

Air Valve

BOAVENT-SVF

PN 16/25/40
DN 25-300

Type Series Booklet



Legal information/Copyright

Type Series Booklet BOAVENT-SVF

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Contents

Control Valves / Measurement Valves	4
Air Valves to DIN/EN.....	4
BOAVENT-SVF.....	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-SVF



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 16/25/40
Nominal size	DN 25 - 300
Max. permissible pressure [bar]	40
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-500-7	5.3200	+70 °C

Design details

Design

- Design to EN 1074-4
- 1 float
- Float made of polypropylene
- Float consisting of two cylinders
- Full bore
- Drain port
- With fixed or mobile flanges

Variants

- Reduced bore
- Stainless steel variant
- Water hammer protection
- Other flange designs
- Pressure class PN 64 (welded steel)

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.
- Drain port for inspection and maintenance
- Float consists of two polypropylene cylinders connected via a patented air release system made of AISI 316.
- Anti-water hammer mechanism can be retrofitted without removing the air valve from the piping.
- The air valve can be serviced without removing it from the piping.

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:

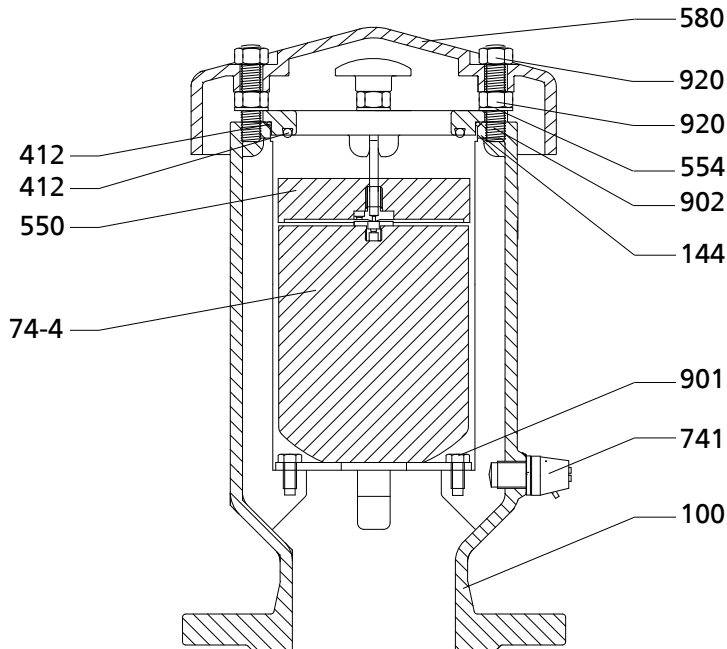
1. Type
2. Nominal pressure
3. Nominal size
4. Operating pressure
5. Operating temperature
6. Materials
7. Fluid handled
8. Pipe connection
9. Variants
10. Number of type series booklet

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-500-7	16,0	15,2	14,4	12,8	11,2	8,8

