

data sheet

LD/WD 151 series

250 CWP resilient seated butterfly valve



lever



gear operator

description

The "Apollo"® LD/WD 151 series ductile iron butterfly valves are ideal for use in industrial, commercial, HVAC and mechanical applications. The WD151 series is a wafer style valve and the LD151 series is a companion lug style. Available in sizes 2" - 24" lug and 2" - 12" wafer.

size range

- 2" - 24"

seat material

- EPDM*: 32°F to 200°F / 0°C to 94°C
- Buna-N (nitrile): 32°F to 180°F / 0°C to 82°C
- *peroxide cured EPDM

compliance

- API 609
- ANSI/FCI 70-2 class VI - shutoff
- ASME B16.1 CL125, B16.5 CL150
- ASME B16.42 CL150
- meets performance requirements of AWWA C504 sect. 5
- AWWA C550 epoxy coating
- ISO 5211 - top plate
- MSS SP-67
- NSF/ANSI/CAN 61 - water quality
- NSF/ANSI/CAN 372 - lead-free

this specification is provided for reference only. we reserve the right to change any portion of this specification without notice and without incurring obligation to make such changes to Aalberts integrated piping systems products previously or subsequently sold.

Aalberts integrated piping systems

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features

- compatible with class 125 & class 150 flanges
- pressure rating: 2" to 24": 250 psi
- vulcanized seat for superior performance
- ISO 5211 top plate allows choice of "Apollo"® pneumatic actuators and gear operators
- suitable for end of line service (lug style) (bi-directional dead end service) to rated pressure (2" - 24")
- extended neck design provides clearance for insulated piping
- 10 position lever handle available through 12"
- gear operators available for all sizes
- body material: ASTM-grade ductile iron body, black epoxy powder coated
- disc material: 316 stainless steel, CF8M is standard
- silicone-free assembly
- 100% factory tested

materials

component	material
body	ductile iron ASTM A536
bushings	Nylon 1010
stem seal	Buna-N
shaft	SS ASTM A276 type 420 (standard)
seat	EPDM (peroxide cured)
	Buna-N (Nitrile)
disc	316 stainless steel / CF8M

operator

-1	10 position lever handle
-2	gear operator

job name	
job location	
engineer	
contractor	
tag	
PO#	
rep	
wholesaler dist	

data sheet

part number matrix (2" - 24")

LD	151	06	S	E	1	1
model	series	size (in.)	disc materials	seat material	shaft	operator
LD - lug body	151 - ductile iron	02 - 2"	S - 316 stainless steel, CF8M	E - black EPDM 32°F to 200°F 0°C to 94°C	1 - 420 SS (standard)	1 - 10 position lever handle
WD - wafer body		25 - 2.5"		N - black Buna-N (nitrile) 32°F to 180°F 0°C to 82°C		2 - gear operator (direct mount)
		03 - 3"				
		04 - 4"				
		05 - 5"				
		06 - 6"				
		08 - 8"				
		10 - 10"				
		12 - 12"				
		14 - 14"				
		16 - 16"				
		18 - 18"				
		20 - 20"				
		24 - 24"				

example: LD151-06-SE-11 = 6"
LD 151 series, ductile iron, lug body,
316 SS disc, black EPDM seat, 420 SS shaft
with 10 position handle

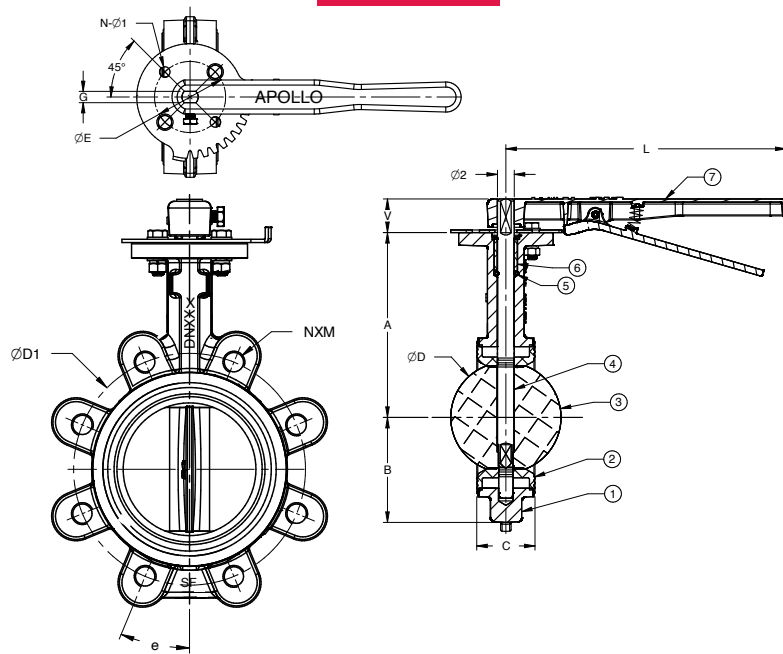
note: WD 151 wafer style is only available in 2" - 12"

