



LD145 / WD145 SERIES

"Assembled in USA" General Purpose Butterfly Valves

Job Name:	Contractor:
Job Location:	P.O. Number:
Engineer:	Representative:
Tag:	Wholesale Distributor:

DESCRIPTION

The Apollo® LD145/WD145 Series Ductile Iron Butterfly Valves are ideal for use in Industrial and HVAC/Mechanical applications. The WD145 Series is a wafer style valve and the LD145 Series is a lug style.

FEATURES

- Assembled in USA, Pageland, SC
- Compatible with ANSI Class 125 & 150 flanges
- ISO 5211 top plate allows choice of Apollo® pneumatic actuators and manual operators
- Conforms to MSS SP-67 & API 609
- LD145 series suitable for end of line service to rated pressure
- 3" and larger meet performance requirements of AWWA C-504
- Gray, epoxy coated bodies
- Pin-less/bolt-less stem shaft design
- Double-D stem input through 12"

STANDARD MATERIALS

Body: Ductile Iron ASTM A536
 Bushings: Glass reinforced epoxy resin
 Stem Seal: Buna-N
 Shaft: 416 SS ASTM A276 Type 416

PRESSURE RATINGS

- 2" to 12": 200 psi

Valve Size		Operating Torque Rating* (in-lbs.)				Cv Full Open
IN.	DN	ΔP 50	ΔP 100	ΔP 150	ΔP 200	
2	50	100	106	111	117	115
2.5	65	150	163	176	189	196
3	80	207	220	232	244	302
4	100	290	323	357	390	600
5	125	423	481	540	598	1022
6	150	599	691	783	875	1579
8	200	1060	1183	1307	1430	3136
10	250	1671	1872	2074	2275	5340
12	300	2568	2795	3023	3250	8250

* Lubricating media service



MATERIAL OPTIONS

Body

- ☐ Ductile Iron ASTM A536, (65-45-12)

Disc Material

- ☐ Aluminum Bronze
☐ Ductile Iron A536 Nickel Plated
☐ Stainless Steel, CF8M

Seat Material

- ☐ EPDM: -30°F to +275°F (-34°C to +135°C)
☐ BUNA-N: +10°F to +180°F (-12°C to +82°C)
☐ FKM: -15°F to 400°F (-26°C to +204°C)

Operator

- ☐ -0 - None
☐ -1 - 10 Position Handle
☐ -2 - Gear Operator
☐ -3 - Infinite Position Handle
☐ -4 - Locking Handle
☐ -5 - Gear Operator w/ Chain Wheel
☐ -7 - Locking Gear Operator
☐ -8 - Locking Gear Operator w/ Chain Wheel

Size		Valve Weight (lbs.)—Bare Shaft	
IN.	DN	WD145 Series	LD145 Series
2	50	6	9
2.5	65	8	10
3	80	9	11
4	100	11	18
5	125	15	22
6	150	18	26
8	200	32	43
10	250	47	66
12	300	70	102

Conbraco Industries, Inc. 701 Matthews Mint Hill Rd. Matthews NC 28106 USA; www.apollovalves.com ; 704-841-6000

