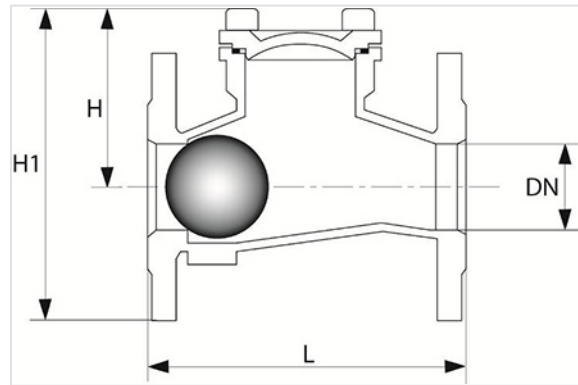


Non return ball check valve in cast iron DN50-400

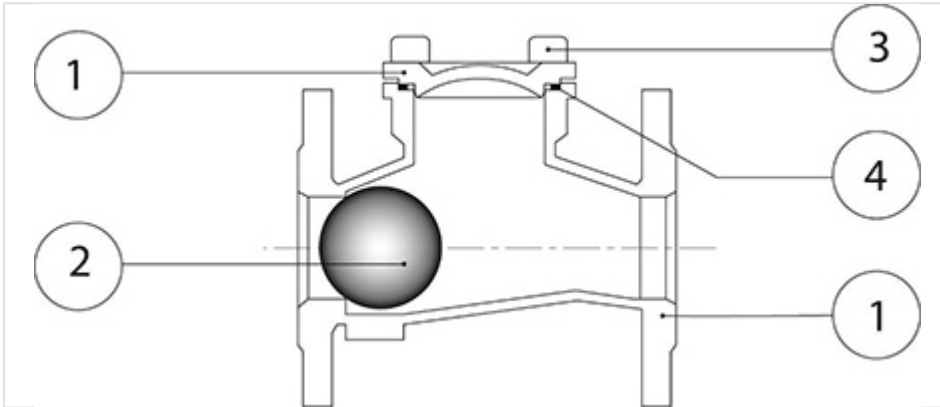


- For used water (cleansing station, pumping station)
- Flanges drilled according to DIN 2501 PN10
- Face to face dimension DIN 3202/F1

| DN (mm) | L (mm) | H (mm) | H1 (mm) | Mass (kg) | References |
|---------|--------|--------|---------|-----------|------------|
| 50 | 200 | 113 | 196 | 7.50 | RCA50FMCF |
| 65 | 240 | 126 | 219 | 14.00 | RCA65FMCF |
| 80 | 260 | 162 | 262 | 16.00 | RCA80FMCF |
| 100 | 300 | 194 | 304 | 21.00 | RCB10FMCF |
| 125 | 350 | 214 | 339 | 38.00 | RCB12FMCF |
| 150 | 400 | 260 | 403 | 52.00 | RCB15FMCF |
| 200 | 500 | 320 | 490 | 99.00 | RCB20FMBF |
| 250 | 600 | 365 | 563 | 160.00 | RCB25FMBF |
| 300 | 700 | 427 | 650 | 240.00 | RCB30FMBF |
| 350 | 800 | 485 | 738 | 268.00 | * |
| 400 | 900 | 537 | 820 | 360.00 | RCB40FMBF |

(*): consult us

Material and coating



| Item | Description | Material | Coating |
|------|--------------------|------------------------------------|-----------------------------|
| 1 | Body, cap and seat | Cast iron GS | Epoxy thickness 250 microns |
| 2 | Ball | DN50 to 100 : Aluminium type AK 11 | NBR |
| | Ball | DN125 to 400 : cast iron GS | NBR |
| 3 | Screws and bolts | Steel type A2 | |
| 4 | Joint cap/body | NBR | |

Hydraulic characteristics

- Headloss at the opening 0.8 bar
- Headloss: Kv

The headloss ΔP in the valve is expressed by the flow coefficient Kv that is the flow at a temperature of 20°C crossing the check valve by causing a headloss of 1 bar.

Those sizes are tied by the simplified following relation:

$$Kv = \frac{Q}{\sqrt{\Delta P}}$$

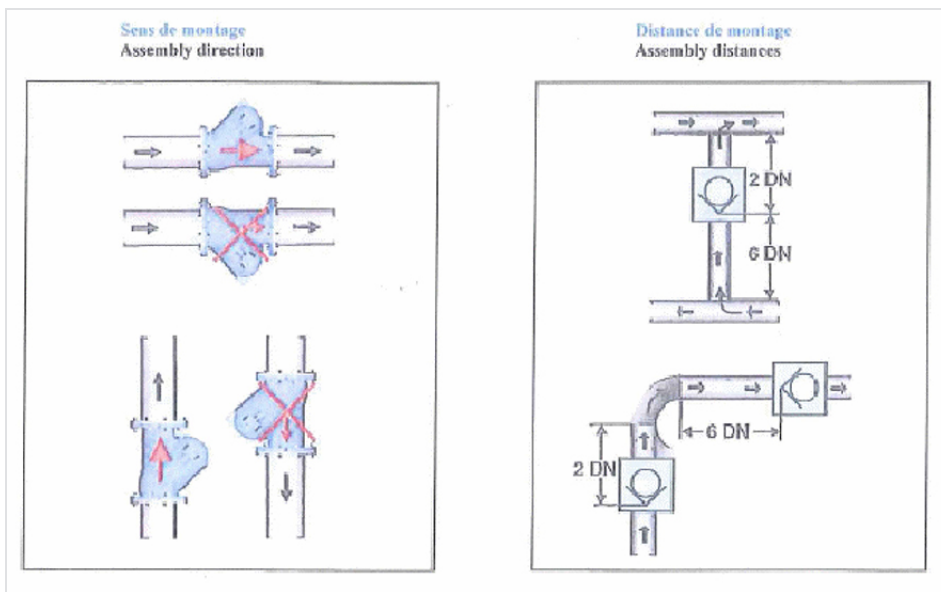
with Q in m³/h and Kv in m³/h, ΔP in bar.

Flow coefficient according to DN:

Tightness mini on water column downstream: 8m CE.

| DN | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 |
|----------------------|----|-----|-----|-----|-----|-----|------|------|------|
| KV (m ³) | 92 | 145 | 265 | 384 | 642 | 784 | 1592 | 2480 | 3380 |

Installation drawing



The information on this sketch is, to the best of our knowledge correct at the time of printing. However Saint-Gobain are constantly looking at ways of improving their products and services therefore reserve the right to change without prior notice, any of the data shown. Any orders placed will be subject to our Standard Conditions of Sale, available on request.