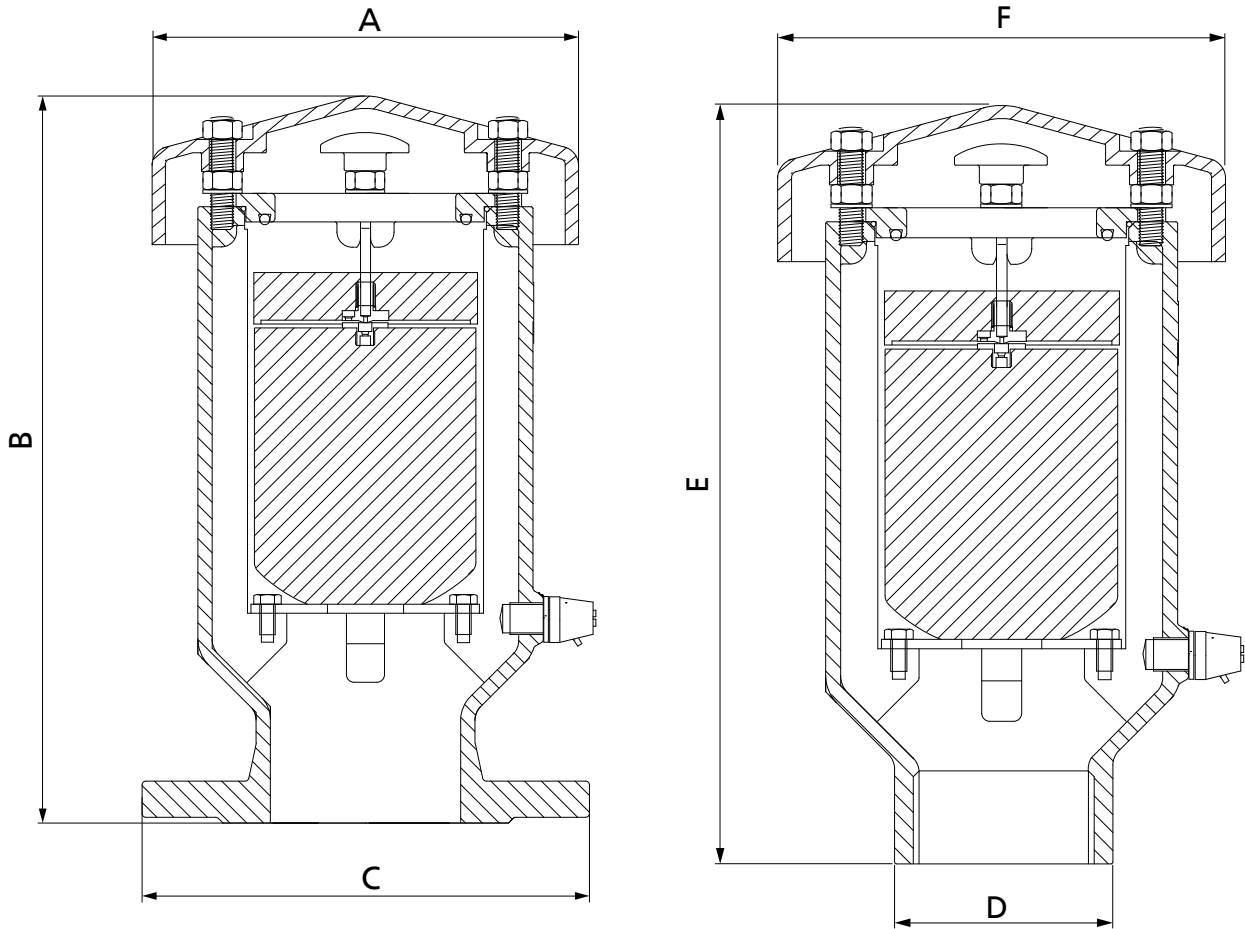
Materials



BOAVENT-SVF

Parts list

Part No.	Description	Material	Material number
100	Body	EN-GJS-500-7	5.3200
144	Seat	AISI 304	-
412	O-ring	NBR	-
550	Disc	Polypropylene	-
554	Washer	AISI 304	-
580	Cap	EN-GJS-500-7	5.3200
741	Valve	AISI 303	-
74-4	Float	Polypropylene	-
901	Bolt/screw	AISI 304	-
902	Stud	AISI 304	-
920	Nut	AISI 304	-

Dimensions and weights

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Full bore

Dimensions [mm] and weights [kg]

PN	DN	A	B	C ¹⁾	C ²⁾	[kg]
16/25/40	50	141	305	-	165	9,5
	80	172	315	205	210	13,8
	100	206	370	220	235	21,7
	150	285	515	285	305	44,5
	200	380	625	340	375	85,0
	250	440	785	-	450	134,0

Dimensions [mm] and weights [kg]

PN	NPS	D	E	F	[kg]
16/25/40	1"	CH45	240	117	4,0
	2"	CH70	295	141	7,5

Reduced bore

Dimensions [mm] and weights [kg]

PN	DN	A	B	C ¹⁾	C591375 ²⁾	[kg]
16/25/40	50	117	236	-	165	6,8
	80	141	305	205	210	10,8
	100	172	303	220	235	13,8
	150	206	337	285	305	23,0

- 1) With mobile flanges
 2) With fixed flanges

PN	DN	A	B	C ¹⁾	C591375 ²⁾	[kg]
16/25/40	200	285	515	340	375	55,0
	250	380	625	-	450	101,0
	300	414	735	-	485	127,0
	350	492	850	-	580	250,5
	400	578	995	-	660	304,0

Dimensions [mm] and weights [kg]

PN	NPS	D	E	F	[kg]
16/25/40	2"	CH70	231	117	4,8

Mating dimensions as per standard

Face-to-face lengths: Manufacturer's standard

Flanges: DIN EN 1092-2

Threaded ends Gas



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