Cast iron swing check valves with counter weight and lever PN 10 and 16



Art. 111

Face to face length: EN 558-1 serie 48, DIN 3202 F6
Flanges UNI EN 1092-2 PN 10 - 16
Installation: horizontal / vertical with down-up flow direction
APPLICATIONS • Water supply • Pumping stations • Wastewater treatment plants • Hydropower plants • Sewage

- Fig. 110: without counterweight lever, PN 10
- Fig. 113: without counterweight lever, PN 16

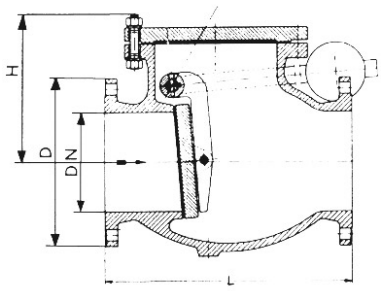
Epoxy paiting suitable for drinking water applications.

The swing check valves with counter weight and lever grant a good performance of the anti-hammer effect thanks to the presence of the counter weight, that acts automatically when the flow stops. These swing check valves can be applied for both horizontal and vertical installations. For installation in vertical flow lines, we recommend to turn the counterweight 90° clockwise, so that, when the valve is ready for use, the counterweight will be in horizontal position.

Materials

body	cast iron GG25, EN-GJL-250
cover	cast iron GG25, EN-GJL-250
swing	cast iron GG25, EN-GJL-250
body seat facing	brass
disc seat facing	rubber / brass
gasket	asbestos free
pin	stainless steel X 20 CR 13 / brass
painting	epoxy

Dimensions



DN	L mm.	H mm.	D mm.	Weight kg.
50	200	130	165	11
65	240	155	185	14.2
80	260	170	200	17.8
100	300	200	220	24
125	350	225	250	43
150	400	240	285	58
200	500	280	340	98
250	600	330	395	140
300	700	360	445	192
350	800	410	505	255
400	900	450	565	350
450	1000	480	615	560
500	1100	590	670	700
600	1300	680	780	960

Pressure

DN	Nominal pressure	Test pressure Mpa		Max working pressure Mpa
mm	BAR	body	seat	80°C
50-600	16	2,4	1,76	1,6
50-600	10	1,5	1,1	1,0

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