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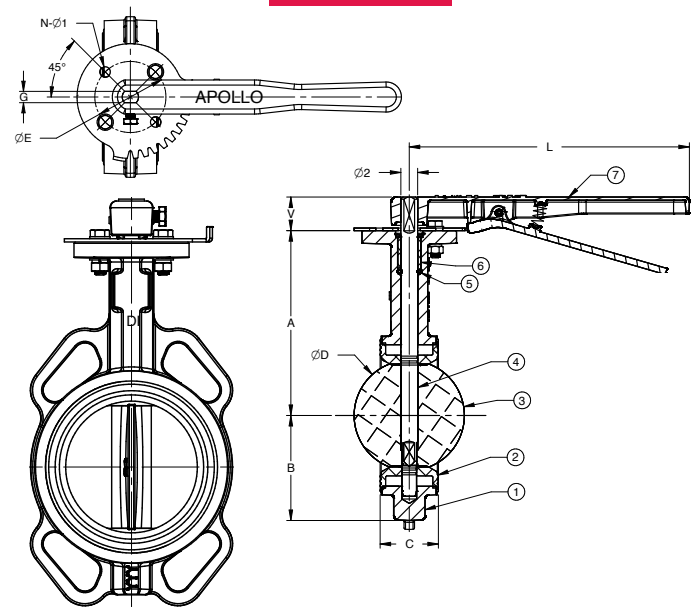
dimensions

lever

lug style



wafer style



inch

lug style part number	wafer style part number	size (in)	A	B	C	ØD	ØD1	e	V	NxM	ØE	N-Ø1	Ø2	G	L	flow (Cv full open)	weight (lug style)	weight (wafer style)
LD15102SE11	WD15102SE11	2"	5.53	2.54	1.69	2.12	4.75*	45°*	1.26	4 X 5/8**	2.76	4-Ø.39	0.55	0.37	10.51	115	9.4 lbs	7.9 lbs
LD15125SE11	WD15125SE11	2 1/2"	6.02	2.83	1.81	2.57	5.50*	45°*	1.26	4 X 5/8**	2.76	4-Ø.39	0.55	0.37	10.51	196	10.8 lbs	9.0 lbs
LD15103SE11	WD15103SE11	3"	6.20	3.39	1.81	3.14	6.00*	45°*	1.26	4 X 5/8**	2.76	4-Ø.39	0.55	0.37	10.51	302	11.3 lbs	10.3 lbs
LD15104SE11	WD15104SE11	4"	6.93	3.94	2.05	4.13	7.50*	22.5°*	1.26	8 X 5/8**	2.76	4-Ø.39	0.63	0.44	10.51	600	17.4 lbs	13.4 lbs
LD15105SE11	WD15105SE11	5"	7.52	4.41	2.20	5.11	8.50*	22.5°*	1.26	8 X 3/4**	2.76	4-Ø.39	0.63	0.44	10.51	1022	22.4 lbs	16.2 lbs
LD15106SE11	WD15106SE11	6"	7.97	5.04	2.20	6.13	9.50*	22.5°*	1.26	8 X 3/4**	2.76	4-Ø.39	0.79	0.50	10.51	1579	24.6 lbs	19.5 lbs
LD15108SE11	WD15108SE11	8"	9.59	6.30	2.36	8.14	11.75*	22.5°*	1.77	8 X 3/4**	4.02	4-Ø.47	1.02	0.81	14.00	3136	41.9 lbs	35.3 lbs
LD15110SE11	WD15110SE11	10"	10.75	7.64	2.68	9.97	14.25*	15°*	1.77	12 X 7/8**	4.02	4-Ø.47	1.02	0.81	14.00	5340	64.0 lbs	50.9 lbs
LD15112SE11	WD15112SE11	12"	12.24	8.78	3.07	11.89	17.00*	15°*	1.77	12 X 7/8**	4.02	4-Ø.47	1.10	0.87	19.29	8250	91.8 lbs	69.8 lbs

