

Check Valves PN 10

of cast iron

Range of application: preferably water

Size DN	Pressure rating PN	Hydrost. test pressure in bars for		Max. admissible working pressure in bars at a working temperature of $\leq 70^{\circ}\text{C}^{2)}$
		body water	seat water	
350 - 600	10	16	8,8	8
700 - 800	10	12	6,6	6

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

Flanges B, DN 350 - 800, PN 10, GI, type 21, connecting dimensions and thickness to EN 1092-2.

Materials/Equipment

Corrosion protection	EKB epoxy coating, colour "blue", RAL 5015
Body components	Lamellar cast iron EN-JL1040 ³⁾
Hinge	Ductile cast iron EN-JS1050 ⁴⁾
Body seat	Brass
Valve disc Disc facing ring	Lamellar cast iron EN-JL1040 ³⁾ Rubber
Hinge pin	Ferritic chrome steel (min. 13% Cr)
Shaft bearing bushes	Steel/tin/PTFE
Shaft sealing (maintenance-free)	Elastomer
Cover seal	Soft material
Connecting bolts	Stainless steel A2, DIN-ISO 3506
Lever	Welded steel
Counterweight	Cast iron

5610 1800 with internal hinge pin.

5610 1860 with hinge pin and weight-loaded lever protruding on the left seen in flow direction.

Dimensions

Size DN	Face-to-face dim. L ⁵⁾ mm	Height		Flange dia. D mm	5610 1800		5610 1860		Bypass	
		H ₁ mm	H ₂ mm		Weight kg ¹⁾	Volume m ³	Weight kg ¹⁾	Volume m ³	DN	Add. weight kg ¹⁾
350	800	400	285	505	320	0,28	355	0,3	32	2
400	900	455	310	565	430	0,4	480	0,5	40	3
450	1000	510	345	615	620	0,6	645	0,7	50	5
500	1100	560	380	670	710	0,7	750	0,9	50	5
600	1300	630	450	780	980	1,1	1025	1,3	65	55
700	1500	795	525	895	1490	1,7	1565	2,0	65	55
800	1700	855	610	1015	2100	2,6	2175	2,6	80	70

¹⁾ Net (without obligation).

²⁾ Higher temperatures available on request.

³⁾ Corresponding to former DIN description 0.6125 (GG-25).

⁴⁾ Corresponding to former DIN description 0.7050 (GGG-50).

⁵⁾ According to EN 558-1, FTF, basic serie 48 (DIN 3202, basic serie F6).

Note:

For installation with flow from above downwards, longer lever and heavier weight are necessary. Delivery on request.

Attention:
For the prevention of accidents, the moving range of the lever of Check Valves with weight-loaded lever has to be protected by means of a protective grating.

 epoxy coating
EKB
 epoxy coating