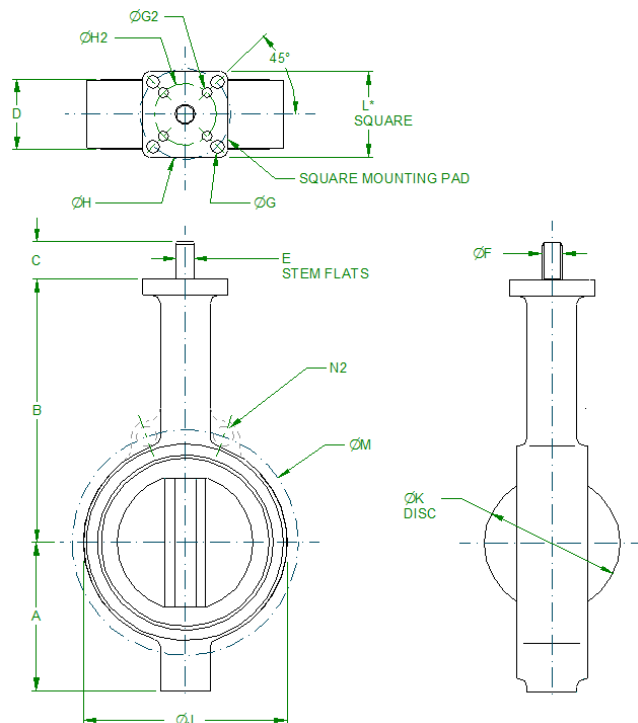
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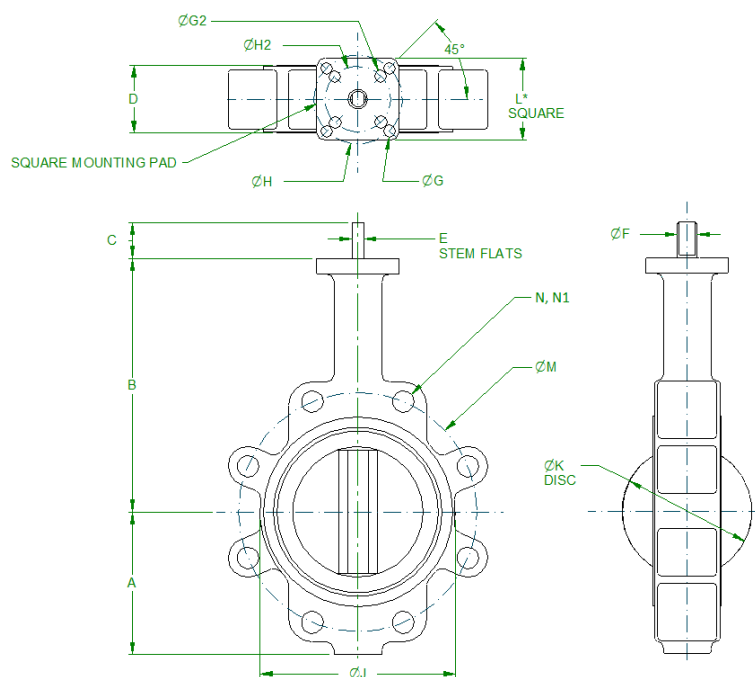
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General Purpose
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DIMENSIONS



WD145 MODEL



LD145 MODEL

DOUBLE-D STEM

(IN)	DN	A	B	C	D	E	ØF	ØG	ØG2	ØH	ØH2	ØJ	ØK	L	ØM	N	No. of Holes	
																	N1	N2
2	50	3.25	6.38	1.25	1.75	0.39	0.5	0.38	--	2.76	--	4.00	2.09	2.7	4.75	5/8"-11 (4X)	4	--
2.5	65	3.75	6.88	1.25	1.88	0.39	0.5	0.38	--	2.76	--	4.75	2.54	2.7	5.50	5/8"-11 (4X)	4	--
3	80	4	7.13	1.25	1.88	0.39	0.5	0.38	--	2.76	--	5.13	3.09	2.7	6.00	5/8"-11 (4X)	4	--
4	100	4.88	7.88	1.25	2.13	0.47	0.62	0.38	--	2.76	--	6.75	4.09	2.7	7.50	5/8"-11 (4X)	8	--
5	125	5.38	8.38	1.25	2.25	0.55	0.75	0.38	--	2.76	--	7.75	4.85	2.7	8.50	3/4"-10 (8X)	8	--
6	150	5.88	8.88	1.25	2.25	0.55	0.75	0.38	--	2.76	--	8.63	6.13	2.7	9.50	3/4"-10 (8X)	8	--
8	200	7.13	10.3	1.75	2.5	0.67	0.87	0.56	0.438	4.92	4.015	10.56	7.89	4.61	11.75	3/4"-10 (8X)	8	2
10	250	8.25	11.5	1.88	2.75	0.87	1.12	0.56	0.438	4.92	4.015	13.06	9.89	4.61	14.25	7/8"-9 (12X)	12	2
12	300	9.75	13.3	1.88	3.13	0.87	1.24	0.56	--	4.92	--	16.00	11.9	4.61	17.00	7/8"-9 (12X)	12	2

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