



BUTTERFLY VALVE

DUCTILE IRON DOUBLE FLANGED, GEAR OPERATED, PN16

Model Number: **MV20-241**

FEATURES / CHARACTERISTICS

Design	BS EN 593: 2017;
Rating	PN16
Connection	Flanged to BS EN1092-2, PN16(ex. BS 4504) Top Flange confirm to ISO 5211 Face-to-face dimension to BS EN 558: 2017
Working Medium	Water, Oil and Steam.

Valve inspection and Testing to BS EN 12266-1: 2012
Double Flanged Design, Lever/Gear Operated
Epoxy Coated, Replaceable Liner, EPDM Lined

ON REQUEST

ANSI standards ,Chainwheel Operator, Alternative disc material, Electric / Pneumatic actuators, Other flange standards, Higher sizes (subject to minimum order quantities).

HYDROSTATIC TEST PRESSURE

Shell- 24 bar
Seat- 17.6 bar

WORKING TEMPERATURE

16 Bar -10° C to 110° C water



MATERIAL SPECIFICATIONS

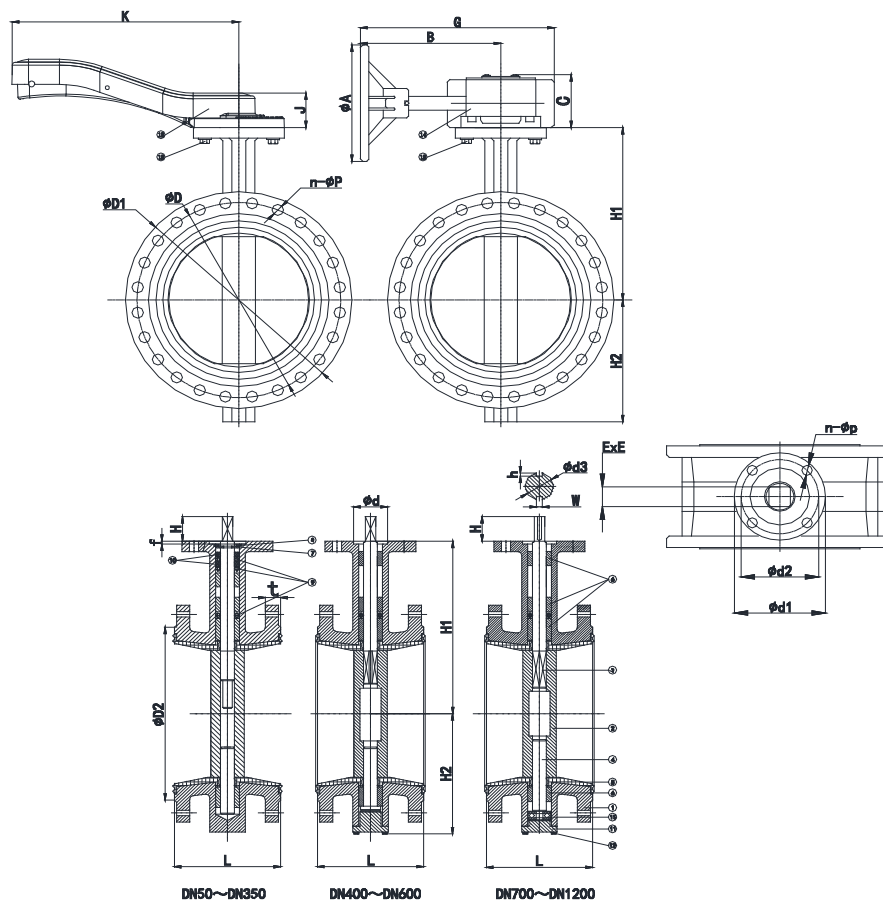
SR.	PARTS	MATERIAL
1	Body	Ductile Iron GGG40
2	Disc	DI+NP/ SS304/SS316
3	Upper Shaft	Stainless Steel
4	Lower Shaft	Stainless Steel
5	Seat	EPDM
6	Bushing	PTFE
7	Cotter Pin	65Mn
8	Circlip	65Mn
9	"O"-Ring	NBR
10	Ring	PA6
11	End Cover	Ductile Iron GGG40
12	Bolt	SS304/SS316
13	Handle	AL102
14	Gearbox	Ductile Iron
15	Pressure Bearing	Bearing Steel



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DIMENSIONS (mm)

Sizes		H1	H2	ØD1	ØD2	ØD	n-ØP	t	Ød	Ød1	Ød2	Ød3	W	h	f	EXE	L	n-Øp	H	ØA	B	C	G	J	K
DN	inch																								
50	2	139	80	165	99	125	4-Ø19	19	56	90	70	-	-	-	3	11	108	4-Ø10	19	134	145	62	205	31	176
65	2½	146	89	185	118	145	4-Ø19	19	56	90	70	-	-	-	3	11	112	4-Ø10	19	134	145	62	205	31	176
80	3	150	95	200	132	160	8-Ø19	19	56	90	70	-	-	-	3	11	114	4-Ø10	19	134	145	62	205	31	176
100	4	177	114	220	156	180	8-Ø19	19	56	90	70	-	-	-	3	11	127	4-Ø10	19	134	145	62	205	36	225
125	5	179	125	250	184	210	8-Ø19	19	56	90	70	-	-	-	3	14	140	4-Ø10	19	134	145	62	205	36	225
150	6	201	139	285	211	240	8-Ø23	19	56	90	70	-	-	-	3	14	140	4-Ø10	19	134	145	62	205	36	225
200	8	230	170	340	266	295	12-Ø23	20	71	125	102	-	-	-	3	17	152	4-Ø12	25	215	216	71	302	40	300
250	10	267	198	405	319	355	12-Ø28	22	71	125	102	-	-	-	3	22	165	4-Ø12	30	215	216	71	302	40	359
300	12	298	223	460	370	410	12-Ø28	24.5	71	125	102	-	-	-	3	22	178	4-Ø12	30	215	216	71	302	40	359
350	14	310	254	520	429	470	16-Ø28	26.5	71	125	102	-	-	-	3	22	190	4-Ø12	40	300	225	84	307	-	-
400	16	340	303	580	480	525	16-Ø31	28	100.5	175	140	-	-	-	4	27	216	4-Ø18	52	300	264	131	375	-	-
450	18	375	340	640	548	585	20-Ø31	30	100.5	175	140	-	-	-	4	27	222	4-Ø18	52	300	264	131	375	-	-
500	20	430	373	715	609	650	20-Ø34	31.5	100.5	175	140	-	-	-	4	27	229	4-Ø18	64	300	264	131	375	-	-
600	24	500	435	840	720	770	20-Ø37	36	130.5	210	165	-	-	-	5	36	267	4-Ø23	70	300	307	138	441	-	-
700	28	560	505	910	794	840	24-Ø37	39.5	200	300	254	63.35	16	6	6	-	292	8-Ø18	65	430	364	159	538	-	-
800	32	620	555	1025	901	950	24-Ø41	43	200	300	254	63.35	16	6	6	-	318	8-Ø18	65	430	364	159	538	-	-
900	36	685	630	1125	1001	1050	28-Ø41	46.5	200	300	254	75	22	9	6	-	330	8-Ø18	125	430	430	228	627	-	-
1000	40	735	695	1255	1112	1170	28-Ø44	50	200	300	254	85	22	9	6	-	410	8-Ø18	142	430	430	228	627	-	-
1200	48	917	805	1485	1328	1390	32-Ø50	57	230	350	298	105	28	10	6	-	470	8-Ø22	142	430	465	253	645	-	-

*All dimensions are nominal (indicative)
Actual dimensions may vary