

High Performance Butterfly Valve

Fig. 3625/35/45

Specification

Design in accordance with ASME B16.34,API 609,MSS-SP67

Face to face dimensions comply with ANSI B16.10,ISO 5752,API 609,EN 558-1

Flanges comply with EN1092-2,ISO 7005,GB/T 9119

Pressure test according to standards GB/T13927,ISO 5208,API 598

Technical data

Working Pressure: ASME CLASS 150/300/600

(For other specifications, please consult)

Dimensions: DN50~DN600

(For other specifications, please consult)

Test Pressure: Shell: 1.5*WP

Seal: 1.1*WP

Working Temperature: - 40°C ~ 250°C PTFE Seat

- 50°C ~ 600°C Metal Seat

Product Features

- Applications in harsh environments, low torque, good sealing performance;
- Compact design and good control characteristics;
- Prevents reverse shock;
- Integral shaft design for easy maintenance;
- Replaceable valve seats, a variety of seat options, to adapt to a variety of environments;
- Low wear, long life,Valve can be opened quickly;
- Equal percentage characteristic curve for opening angle of 15 °~75 °
- Configurable with multiple actuator controls

Schematic

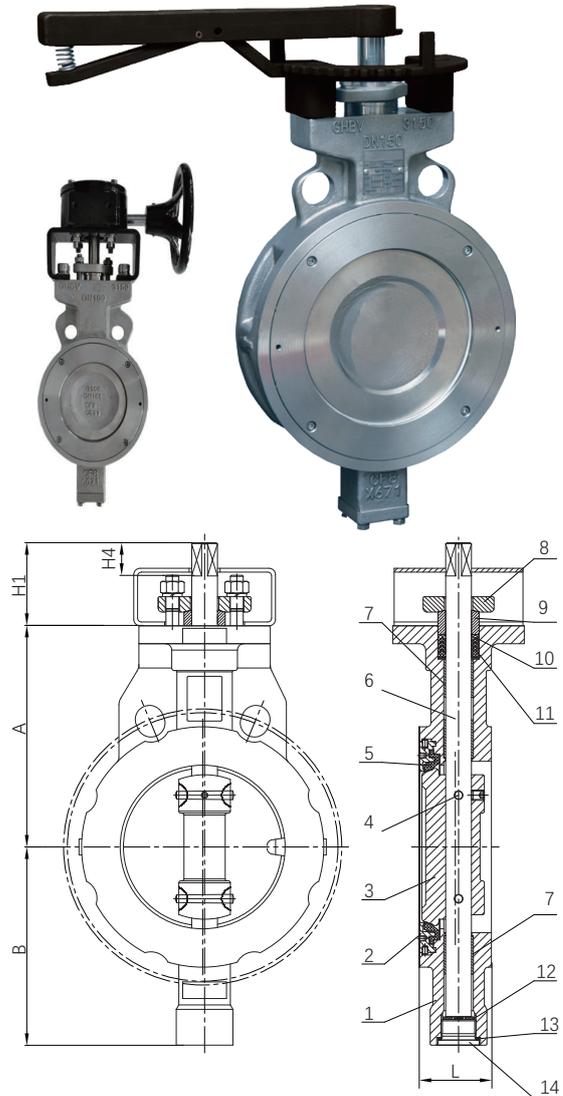


Fig.3635 Wafer Type

Dimensions

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
A		110	124	130	147	167	172	210	250	275	315	350	380	430	490
B		95	110	115	120	150	150	195	230	260	290	340	360	400	480
L		44	46	48	54	57	57	67	71	81	92	102	114	127	154
H1		73	77	77	77	81	81	101	101	115	118	165	180	210	230
L4		14	18	18	18	22	22	32	32	35	38	-/Key	-/Key	-/Key	-/Key

WARCO reserves the right to change dimensions without notice.

Material Specifications

Part Name	Materials	Specification
Body	Ductile Iron	ASTM A536 65-45-12
	Carbon Steel	ASTM A216 WCB
	Stainless Steel	ASTM A351 CF8
	Stainless Steel	ASTM A351 CF8M
	Duplex Stainless Steel	ASTM A240 2205
Disc	Ductile Iron	ASTM A536 65-45-12
	Stainless Steel	ASTM A351 CF8
	Stainless Steel	ASTM A351 CF8M
	Stainless Steel	ASTM A351 CF3M
Seat	Elastic Seal	PTFE / RPTFE
	Metal Seal	AISI 304 / AISI 316
	Alloy	Monel / Inconel
Stem	Stainless Steel	AISI 304 / 316
	Stainless Steel	AISI 630
	Stainless Steel	17-4PH
Packing	PTFE	
Drive unit	Handle, Worm Gear Drive, Electric Drive, Pneumatic Drive	

