

GENERAL PURPOSE/ECONOMY BUTTERFLY VALVES

Apollo® 141/143 Series valves are ideal for use in industrial and HVAC/mechanical markets. 141 Series is a wafer style valve (2" - 30"); 143 Series is a companion lug (2" - 30"). Both are rated at 200 PSI (2"-12") and 150 PSI (14"-30") bubble-tight shut-off between flanges. These valves are designed for reliable performance in hot and cold water applications, treated or untreated, on-off or throttling, control isolation, flow balance or diversion tasks. Valves are 100 percent factory tested in both operational directions. They feature an extended neck length to provide a minimum 2" clearance between valve top plate and pipe flange. 141/143 Series meet MSS SP-67. All 143 series valves are equipped with retainer screws for dead-end service at full rated pressure. Available with three disc materials: Nickel-Plated Ductile Iron, Aluminum Bronze and Stainless Steel. Available with two seat materials: EPDM and Buna-N.

FEATURES

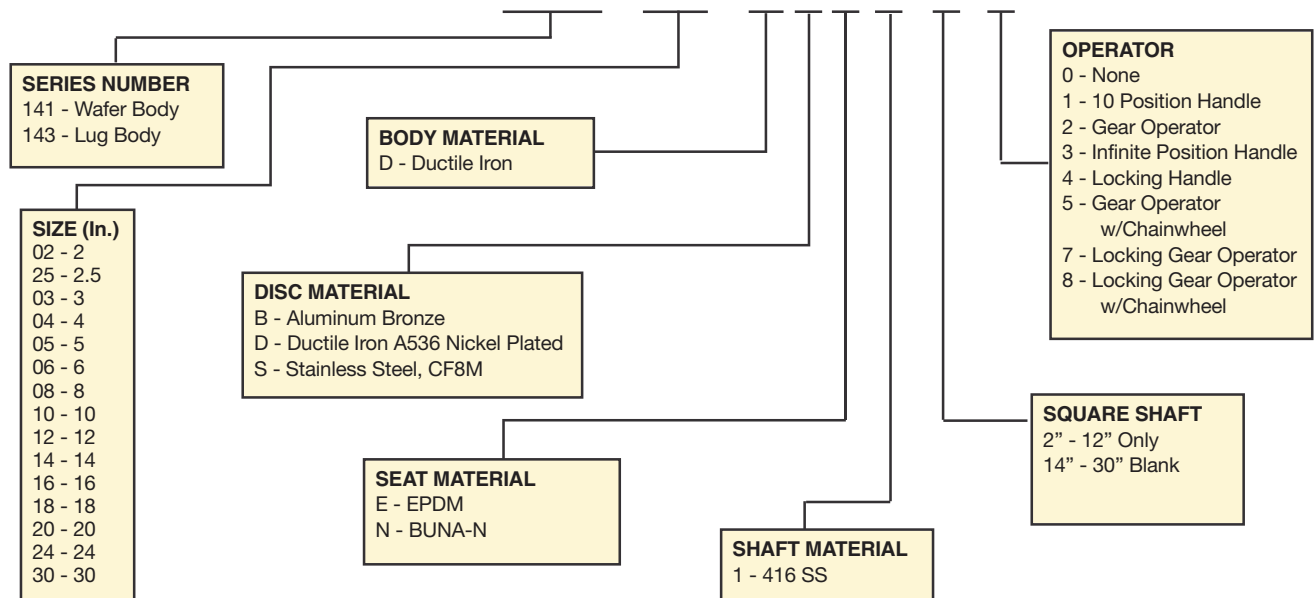
- Ductile iron body ASTM A536
- 416SS shaft
- Compatible with ANSI 125# and 150# flanges
- Sizes 2" to 12" have square drive stem for ease of direct mounting actuators.
- ISO 5211 top plate allows choice of Apollo® actuators and manual operators
- MSS SP67
- AWWA C504 Sec 5



141
Wafer

143
Lug

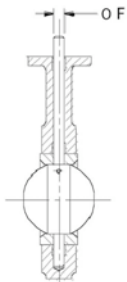
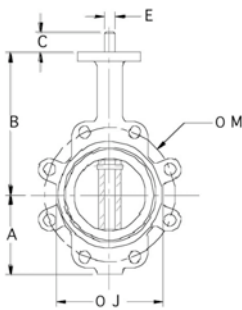
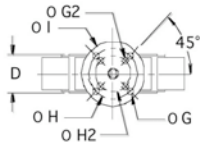
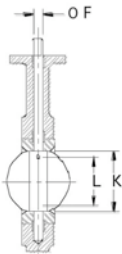
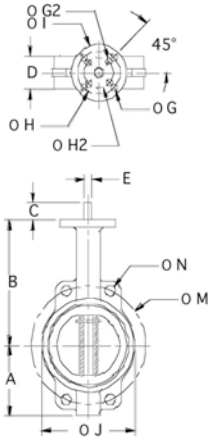
Select the valve model number **1 4 1 - 0 6 - D B E 1 (S) 1**



