

Air Valve

BOAVENT-AVF

PN 16
DN 50-300

Type Series Booklet



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Type Series Booklet BOAVENT-AVF

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Control Valves / Measurement Valves

Air Valves to DIN/EN

BOAVENT-AVF



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 50 - 300 |
| Max. permissible pressure [bar] | 16 |
| Min. permissible temperature [°C] | ≥ -10 |
| Max. permissible temperature [°C] | ≤ +120 |

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 | +120 °C |

Design details

Design

- Design to EN 1074-4
- Two floats
- Valve certified for drinking water applications to WRAS (elastomer and coating)

Variants

- Pressure class PN 25
- Floats made of stainless steel

Product benefits

- Automatic air valve with three functions: entry and discharge of large volumes of air and release of air pockets in working conditions.

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:

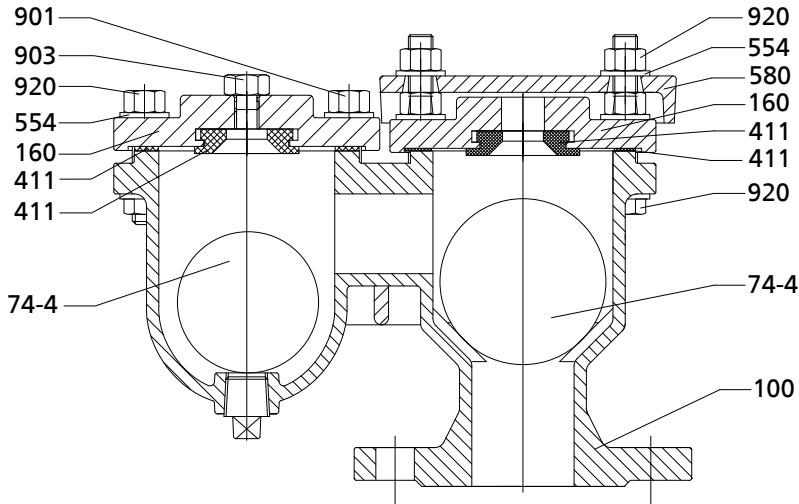
1. Type
2. Nominal pressure
3. Nominal size
4. Operating pressure
5. Operating temperature
6. Materials
7. Fluid handled
8. Pipe connection
9. Variants
10. Number of type series booklet

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

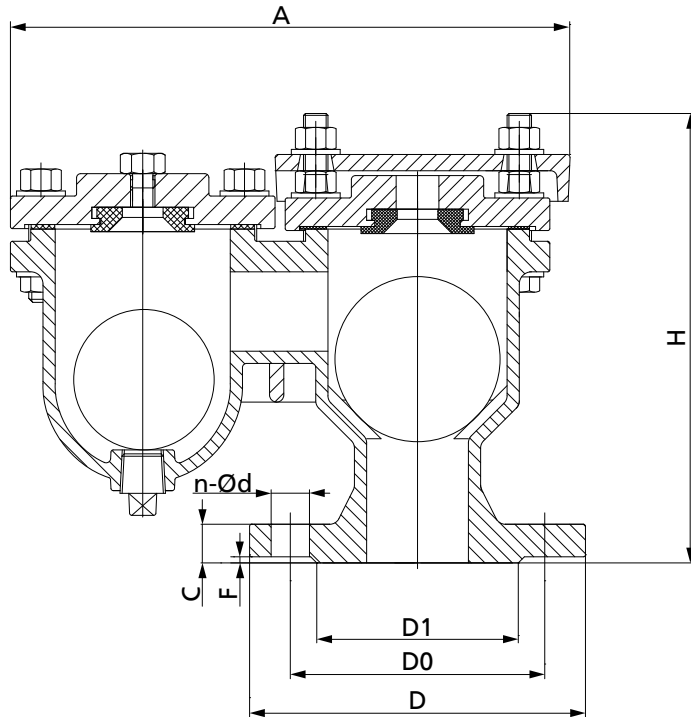


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Parts list

| Part No. | Description | Material | Material number |
|----------|-------------|--------------|-----------------|
| 100 | Body | EN-GJS-500-7 | 5.3200 |
| 160 | Cover | EN-GJS-500-7 | 5.3200 |
| 411 | Joint ring | EPDM | - |
| 554 | Washer | SS 316 | - |
| 580 | Cap | EN-GJS-500-7 | 5.3200 |
| 74-4 | Float | ABS | - |
| 901 | Bolt/screw | SS 316 | - |
| 903 | Screw plug | SS 316 | - |
| 920 | Nut | SS 316 | - |

Dimensions and weights



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Dimensions [mm] and weights [kg]

| PN | DN | D | D0 | D1 | C | n | Ød | F | H | A | [kg] |
|----|-----|-----|-----|-----|------|----|----|---|-----|-----|------|
| 16 | 50 | 165 | 125 | 99 | 19,0 | 4 | 19 | 3 | 220 | 247 | 24 |
| | 65 | 185 | 145 | 118 | 19,0 | 4 | 19 | 3 | 232 | 247 | 25 |
| | 80 | 200 | 160 | 132 | 19,0 | 8 | 19 | 3 | 250 | 342 | 27 |
| | 100 | 220 | 180 | 156 | 19,0 | 8 | 19 | 3 | 270 | 345 | 30 |
| | 125 | 250 | 210 | 184 | 19,0 | 8 | 19 | 3 | 294 | 368 | 40 |
| | 150 | 285 | 240 | 211 | 19,0 | 8 | 23 | 3 | 328 | 383 | 46 |
| | 200 | 340 | 295 | 266 | 20,0 | 12 | 23 | 3 | 405 | 430 | 65 |
| | 250 | 400 | 355 | 319 | 22,0 | 12 | 28 | 3 | 450 | 475 | 100 |
| | 300 | 455 | 410 | 370 | 24,5 | 12 | 28 | 4 | 510 | 522 | 185 |

Mating dimensions as per standard

Face-to-face lengths: Manufacturer's standard

Flanges: DIN EN 1092-2



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