Schematic

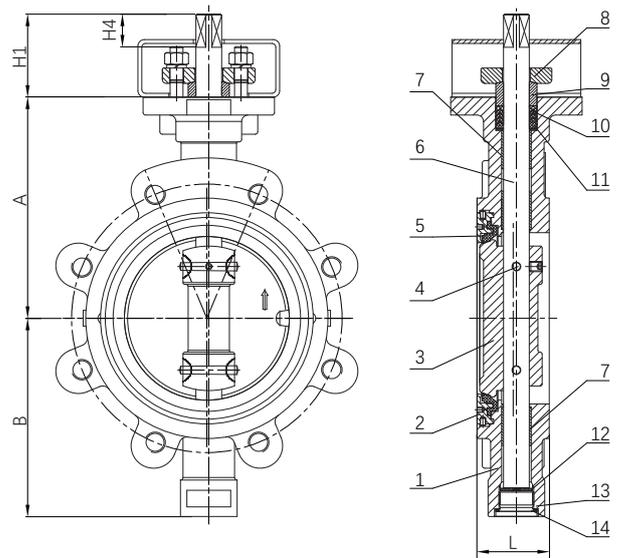


Fig.3645 Lug Type

Dimensions

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
A		110	124	130	147	167	172	210	250	275	315	350	380	430	490
B		95	110	115	120	150	150	195	230	260	290	340	360	400	480
L		44	46	48	54	57	57	67	71	81	92	102	114	127	154
H1		73	77	77	77	81	81	101	101	115	118	165	180	210	230
L4		14	18	18	18	22	22	32	32	35	38	-/Key	-/Key	-/Key	-/Key

WARCO reserves the right to change dimensions without notice.

Schematic

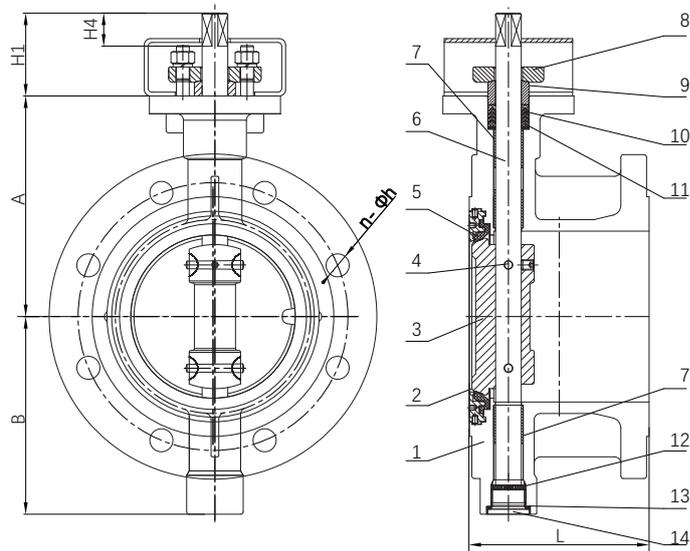


Fig.3625 Double Flanged

Dimensions

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
A		110	124	130	147	167	195	230	270	310	315	350	380	430	490
B		95	110	115	120	150	185	217	250	280	290	340	360	400	480
L		108	112	114	127	140	140	152	165	178	92	102	114	127	154
H1		73	77	77	77	81	81	102	115	118	118	165	180	210	230
L4		14	18	18	18	22	22	33	35	38	38	-/Key	-/Key	-/Key	-/Key

Flow coefficient

DN		Close		Opening angle						Open	
mm	inch	20°	30°	40°	50°	60°	70°	80°	90°		
80	3"	13	22	34	47	63	84	104	108		
100	4"	24	43	64	89	120	159	198	207		
150	6"	71	125	184	255	345	457	570	594		
200	8"	161	283	418	579	781	1037	1292	1346		
250	10"	254	445	657	912	1230	1632	2035	2120		
300	12"	382	668	986	1367	1844	2449	3053	3180		
350	14"	585	1024	1512	2097	2828	3755	4681	4876		
400	16"	814	1425	2103	2917	3935	5224	6513	6784		
450	18"	1107	1937	2859	3965	5349	7101	8853	9222		
500	20"	1399	2449	3615	5014	6763	8978	11194	11660		
600	24"	2162	3784	5586	7749	10452	13875	17299	18020		

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