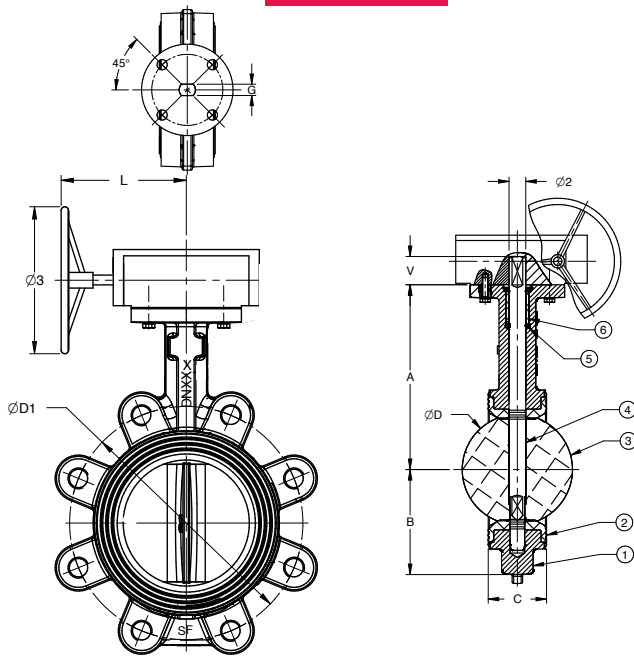
* LD151 series only

data sheet

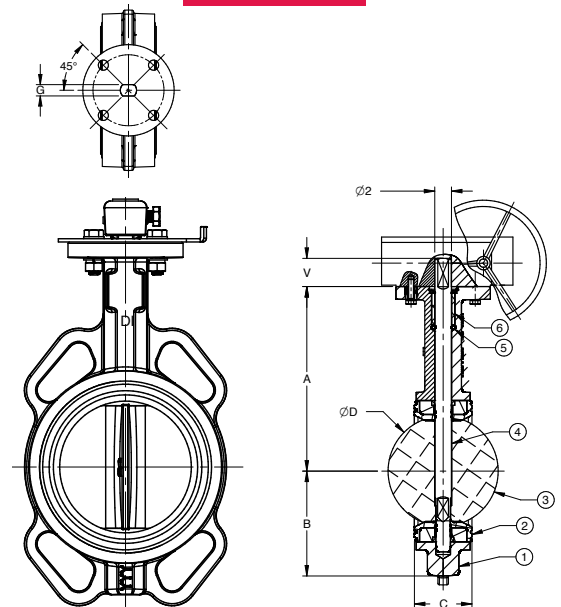
dimensions

gear operator

lug style



wafer style



inch

lug style part number	wafer style part number	size (in)	A	B	C	ØD	ØD1	V	NxM	Ø2	G	L	Ø3	flow (Cv full open)	weight (lug style)	weight (wafer style)
LD15102SE12	WD15102SE12	2"	5.53	2.54	1.69	2.12	4.75*	1.26	4 X 5/8"	0.55	0.37	6.22	5.91	115	14.3 lbs	12.8 lbs
LD15125SE12	WD15125SE12	2 1/2"	6.02	2.83	1.81	2.57	5.50*	1.26	4 X 5/8"	0.55	0.37	6.22	5.91	196	15.7 lbs	14.0 lbs
LD15103SE12	WD15103SE12	3"	6.20	3.39	1.81	3.14	6.00*	1.26	4 X 5/8"	0.55	0.37	6.22	5.91	302	16.2 lbs	15.0 lbs
LD15104SE12	WD15104SE12	4"	6.93	3.94	2.05	4.13	7.50*	1.26	8 X 5/8"	0.63	0.44	6.22	5.91	600	22.5 lbs	18.3 lbs
LD15105SE12	WD15105SE12	5"	7.52	4.41	2.20	5.11	8.50*	1.26	8 X 3/4"	0.63	0.44	6.22	5.91	1022	27.7 lbs	21.1 lbs
LD15106SE12	WD15106SE12	6"	7.97	5.04	2.20	6.13	9.50*	1.26	8 X 3/4"	0.79	0.50	6.22	5.91	1579	29.4 lbs	24.4 lbs
LD15108SE12	WD15108SE12	8"	9.59	6.30	2.36	8.14	11.75*	1.77	8 X 3/4"	1.02	0.81	9.41	11.81	3136	55.0 lbs	48.4 lbs
LD15110SE12	WD15110SE12	10"	10.75	7.64	2.68	9.97	14.25*	1.77	12 X 7/8"	1.02	0.81	9.41	11.81	5340	77.1 lbs	63.9 lbs
LD15112SE12	WD15112SE12	12"	12.24	8.78	3.07	11.89	17.00*	1.77	12 X 7/8"	1.10	0.87	9.02	11.81	8250	111.5 lbs	89.6 lbs
LD15114SE12	-	14"	13.39	10.51	3.07	13.15	18.75*	1.77	12 X 1"	1.24	0.87	9.02	11.81	11917	140.9 lbs	-
LD15116SE12	-	16"	15.75	12.60	4.02	15.34	21.25*	1.89	16 X 1"	1.31	1.06	11.34	14.96	16388	295.2 lbs	-
LD15118SE12	-	18"	16.61	13.58	4.49	17.36	22.75*	1.89	16 X 9/8"	1.50	1.06	11.34	14.96	21705	342.6 lbs	-
LD15120SE12	-	20"	18.90	14.96	5.00	19.39	25.00*	2.76	20 X 9/8"	1.62	-	12.80	14.96	27908	479.9 lbs	-
LD15124SE12	-	24"	22.13	17.36	6.06	23.34	29.50*	2.76	20 X 5/4"	1.99	-	13.39	14.96	443116	687.6 lbs	-

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