



LD141 / WD141 SERIES

General Purpose Butterfly Valves

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

DESCRIPTION

The Apollo® LD141/WD141 Series Ductile Iron Butterfly Valves are ideal for use in Industrial and HVAC/Mechanical applications. The WD141 Series is a wafer style valve and the LD141 Series is a companion lug style.

FEATURES

- Compatible with ANSI 125# & 150# Flanges
- ISO 5211 Top Plate Allows Choice of Apollo® Pneumatic Actuators and manual operators
- Optional square drive shaft for direct mounting actuators (2"-12")
- Conforms to MSS SP-67 & API 609
- LD141 Series Suitable for End of Line Service to Rated Pressure
- 3" -24" meet performance requirements of AWWA C-504

STANDARD MATERIALS

Body	Ductile Iron ASTM A536
Bushings	PTFE
Stem Seal	Buna-N
Shaft	416 SS ASTM A276 Type 416

PRESSURE RATINGS

- 2" to 12": 200 psi
- 14" to 24": 150 psi

*TORQUE RATING (INCH-LBS)						FLOW
Valve Size		Full Rated Pressures (psi)				Cv Full Open
IN.	MM	?P 50	?P 100	?P 150	?P 200	
2	50	100	106	11	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
14	350	2640	3070	3500	N/A	11917
16	400	4260	4880	5500	N/A	16388
18	450	6287	7243	8200	N/A	21705
20	500	8360	9180	10000	N/A	27908
24	600	15427	16813	18200	N/A	43116

* 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
- ☐ BUNA-N: +10°F to +180°F

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

VALVE		WEIGHT (LBS)	
IN.	MM	WD141 SERIES	LD141 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	-	102
14	350	-	148
16	400	-	206
18	450	-	277
20	500	-	410
24	600	-	592

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

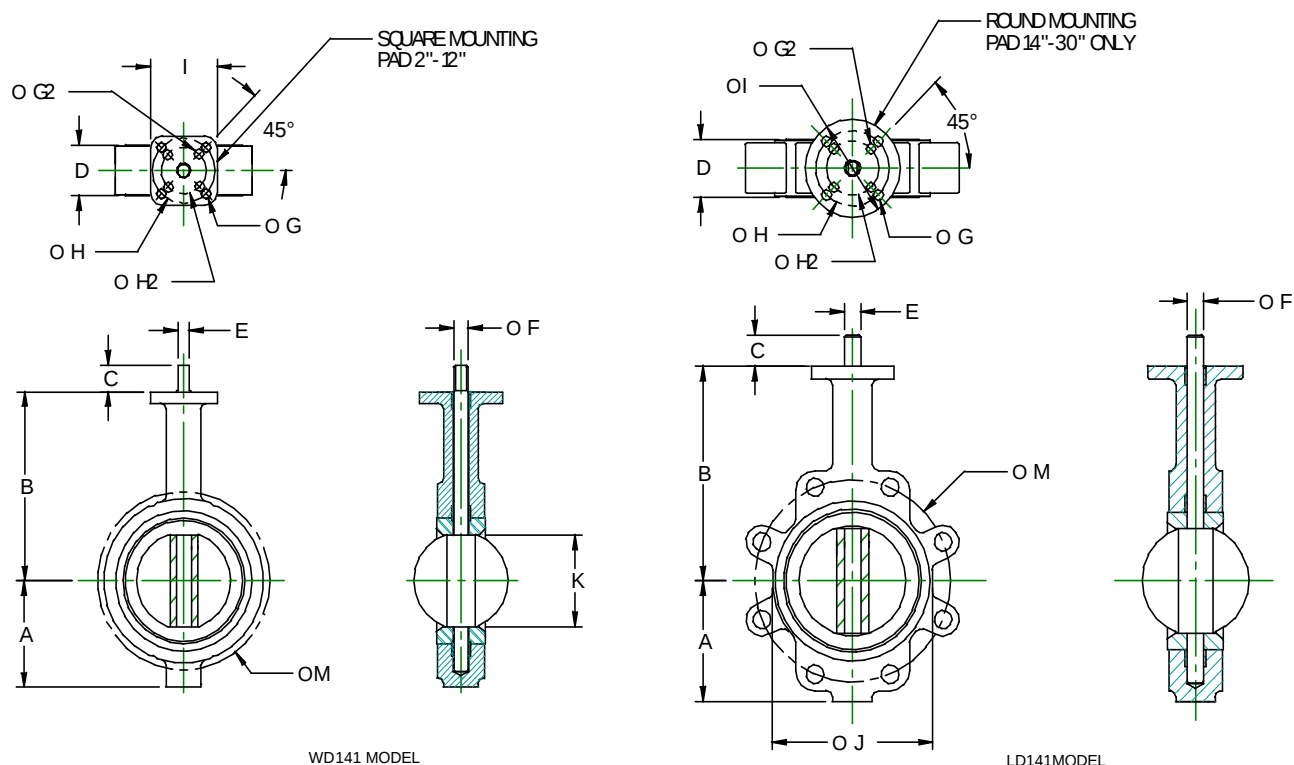
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DIMENSIONS



DOUBLE-D AND KEYED STEM

(IN)	(MM)	A	B	C	D	E	ØF	G	G2	KEY	H	H2	I	J	K	L	N (WD141)	M
2	50	3.25	6.375	1.25	1.75	0.394	0.496	0.375	--	--	2.756	--	2.699	4	2.09	1.113	0.688	4.75
2.5	65	3.75	6.880	1.25	1.88	0.394	0.496	0.375	--	--	2.756	--	2.699	4.75	2.54	1.706	0.688	5.50
3	80	4.00	7.130	1.25	1.88	0.394	0.496	0.375	--	--	2.756	--	2.699	5.13	3.09	2.450	0.688	6.00
4	100	4.88	7.880	1.25	2.13	0.472	0.621	0.375	--	--	2.756	--	2.699	6.75	4.09	3.488	0.688	7.50
5	125	5.38	8.380	1.25	2.25	0.551	0.745	0.375	--	--	2.756	--	2.699	7.75	4.85	4.296	0.813	8.50
6	150	5.88	8.880	1.25	2.25	0.551	0.745	0.375	--	--	2.756	--	2.699	8.63	6.13	5.697	0.813	9.50
8	200	7.13	10.250	1.75	2.50	0.669	0.870	0.563	0.438	--	4.921	4.015	4.606	10.56	7.89	7.468	0.813	11.75
10	250	8.25	11.500	1.88	2.75	0.866	1.120	0.563	0.438	--	4.921	4.015	4.606	13.06	9.89	9.484	0.938	14.25
12	300	9.75	13.250	1.88	3.13	0.866	1.244	0.563	--	--	4.921	--	4.606	16	11.89	11.456	0.938	17.00
14	350	11.00	14.500	1.88	3.13	0.945	1.244	0.563	--	--	4.921	--	Ø5.91	17.13	13.38	13.000	1.060	18.75
16	400	12.00	15.750	2.00	3.50	--	1.313	0.563	--	0.313	4.921	--	Ø5.91	20	15.38	14.970	1.060	21.25
18	450	14.38	16.630	2.00	4.25	--	1.500	0.813	--	0.375	6.496	--	Ø8.27	21.38	17.38	16.847	1.250	22.75
20	500	14.63	18.880	2.50	5.25	--	1.625	0.813	--	0.375	6.496	--	Ø8.27	23.31	19.38	18.650	1.250	25.00
24	600	18.00	22.130	2.75	6.13	--	2.000	0.813	--	0.500	6.496	--	Ø8.27	27.88	23.38	22.558	1.380	29.50

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