Butterfly check valves with counterweight and oil cylinder flanged PN 16



Art. 5017

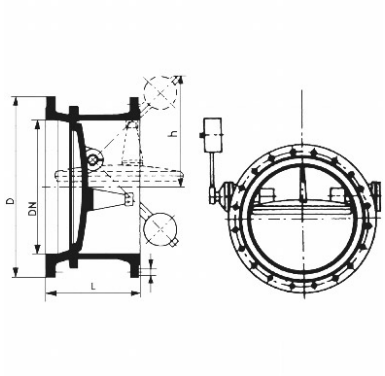
Flanges: UNI EN 1092-2 PN 16
Face to face length: EN 558-1, serie 14. DIN 3202 F4
Installation: horizontal / vertical with down-up flow direction.
APPLICATIONS ° Water supply ° Drinking water ° Irrigation plants ° Reservoirs ° Dams ° Pumping stations
Epoxy paiting suitable for drinking water applications.

The butterfly check valves with counterweight and oil cylinder are very reliable as they regulate the closing time of the valve. These valves are applied in pipelines as non-return device, with flow allowed in one direction only. The butterfly check valves with counterweight are double eccentric type with tilting disc, the counterweight lever will facilitate the anti-hammer device and the oil cylinder will slow down the closure movement, to reduce any slam with noise. From DN 900 and up, they come with two counterweight levers and two oil cylinders, one on each side of the valve. Epoxy coated inside and outside, the double flanged butterfly valves can be installed in drinking water plants. NBR gasket seals are on the disc and can be replaced without dismantling the valves from the pipeline.

Materials

body - disc	ductile iron GGG50, EN-GJS-500
disc seat ring	NBR + stainless steel 304
O ring	NBR
counterweight and lever	steel + iron
cylinder	steel
hinge pins	stainless steel X 20 CR 13
painting	epoxy 250 mcr min.

Dimensions



DN	L mm.	D mm.	Weight kg.
200	230	340	71
250	250	405	96
300	270	460	106
350	290	520	146
400	310	580	196.5
450	330	640	210
500	350	715	310
600	390	840	360
700	430	910	520
800	470	1025	650
900	510	1125	910
1000	550	1255	1200
1200	630	1485	2000
1400	710	1685	3210
1600	790	1930	4820
1800	870	2130	7000

Pressure

DN	Nominal pressure	Test pressure Mpa		Max working pressure Mpa
mm	BAR	body	seat	80°C
200-1800	16	2,4	1,76	1,6

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