



FLAP VALVE

Series - FLP 01



GENERAL

The primary application of flap valves is for surface water drainage associated with rivers, estuaries and sea water outfalls to prevent reverse flow conditions. Flap valves can be utilised on final effluent outfalls for sewage treatment plant to prevent flood damage within the works.

The flap valves should be positioned on the outfall structure so as to avoid the build-up of debris around the invert area which could prevent the valve operating correctly. Sufficient fall-away should be provided between the invert of the flap valve and the base of the outfall structure. An inclined seating plane is used to ensure that the valve will operate a 'positive close' position.

DESCRIPTION

A range of circular flap valves up to 1200 mm diameter for use in surface water, waste water and sea water applications.

MATERIAL SPECIFICATION AND DRAWING FOR SIZE 50MM TO 300MM

Body: GG25

Disc: GG25

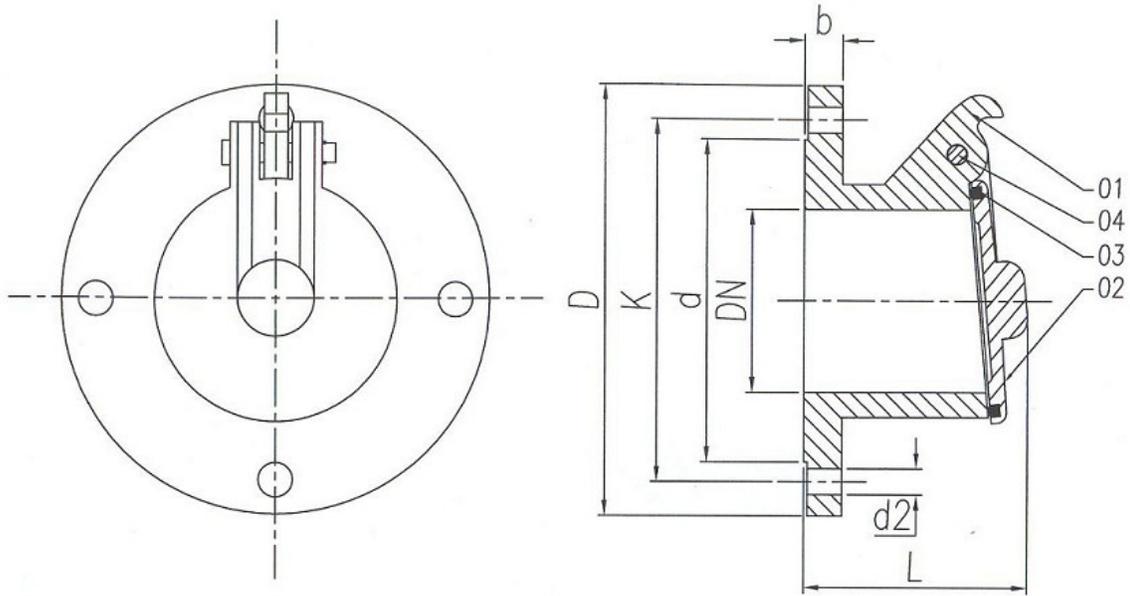
Disc Seat: NBR

Coating: 300 μ Fusion Bonded Epoxy

Flanges: BS4504, DIN2501, ISO7005-1

Pin: Stainless Steel

Pin Holder: Cast Steel



DN	PN10							PN16							PN25						
	D	K	d	b	d2	nu.	L	D	K	d	b	d2	nu.	L	D	K	d	b	d2	nu.	L
50	165	125	102	19	18.5	4	115	165	125	102	19	18.5	4	115	165	125	102	19	18.5	4	115
65	185	145	122	19	18.5	4	120	185	145	122	19	18.5	4	120	185	145	122	19	18.5	4	120
80	200	160	138	19	18.5	8	125	200	160	138	19	18.5	8	125	200	160	138	19	18.5	8	125
100	220	180	158	19	18.5	8	130	220	180	158	19	18.5	8	130	235	190	162	19	23	8	130
125	250	210	188	19	18.5	8	135	250	210	188	19	18.5	8	135	270	220	188	19	27	8	135
150	285	240	212	19	23	8	140	285	240	212	19	23	8	140	300	250	218	20	27	8	140
200	340	295	268	20	23	8	145	340	295	268	20	23	12	145	360	310	278	22	27	12	145
250	395	350	320	22	23	12	180	405	355	320	22	27	12	180	425	370	335	24.5	30	12	180
300	445	400	370	24.5	23	12	225	460	410	378	24.5	27	12	225	485	430	395	27.5	30	16	225

