

Air Valve

BOAVENT-SIF

PN 16
DN 25-200

Type Series Booklet



Legal information/Copyright

Type Series Booklet BOAVENT-SIF

All rights reserved. The contents provided herein must neither be distributed, copied, reproduced, edited or processed for any other purpose, nor otherwise transmitted, published or made available to a third party without the manufacturer's express written consent.

Subject to technical modification without prior notice.

© KSB SE & Co. KGaA, Frankenthal 22/01/2018

Contents

Control Valves / Measurement Valves	4
Air Valves to DIN/EN.....	4
BOAVENT-SIF	4
Main applications.....	4
Fluids handled	4
Operating data.....	4
Body materials.....	4
Design details	4
Product benefits.....	4
Related documents	4
Purchase order specifications	4
Pressure/temperature ratings.....	5
Materials.....	5
Dimensions and weights.....	6

Control Valves / Measurement Valves

Air Valves to DIN/EN

BOAVENT-SIF



Main applications

- Domestic water supply
- Water treatment
- Water supply systems

Fluids handled

- Grey water
- Drinking water

Operating data

Operating properties

Characteristic	Value
Nominal pressure	PN 16
Nominal size	DN 25 - 200
Max. permissible pressure [bar]	16
Min. permissible temperature [°C]	≥ -10
Max. permissible temperature [°C]	≤ +70

Selection as per pressure/temperature ratings (⇒ Page 5)

Body materials

Overview of available materials

Material	Material number	Temperature limit
EN-GJS-400-15	EN-JS1030	+70 °C

Design details

Design

- Design to EN 1074-4
- 1 float
- Float made of polypropylene

- Full bore
- Drain valve
- Flanges complete with studs
- Flanged or threaded end

Variants

- Reduced bore
- Water hammer protection
- Viton sealing elements
- Body and flange made of stainless steel AISI 316

Product benefits

- The air valve ensures proper operation of the piping system, allowing the entry and discharge of large volumes of air during filling and draining operations and release of air pockets in working conditions.
- Full-bore design for high air flow rate
- Corrosion-resistant due to stainless steel material
- Drain valve for chamber monitoring and draining
- Nozzle and gasket holder in AISI 316
- Float and obturator made of solid polypropylene

Related documents

Information/documents

Document	Reference number
Operating manual	V949011/1.10

Purchase order specifications

Please specify the following information in all enquiries or purchase orders:

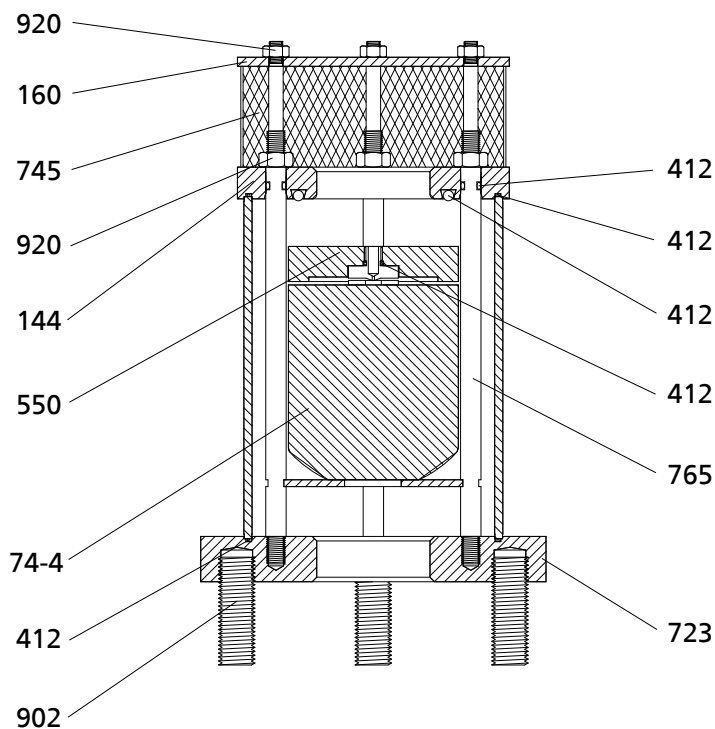
1. Type
2. Nominal pressure
3. Nominal size
4. Operating pressure
5. Operating temperature
6. Materials
7. Fluid handled
8. Pipe connection
9. Variants
10. Number of type series booklet

Pressure/temperature ratings

Permissible operating pressures [bar] (to EN 12266-1)

PN	Material	[°C]					
		-10 to 120	150	200	250	300	350
16	EN-GJS-400-15	16,0	15,5	14,7	13,9	12,8	11,2