Butterfly Valves

141/143 SERIES

DOUBLE-D AND KEYED STEM



Size (in)	Size (mm)	Dimensions								
		A	B	C	D	E	ØF	G	G2	Key
2	50	3.25	6.375	1.25	1.75	0.394	0.496	0.375	--	--
2-1/2	65	3.75	6.880	1.25	1.88	0.394	0.496	0.375	--	--
3	80	4.00	7.130	1.25	1.88	0.394	0.496	0.375	--	--
4	100	4.88	7.880	1.25	2.13	0.472	0.621	0.375	--	--
5	125	5.38	8.380	1.25	2.25	0.551	0.745	0.375	--	--
6	150	5.88	8.880	1.25	2.25	0.551	0.745	0.375	--	--
8	200	7.13	10.250	1.75	2.50	0.669	0.870	0.563	0.438	--
10	250	8.25	11.500	1.88	2.75	0.866	1.120	0.563	0.438	--
12	300	9.75	13.250	1.88	3.13	0.866	1.244	0.563	--	--
14	350	11.00	14.500	1.88	3.13	0.945	1.244	0.563	--	--
16	400	12.00	15.750	2.00	3.50		1.313	0.563	--	.313 sq
18	450	14.38	16.630	2.00	4.25		1.500	0.813	--	.375 sq
20	500	14.63	18.880	2.50	5.25		1.625	0.813	--	.375 sq
24	600	18.00	22.130	2.75	6.13		2.000	0.813	--	.500 sq
30	750	25.00	25.500	4.00	6.88	--	2.500	0.813	--	.500 sq

Size (in.)	Dimensions									
	H	H2	I	J	K	L	N (141)	M	# Holes	Tap UNC
2	2.756	--	3.54	4.00	2.09	1.113	0.688	4.75	4	.625-11
2-1/2	2.756	--	3.54	4.75	2.54	1.706	0.688	5.50	4	.625-11
3	2.756	--	3.54	5.13	3.09	2.450	0.688	6.00	4	.625-11
4	2.756	--	3.54	6.75	4.09	3.488	0.688	7.50	8	.625-11
5	2.756	--	3.54	7.75	4.85	4.296	0.813	8.50	8	.750-10
6	2.756	--	3.54	8.63	6.13	5.697	0.813	9.50	8	.750-10
8	4.921	4.015	5.91	10.56	7.89	7.468	0.813	11.75	8	.750-10
10	4.921	4.015	5.91	13.06	9.89	9.484	0.938	14.25	12	.875-9
12	4.921	--	5.91	16.00	11.89	11.456	0.938	17.00	12	.875-9
14	4.921	--	5.91	17.13	13.38	13.000	1.060	18.75	12	1.00-8
16	4.921	--	5.91	20.00	15.38	14.970	1.060	21.25	16	1.00-8
18	6.496	--	8.27	21.38	17.38	16.847	1.250	22.75	16	1.125-7
20	6.496	--	8.27	23.31	19.38	18.650	1.250	25.00	20	1.125-7
24	6.496	--	8.27	27.88	23.38	22.558	1.380	29.50	20	1.125-7
30	10.000	--	11.81	34.38	29.38	28.590	1.380	36.00	24	1.125-7

SQUARE STEM (NOW STANDARD 2" - 12")

Size (in)	Size (mm)	Dimensions								
		A	B	C	D	E	ØF	G	G2	Key
2	50	3.25	6.375	0.60	1.75	0.433	0.433	0.375	--	--
2-1/2	65	3.75	6.880	0.60	1.88	0.433	0.433	0.375	--	--
3	80	4.00	7.130	0.60	1.88	0.433	0.433	0.375	--	--
4	100	4.88	7.880	0.70	2.13	0.433	0.433	0.375	--	--
5	125	5.38	8.380	0.70	2.25	0.551	0.551	0.375	--	--
6	150	5.88	8.880	0.70	2.25	0.551	0.551	0.375	--	--
8	200	7.13	10.250	0.70	2.50	0.669	0.669	0.563	0.438	--
10	250	8.25	11.500	0.81	2.75	0.866	0.866	0.563	0.438	--
12	300	9.75	13.250	0.95	3.13	0.866	0.866	0.563	0.438	--

Size (in.)	Dimensions									
	H	H2	I	J	K	L	N (141)	M	# Holes	Tap UNC
2	2.756	--	3.54	4.00	2.09	1.113	0.688	4.75	4	.625-11
2-1/2	2.756	--	3.54	4.75	2.54	1.706	0.688	5.50	4	.625-11
3	2.756	--	3.54	5.13	3.09	2.450	0.688	6.00	4	.625-11
4	2.756	--	3.54	6.75	4.09	3.488	0.688	7.50	8	.625-11
5	2.756	--	3.54	7.75	4.85	4.296	0.813	8.50	8	.750-10
6	2.756	--	3.54	8.63	6.13	5.697	0.813	9.50	8	.750-10
8	4.921	4.015	5.91	10.56	7.89	7.468	0.813	11.75	8	.750-10
10	4.921	4.015	5.91	13.06	9.89	9.484	0.938	14.25	12	.875-9
12	4.921	--	5.91	16.00	11.89	11.456	0.938	17.00	12	.875-9