

# BUTTERFLY VALVE GEAR OPER. FULL FLANGED TYPE



## BH Series

### BH 300 Size: 2"- 8"

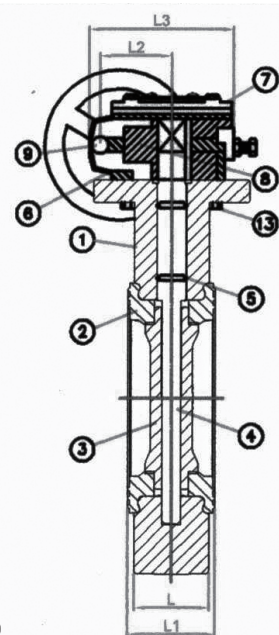
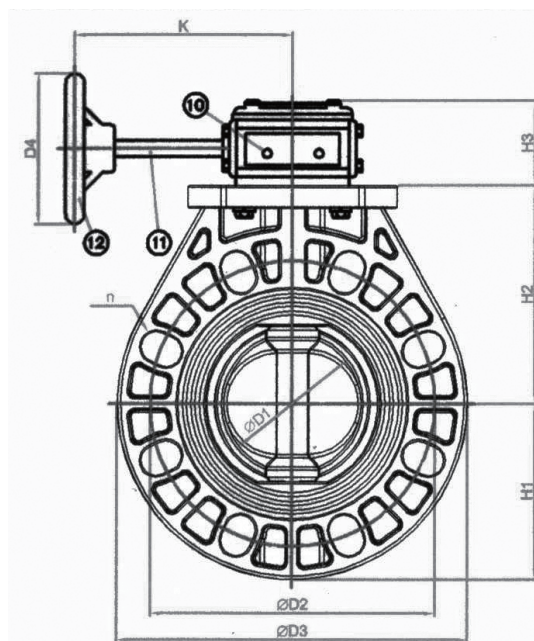
\*OPTION: 2"~8"(DN200)Lever type.

#### MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC, CPVC, PP, PVDF	8	Worm Gear	1	FCD450
2	Seat	1	EPDM, VITON, NBR	9	Bearing	1	SMCM220/420/810
3	Disc	1	UPVC, CPVC, PP, PVDF	10	Adjustable Bolt	2	SUS304
4	Stem	1	SUS410, SUS316, SUS304	11	Worm Shaft	1	S45C
5	Stem O'ring	2	EPDM, VITON	12	Hand Wheel	1	WCB
6	Gear Box	1	FC200	13	Tightening Bolt	4	SUS304, SCM3
7	Gear Box Cap	1	FC200				

#### Torque Values ( 1kgf/m=9.8N.m)

BF-V'S Size	Torque Under Without Any Water Pressure (Kg/m)	Under Water Testing Pressure(Kg/cm <sup>2</sup> )			BF-V'S Size	Torque Under Without Any Water Pressure (Kg/m)	Under Water Testing Pressure(Kg/cm <sup>2</sup> )		
		Water Pressure(Kg/cm <sup>2</sup> )	Open Torque(Kg/m)	Close Torque(Kg/m)			Water Pressure(Kg/cm <sup>2</sup> )	Open Torque(Kg/m)	Close Torque(Kg/m)
2"	1.5	15	0.5	0.5	12"	27.0	6	14	18
2-1/2"	1.5	15	0.5	0.5	14"	37.0	6	25	28
3"	2.0	15	1	1.5	16"	42.0	—	—	—
4"	2.0	12	1	1.5	18"	52.0	—	—	—
5"	5.0	12	2.5	4.5	20"	65.0	—	—	—
6"	6.5	12	4	7	24"	76.0	—	—	—
8"	10.0	10	6	8.5					
10"	17.0	8	7	10					



DN50~DN200

## DIMENSIONS TABLE

JIS															Unit: mm		
Nom. Size DN(inch)	D1	D2	D3	n	øe	L	L1	H1	H2	H3	K	L2	L3	D4	Test Press (kg/cm <sup>2</sup> )		Working Press (kg/cm <sup>2</sup> )
															Body	Seat	
50(2")	55	120	164	4	19	36.1	43.5	82	107	66	132	44	125	150	15.0	12.0	10.0
65(2-1/2")	69.6	140	185	4	19	40	46.4	92	115	66	132	44	125	150	15.0	12.0	10.0
80(3")	78	150	196	8	19	40	47.4	98	123	66	132	44	125	150	15.0	12.0	10.0
100(4")	100	175	225	8	19	48	52.4	112.5	139.5	66	132	44	125	150	15.0	12.0	10.0
125(5")	128	210	254	8	23	52.2	58.8	127	160	66	132	44	125	150	15.0	12.0	10.0
150(6")	152	240	286	8	23	51	57	143	178	66	132	44	125	150	15.0	12.0	10.0
200(8")	200	290	344	12	26	61	67.5	172	212	108	175	95	162	180	15.0	12.0	10.0

ANSI															Unit: inch		
Nom. Size DN(inch)	D1	D2	D3	n	øe	L	L1	H1	H2	H3	K	L2	L3	D4	Test Press (lb/in <sup>2</sup> )		Working Press (lb/in <sup>2</sup> )
															Body	Seat	
50(2")	2.16	4.75	6.46	4	0.75	1.42	1.71	3.23	4.21	2.60	5.20	1.732	4.92	5.91	235	180	150
65(2-1/2")	2.74	5.5	7.28	4	0.75	1.57	1.83	3.62	4.53	2.60	5.20	1.732	4.92	5.91	235	180	150
80(3")	3.07	6.0	7.72	4	0.75	1.57	1.87	3.86	4.84	2.60	5.20	1.732	4.92	5.91	235	180	150
100(4")	3.94	7.5	8.85	8	0.75	1.89	2.06	4.43	5.49	2.60	5.20	1.732	4.92	5.91	235	180	150
125(5")	5.04	8.5	10.0	8	0.87	2.02	2.31	5.00	6.30	2.60	5.20	1.732	4.92	5.91	235	180	150
150(6")	5.98	9.5	11.26	8	0.87	2.01	2.24	5.63	7.00	2.60	5.20	1.732	4.92	5.91	235	180	150
200(8")	7.87	11.75	13.54	8	1.02	2.4	2.66	6.77	8.35	4.25	6.89	3.74	6.38	7.09	235	180	150

DIN															Unit: mm		
Nom. Size DN(inch)	D1	D2	D3	n	øe	L	L1	H1	H2	H3	K	L2	L3	D4	Test Press (bar)		Working Press (bar)
															Body	Seat	
50(2")	55	125	164	4	18	36.1	43.5	82	107	66	132	44	125	150	15.0	12.0	10.0
65(2-1/2")	69.6	145	185	4	18	40	46.4	92	115	66	132	44	125	150	15.0	12.0	10.0
80(3")	78	160	196	8	18	40	47.4	98	123	66	132	44	125	150	15.0	12.0	10.0
100(4")	100	180	225	8	18	48	52.4	112.5	139.5	66	132	44	125	150	15.0	12.0	10.0
125(5")	128	210	254	8	18	51.2	58.8	127	160	66	132	44	125	150	15.0	12.0	10.0
150(6")	152	240	286	8	23	51	57	143	178	66	132	44	125	150	15.0	12.0	10.0
200(8")	200	295	344	8	26	61	67.5	172	212	108	175	95	162	180	15.0	12.0	10.0

- ✖ Standard dimensions based on PVC material.  
The flanged length tolerance is according to EN558-1:1995.
- ✖ L: The suggested length of the valve as installed on pipeline.