Materials

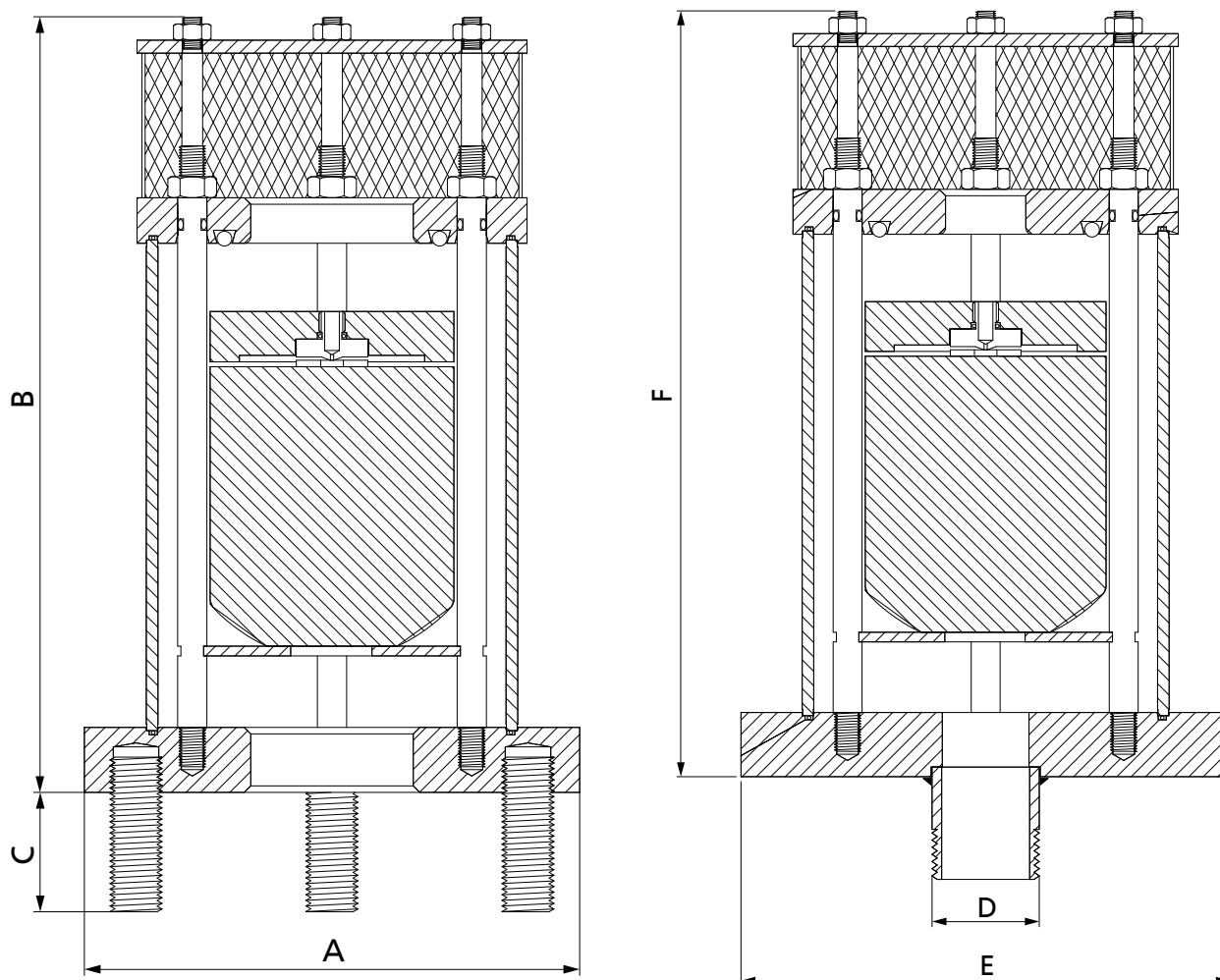


BOAVENT-SIF

Parts list

Part No.	Description	Material
144	Seat	AISI 304
160	Cover	AISI 304
412	O-ring	NBR
550	Disc	Polypropylene
723	Flange	AISI 304
74-4	Float	Polypropylene
745	Filter	AISI 303
765	Guide shank	AISI 304
902	Stud	AISI 304
920	Nut	AISI 304

Dimensions and weights



BOAVENT-SIF

Dimensions [mm] and weights [kg]

PN	DN	A	B	C	[kg]
40	50	165	255	40	8,0
	65	185	255	40	8,0
	80	200	285	50	12,0
	100	235	335	50	17,0
	150R ¹⁾	235	385	50	27,0
	150	300	445	70	45,0
	200R ¹⁾	360	445	70	49,0
	200	360	515	70	62,0
	250R ¹⁾	405	515	70	72,0

Dimensions [mm] and weights [kg]

PN	NPS	D	E	F	[kg]
40	1"	CH45	165	200	6,4
	2"	CH75	165	255	6,4

Mating dimensions as per standard

Face-to-face lengths: Manufacturer's standard
Flanges: DIN EN 1092-2
Threaded ends: Gas

1) Reduced bore



KSB SE & Co. KGaA
Johann-Klein-Straße 9 • 67227 Frankenthal (Germany)
Tel. +49 6233 86-0
www.ksb.com