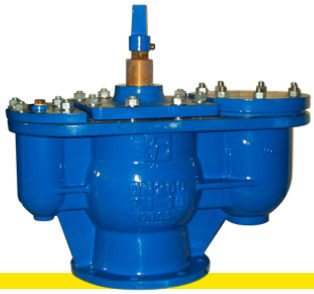
# Automatic air valves, with double orifice and integrated valve, flanged PN 16, 25



Art. 706-712

Flanges: UNI EN 1092-2 PN 16-25
Installation: at the high part of pipelines
APPLICATIONS • Aqueducts • Irrigation plants
- Fig. 706: flanges drilling PN 16
- Fig 712: Flanges drilling PN 25
Epoxy paiting suitable for drinking water applications.

The double orifice automatic air valves with integrated valve are used for applications related to troubles with air in the pipelines. The double air valves with integrated valve working as isolating valve allow maintenance or replacement of balls in line. The minimum pressure on seat is 0,3 bar.

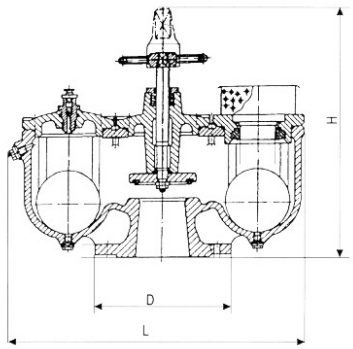
The double ball air valves have three functions:

- Discharge large amount of air during filling operations
- Discharge small amount of air during working operations
- Let air in during piping emptying operations

## Materials

| | |
|---|---|
| body | ductile iron GGG40/50, EN-GJS-400/500 |
| cover | ductile iron GGG40/50, EN-GJS-400/500 |
| floating balls | ABS / NBR / st.st. AISI 304 |
| gasket | EPDM |
| painting | epoxy |

## Dimensions




| DN | L mm. | H mm. | D mm. | Weight kg. |
|---|---|---|---|---|
| 50 | 290 | 415 | 165 | 22 |
| 65 | 290 | 415 | 185 | 30 |
| 80 | 290 | 425 | 200 | 30 |
| 100 | 530 | 480 | 220 | 52 |
| 150 | 656 | 515 | 285 | 109 |
| 200 | 790 | 615 | 340 | 196 |

## Pressure

| DN | Nominal pressure | Test pressure Mpa | | Max working pressure Mpa |
|---|---|---|---|---|
| mm | BAR | body | seat | 40°C |
| 50-200 | 16 | 2,4 | 1,76 | 1,6 |
| 50-200 | 25 | 4,0 | 2,75 | 2,5 |

| DN of pipeline | DN of air valve |
|---|---|
| < 200 mm | DN 50 |
| 200 mm - 250 mm | DN 80 |
| 300 mm - 500 mm | DN 100 |
| 600 mm - 900 mm | DN 150 |
| 1000 mm - 1200 mm | DN 200 |
| > 1200 mm | DN 250 o 2 x DN 200 |

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