

Diaphragm Reflex Preventer

of cast iron

Range of application: mechanically pure water¹⁾

| Size ¹⁾ DN | Pressure rating bars PN | Hydrost. test pressure in bars for ⁶⁾ | | Max. admissible working pressure in bars at a working temperature of 70 °C |
|--------------------------|-------------------------------|---|------|---|
| | | body | seat | |
| 40 - 150 | 16 | 24 | 16 | 16 |
| 200 - 300 | 10 | 15 | 10 | 10 |

When placing the order, please specify flow medium, concentration, working pressure, and working temperature.

Flanges B, DN 40 - 150, PN 16, GI, type 21, EN 1092-2²⁾.

Flanges B, DN 200 - 300, PN 10, GI, type 21, EN 1092-2

Materials

Body inlet and body outlet of lamellar cast iron EN-JL1040⁵⁾. Internal body: DN 40-65 of polyethylene; DN 80-300 of cast iron EN-JL1040⁵⁾, diaphragm of natural caoutchouc. Connecting bolts of steel.

Design

With resilient and wrinkle-free rubber diaphragm, opening at beginning of flow, noiseless and shock-free tight closure before the beginning of reflux. Suitable for each installation position.

Corrosion protection of body components: **EKB** epoxy coating RAL 5015, sky blue

Dimensions:

| Size ¹⁾ DN | Face-to-face dimension L ⁷⁾ mm | Flange dia. D mm | Intermediate flange dia. D ₁ mm | Head loss coefficient ζ at V [m/sec] ⁴⁾ | | | | Weight ³⁾ kg |
|--------------------------|--|---------------------------|--|---|-----|-----|-----|----------------------------|
| | | | | 0,5 | 1,0 | 2,0 | 3,0 | |
| 40 | 180 | 150 | 145 | 86 | 28 | 9 | 5 | 8 |
| 50 | 200 | 165 | 185 | 78 | 27 | 9 | 5 | 14 |
| 65 | 240 | 185 | 205 | 78 | 27 | 9 | 5 | 19 |
| 80 | 260 | 200 | 230 | 78 | 28 | 10 | 6 | 24 |
| 100 | 300 | 220 | 260 | 53 | 18 | 7 | 4 | 31 |
| 125 | 350 | 250 | 305 | 63 | 21 | 7 | 4 | 45 |
| 150 | 400 | 285 | 355 | 71 | 23 | 7 | 4 | 65 |
| 200 | 500 | 340 | 440 | 59 | 21 | 7 | 4 | 145 |
| 250 | 600 | 395 | 535 | 55 | 19 | 6 | 4 | 210 |
| 300 | 700 | 445 | 615 | 55 | 18 | 6 | 3 | 330 |

¹⁾ Other flow media and sizes on request.

²⁾ For DN 80 please specify if the flanges are to be drilled with 4 or 8 holes.

³⁾ Net (without obligation).

⁴⁾ Approximate values.

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

⁶⁾ According to EN 12266 and EN 1074.

⁷⁾ According to EN 558-1, FTF, basic serie 48 (DIN 3202, basic serie F6).

