

Automatic Air Valves for Waste Water and Sewage

Range of application

| Size DN | Pressure rating PN | Hydrost. test pressure ⁶⁾ in bars for | | Max. admissible working pressure in bars at a working temperature of up to 40 °C |
|------------------------|--------------------------|---|---------------|--|
| | | body water | seat water | |
| 80 - 200 ¹⁾ | 16 | 25 | 17,6 | 0,1 - 16 |
| 200 ¹⁾ | 10 | 17 | 11 | 0,1 - 10 |

When placing the order, please specify conditions of installation, flow medium, working pressure, and working temperature.

Flange B DN 80 - 150, PN 16, GI, type 21, EN 1092-2
Flange B DN 200, PN 16, GI, type 21, EN 1092-2, with 12 gudgeons M 20¹⁾ } Prod. No. 6925 1800
Flange B DN 200, PN 10, GI, type 21, EN 1092-2, with 8 gudgeons M 20¹⁾ } Prod. No. 6916 1800

Materials / Equipment

| | |
|--|--|
| Prod. No. | 6916 1800: PN 10; 6925 1800: PN 16 |
| Corrosion protection of body components | EKB epoxy coating |
| Body components | Lamellar cast iron EN-JL1040 ⁵⁾ |
| Float, seat ring, nozzles, and bolts | Stainless steel |
| Sealing ring and seals | Elastomer NBR, oil-resistant |
| Connecting bolts | Stainless steel A2, DIN-ISO 3506 |

Features

Float with double function, with a free distance (> 100 mm) between float and body inside wall. The operating mechanism and the three air-admission and air-evacuation nozzles are arranged in the upper chamber.

The valve geometry and the floating point of the float are conceived in such a way that even with compressed air, the water level does not reach the upper chamber.

The air outflow/inflow cross sections are characterized by high capacity. Under full working pressure air is evacuated through two small nozzles.⁴⁾

Dimensions

| Size DN | Height H mm | Body outside dia. D mm | Air outflow/inflow cross sections ³⁾ mm ² | Weight ²⁾ kg | Volume m ³ |
|-------------------|-------------------|---------------------------------|--|-------------------------------|--------------------------|
| 80 100 150 | 710 | 510 | 2 x 16/ 3850 | 141 142 144 | 0,19 |
| 200 ¹⁾ | 625 | | | 123 | 0,17 |

¹⁾ DN 200 will be supplied without inlet piece.

²⁾ Net (without obligation).

³⁾ Air outflow/inflow cross sections: Releasing air under pressure/air release or admission under pressure-less conditions (when filling or emptying the pipeline).

⁴⁾ Detailed description of performance in leaflet "Air Valves for Waste Water and Sewage".

⁵⁾ Corresponding to former DIN description 0.6125 (GG-25).

⁶⁾ According EN 12266 and EN 1074

