

ERHARD Float Valves PN 10

of ductile cast iron,
straight pattern, with pressure-balanced piston

Range of application: water (discharge without counterpressure)

| Size DN ¹⁾ | Pressure rating PN | Hydrost. test pressure in bars for | | Max. adm. working pressure in bars at a working temperature of up to 40 °C |
|--------------------------|-----------------------|---------------------------------------|---------------|--|
| | | body water | seat water | |
| 50 - 150 | 10 | 17 | 11 | 10 |

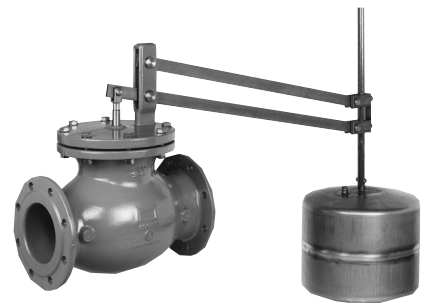
When placing the order, please specify application, max. flow rate, max. working pressure, and flow medium.

Flanges B ...connecting dimensions PN 16, DI, type 21, EN 1092-2²⁾

Materials/Equipment³⁾

| | |
|---|---|
| Corrosion protection of body components | EKB epoxy coating, blue, RAL 5015 |
| Body and upper structure | Ductile cast iron EN-JS1050 ⁹⁾ |
| Slotted bush, body seat, piston, stem, rods, and float | Stainless steel |
| Seals | Elastomer |

epoxy coating
EKB
epoxy coating



Dimensions

| Size DN ¹⁾ | Face-to-face dimension L | Height | | | | Flange dia. D | Space require- ment e | Float | | | Kvs ⁸⁾ m ³ /h | Weight ⁶⁾ approx. kg | Volume ⁷⁾ m ³ |
|--------------------------|--------------------------------|----------------|------------------------------|---|------|---------------------|--------------------------------|-----------|-------------|--------|--|---------------------------------------|--|
| | | H ₁ | H ₂ ⁴⁾ | H ₃ ⁵⁾ min. max. | | | | dia. d | height h | travel | | | |
| 50 | 230 | 371 | 460 | 25 | 1040 | 165 | 650 | 300 | 300 | 235 | 30 | 32 | 0,04 |
| 65 | 290 | 383 | 470 | 33 | 1030 | 185 | 700 | 300 | 300 | 240 | 48 | 41 | 0,06 |
| 80 | 310 | 398 | 540 | 40 | 960 | 200 | 750 | 300 | 300 | 320 | 70 | 48 | 0,08 |
| 100 | 350 | 399 | 520 | 50 | 980 | 220 | 800 | 400 | 350 | 300 | 112 | 65 | 0,10 |
| 125 | 400 | 424 | 560 | 63 | 940 | 250 | 900 | 400 | 350 | 320 | 161 | 86 | 0,15 |
| 150 | 480 | 458 | 600 | 75 | 900 | 285 | 1000 | 400 | 350 | 350 | 223 | 118 | 0,21 |

¹⁾ Sizing to Kvs-value. We reserve the right to size the valves according to order data.

²⁾ For DN 80, please indicate if to be supplied with 4 or 8 holes (for holes for PN 10 only).

³⁾ On request: valve opens when water level rises.

⁴⁾ When valve is closed.

⁵⁾ Min. and max. water level in the reservoir when valve is closed.

⁶⁾ Net (without obligation) with float.

⁷⁾ Without float.

⁸⁾ Kvs = KV for full opening.

⁹⁾ Corresponding to former DIN description 0.7050 (GGG-50).

Note:

The valves are to be installed into the clean and flushed pipeline according to cast-on arrow showing the flow direction. If the flow medium is dirty or if one has to reckon with foreign bodies, it is necessary to install a dirt trap upstream of the valve.