MATERIAL SPECIFICATION AND DRAWING FOR SIZE 350MM TO 1200MM

Body: Carbon Steel ST37-2

Disc: Carbon Steel ST37-2

Disc Seat: NBR

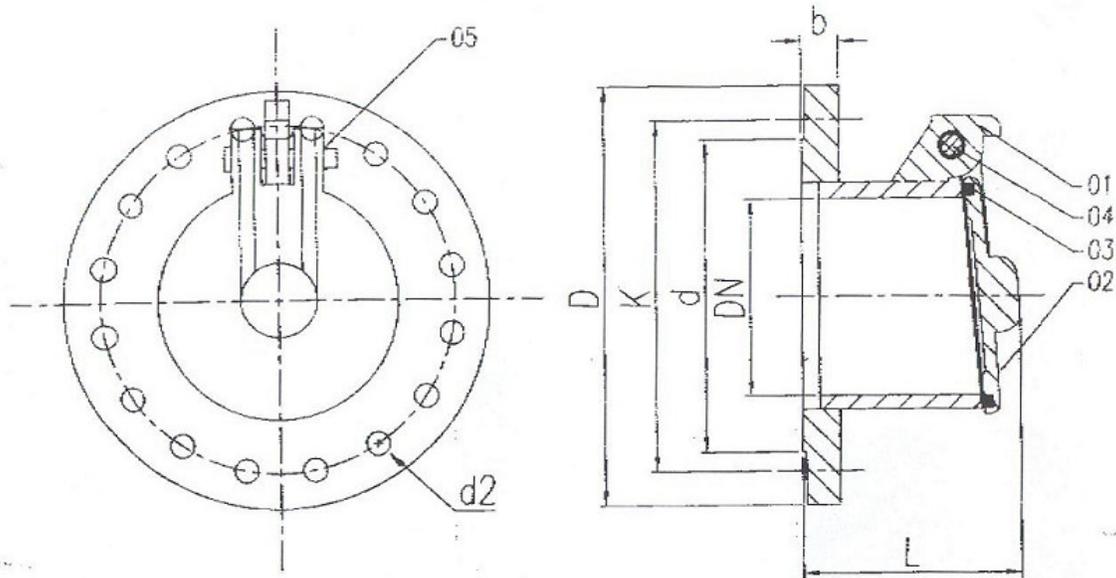
Coating: 300µ Fusion Bonded Epoxy

Flanges: BS4504, DIN2501, ISO7005-1

Pin: Stainless Steel

Pin Holder: Cast Steel

FLAP VALVE



DN	PN10						PN16						PN25						L
	D	K	d	b	d2	nu.	∅	K	d	b	d2	nu.	∅	K	d	b	d2	nu.	
350	505	460	430	25	23	16	520	470	438	30	27	16	555	490	450	40	33	16	200
400	565	515	482	30	27	16	580	525	490	30	30	16	620	550	505	40	36	16	220
450	615	565	532	30	27	20	640	585	550	35	30	20	670	600	550	40	36	20	250
500	670	620	585	30	27	20	715	650	610	35	33	20	730	660	615	45	36	20	280
600	780	725	685	30	30	20	840	770	725	35	36	20	845	770	720	45	39	20	310
700	895	840	800	30	30	24	910	840	795	35	36	24	960	875	820	45	43	24	350
800	1015	950	905	30	33	24	1025	950	900	40	39	24	1085	990	930	50	48	24	390
900	1115	1050	1005	35	33	28	1125	1050	1000	40	39	28	1185	1090	1030	60	48	28	430
1000	1230	1160	1110	35	36	28	1255	1170	1115	45	43	28	1320	1210	1140	60	56	28	470
1100	1340	1270	1228	40	36	32	1355	1270	1220	50	43	32	1420	1310	1240	70	56	32	510
1200	1455	1380	1330	40	39	32	1485	1390	1330	50	48	32	1530	1420	1350	70	56	32	530



Dembla

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