Ball check valves, flanged PN 10 and 16



Art. 407-408

Flanges: UNI EN 1092-2 PN 10 - 16
Face to face length: EN 558-1 serie 48, DIN 3202 F6
Installation: horizontal / vertical with down-up flow direction

APPLICATIONS dirty water • Waste water treatment plants • Pumping stations • Sewage • Fluids with powders, sticky
- Fig. 407: in cast iron
- Fig. 408: in ductile iron

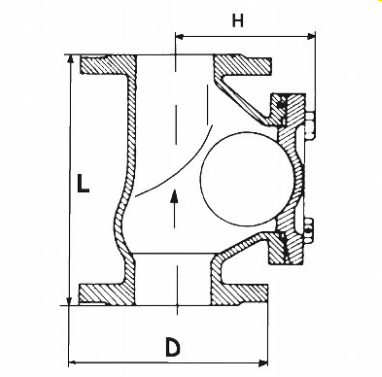
Epoxy paiting suitable for drinking water applications.

The ball check valves are a kind of check valves that acts automatically when the flow stops, thanks to the movement of the ball located inside the valve itself, that returns to initial position, stopping the flow. The ball check valves grant the full bore with the movement of the ball, without pressure drops. The mechanical work of these check valves creates optimal conditions inside the valve, the passage is never obstructed, and this kind of valve can be well used in case of flow with little powders. The ball check valves don't need any maintenance and are automatically cleaned.

Materials

body	cast iron GG25, EN-GJL-250, or ductile iron GGG40, EN-GJS-400-15
cover	cast iron GG25, EN-GJL-250, or ductile iron GGG40, EN-GJS-400-15
ball	cast iron GG25, EN-GJL-250 NBR covered, or Aluminium NBR covered
gasket	NBR
painting	epoxy

Dimensions



DN	L mm.	H mm.	D mm.	Weight kg.
40	180	100	150	7.5
50	200	106	165	8.5
65	240	119	185	12
80	260	145	200	19
100	300	172	220	21.5
125	350	208	250	33.5
150	400	255	285	45
200	500	324	340	93
250	600	400	395	150
300	700	430	445	238
350	800	480	505	260
400	900	585	565	395
500	1100	740	715	580

Pressure

DN	Nominal pressure	Test pressure Mpa		Max working pressure Mpa
mm	BAR	body	seat	80°C
40-500	10	1,5	1,1	1,0
40-300	16	2,4	1,76	1,6

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