RFS HYDRAULICS
CREATING OPPORTUNITIES

BUTTERFLY VALVES

ANSI 150# Cast Iron
Lug Type Butterfly Valve

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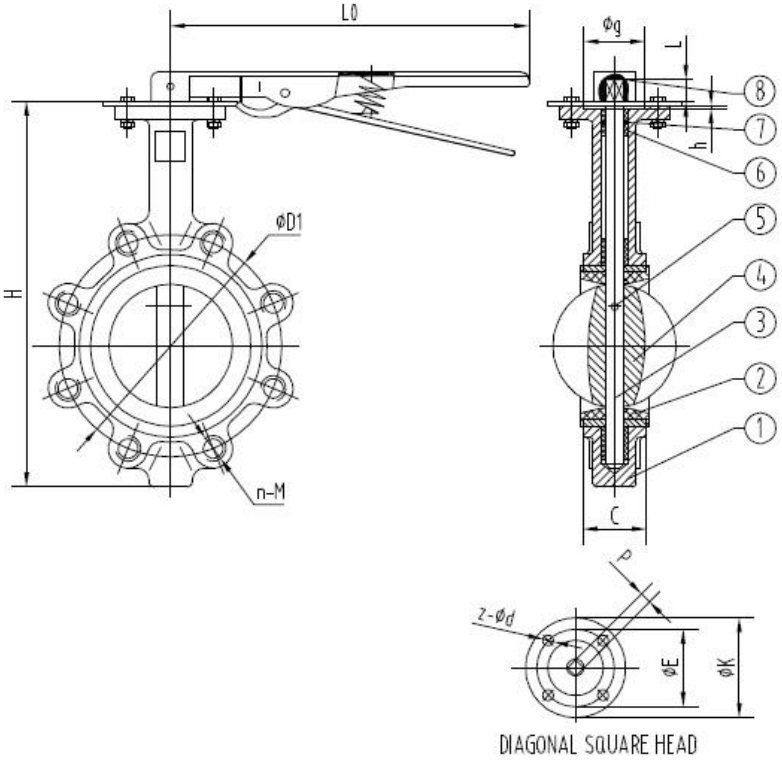
ANSI 150# Cast Iron Lug Type Butterfly Valves

Features

- ANSI 150# Lug Type Connection
- Size: 1 1/2" – 6" (DN40 - DN150)
- Valve Body Material: Cast Iron
- Working Pressure: 150 PSI
- Applicable Medium: General oil, gas and water applications
- Temperature Range: -30°C - 120°C



Material List

No.	Part Name	Material
1	Body	Cast Iron
2	Seat	EPDM
3	Shaft	SS410
4	Disc	CF8
5	Pin	SS304
6	Bushing	Polymers
7	Oring	NBR
8	Handle Lever	Ductile Iron

Technical Specifications

1. Basic design and manufacture according to API 609
2. Face to face dimension: API609
3. Inspection and test: API 598

Main Technical Parameter			
Nominal Pressure		1.6	MPa
Test Pressure	Shell	2.4	
	Sealing	1.76	
Working Temperature		-30 - 120	°C
Applicable Medium: General oil, gas & water			

Ordering Information

VL	-	CI	-	BU	-	L	-	150	-	24
I		II		III		IV		V		VI

I	**Type of Item**
VL	Low Pressure Valves

II	**Material Grade**		
S	SS316, CF8M	CI	Cast Iron
FS	Forged Steel	CS	Cast Steel
B	Brass		

III	**Item**		
GA	Gate Valve	B1	1 PC Ball Valve
GL	Globe Valve	B2	2 PC Ball Valve
YS	Y-Strainer	B3	3 PC Ball Valve
SC	Swing Check Valve	BL	3 Way Ball Valve L Port
VC	Vertical Check Valve	BT	3 Way Ball Valve T Port
WC	Wafer Check Valve	BMF	Male x Female Mini Ball Valve
DD	Dual Disk	BU	Butterfly Valve

IV	**Connection Type**		
SW	S/W	G	BSPP
BW	B/W	N	NPT
R	BSPT	F	Flange End
W	Wafer	L	Lug

V	**Pressure**		
200	200 PSI	2000	2000 PSI
300	300 PSI	150	ANSI 150# Flange Standard
600	600 PSI	10K	JIS 10K Flange Standard
800	800 PSI	PN16	PN 16 Flange Standard
1000	1000 PSI		

For Inch OD & Inch NB Sizes

VI	**Size**							
Size	1/8”	1/4”	5/16”	3/8”	1/2”	5/8”	3/4”	1”
Code	02	04	05	06	08	10	12	16
Size	1 1/4”	1 1/2”	2”	2 1/2”	3”	4”	5”	6”
Code	20	24	32	40	48	64	80	96

VII	**Coating**
(None)	No Additional Coating
NI	Nickel Plating

Dimension List

Size		H	C	L	P	L0	Upper Flange					ANSI 150	
DN	Inches						K	E	z-d	g	h	D1	n-M
40	1 1/2"	214	33.4	24	9	220	65	50	4-7	35	2.2	99	4-1/2"
50	2"	242	35	27	9	220	65	50	4-7	35	2.2	120.5	4-5/8"
65	2 1/2"	265	45	24	9	220	65	50	4-7	35	2.2	139.5	4-5/8"
80	3"	278	45.5	24	9	220	65	50	4-7	35	2.2	152.5	4-5/8"
100	4"	315	51	25	11	255	90	70	4-9	36	2.2	190.5	8-5/8"
125	5"	343	54	25	14	260	90	70	4-9	36	2.2	216	8-3/4"
150	6"	369	55	27	14	260	90	70	4-9	36	2.2	241.5	8-3/4"

Part Number Reference

Part No	Description
VL-CI-BU-L-150-24	1 1/2" 150# CI BUTTERFLY VALVE LUG TYPE, 4 HOLE, CAST IRON BODY, EPDM SEAT, DISC SS304, SHAFT SS410, HANDLE OPERATOR
VL-CI-BU-L-150-32	2" 150# CI BUTTERFLY VALVE LUG TYPE, 4 HOLE, CAST IRON BODY, EPDM SEAT, DISC SS304, SHAFT SS410, HANDLE OPERATOR
VL-CI-BU-L-150-40	2 1/2" 150# CI BUTTERFLY VALVE LUG TYPE, 4 HOLE, CAST IRON BODY, EPDM SEAT, DISC SS304, SHAFT SS410, HANDLE OPERATOR
VL-CI-BU-L-150-48	3" 150# CI BUTTERFLY VALVE LUG TYPE, 4 HOLE, CAST IRON BODY, EPDM SEAT, DISC SS304, SHAFT SS410, HANDLE OPERATOR
VL-CI-BU-L-150-64	4" 150# CI BUTTERFLY VALVE LUG TYPE, 8 HOLE, CAST IRON BODY, EPDM SEAT, DISC SS304, SHAFT SS410, HANDLE OPERATOR
VL-CI-BU-L-150-80	5" 150# CI BUTTERFLY VALVE LUG TYPE, 8 HOLE, CAST IRON BODY, EPDM SEAT, DISC SS304, SHAFT SS410, HANDLE OPERATOR
VL-CI-BU-L-150-96	6" 150# CI BUTTERFLY VALVE LUG TYPE, 8 HOLE, CAST IRON BODY, EPDM SEAT, DISC SS304, SHAFT SS410, HANDLE OPERATOR

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