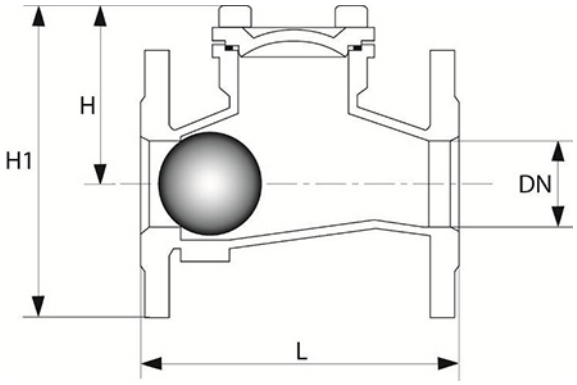
09/06/2026
VPPCH21NRB050

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

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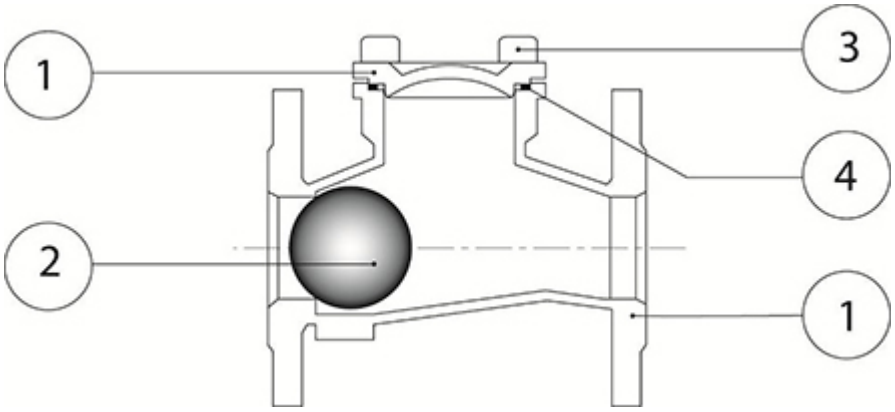
Material and coating



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 m^3/h and Kv in m^3/h, ΔP in bar.

Flow coefficient according to DN:

Tightness mini on water column downstream: 8m CE.

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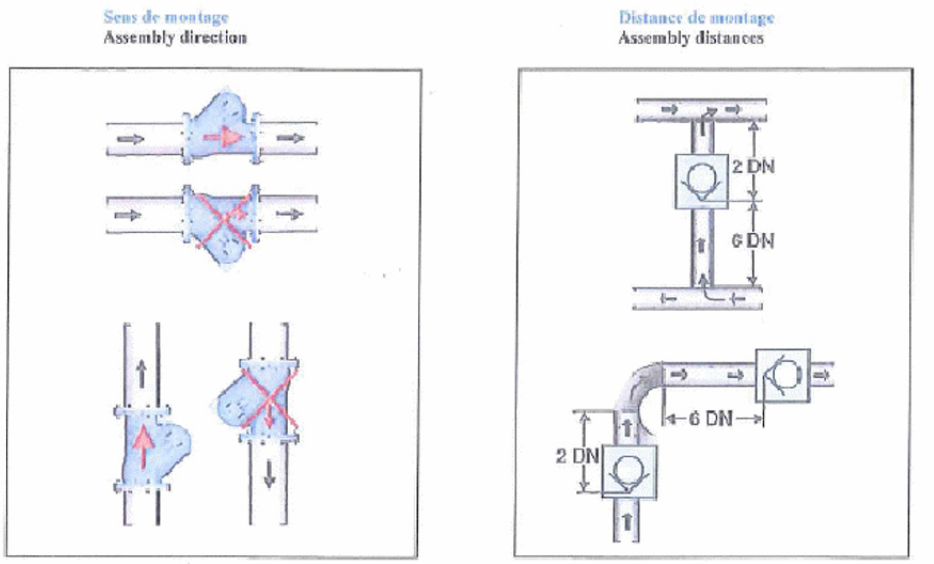
DN	50	65	80	100	125	150	200	250	300
KV (m^3)	92	145	265	384	642	784	1592	2480	3380

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.

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