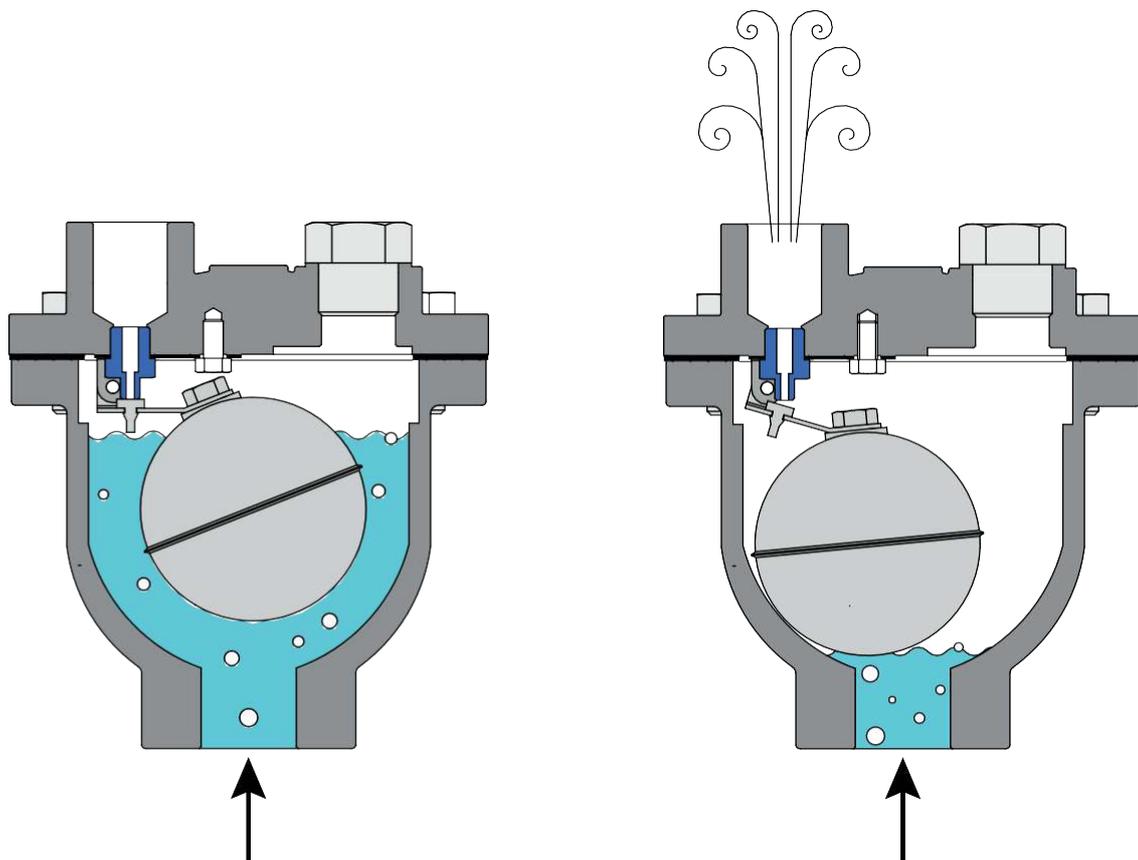
Check that there is enough space to carry out maintenance operations where you are planning to install the air release valve. Check that the installation is clean and free from foreign bodies that could damage the air release valve.

Use a product that is suitable for the working conditions (e.g. PTFE tape) to make sure the air release valve's threaded connections are sealed correctly.

Operating principle

The air release valve bleeds air that is present in a closed system.

If there is air in the closed system, the air will rise up into the air release valve and push out the water. This action lowers the floater and allows the air to be released through the valve. When the air has been released, the water level will rise again and close the valve's air outlet.



Maintenance

The air release valve itself does not require any specific maintenance if it is used under normal operating conditions.

Warning: You must replace the body gasket **10** if you disassemble the air release valve.

Standards and compliance

- Connection: BSP female threading in accordance with EN ISO 7/1
- Leak test according to EN 12266
- This air release valve complies with European Pressure Equipment Directive (PED) 2014/68/EU (formerly 97/23/EC)