Series W-W1911-L/G

Fully Lugged Design Butterfly Valve

Size: DN50-DN150(-L) Lever operated
DN50-DN600(-G) Gear operated

The Watts SeriesW-W1911 butterfly valves are designed and manufactured to meet the stringent requirements of plumbing, HVAC, irrigation, commercial and industrial application. Suitable for use as a bi-directional isolation butterfly valve in dead-end service at full line pressure up to PN16.





Features

- Simple structure, easy to operate
- Simple installation, excellent sealing performance.
- High reliability and long durability
- Position indicators
- Double regulating feature available on request
- Chain wheel operator available upon request

Test Pressures

Shell: 24bar
Seat: 17.6bar

Material

Component	Material
Body	Ductile Iron
Disc	Stainless Steel (SS316) Aluminum Bronze* Ductile Iron (Nickel-plated) Ductile Iron (Epoxy coated)
Seat	EPDM
Stem	Stainless Steel (SS420)

*Contact sales for Aluminum Bronze disc dimensions

Pressure - Temperature

- Nominal Pressure: PN16
- Temperature Range: -20℃~120℃

Specification

- Design Standard: EN 593, BS 5155/ MSS-SP-67
- Connection Standard: ISO7005-2:1998
  BS EN1092:2-1997 PN16
  Fully lugged design
- Test Standard: BS EN12266-1
- Connection Type: Lug Type
- Medium: water

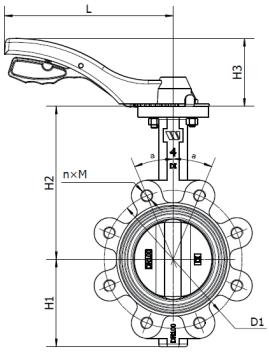
Approval

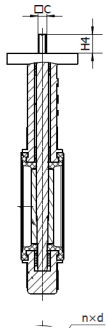
WRAS APPROVED PRODUCT

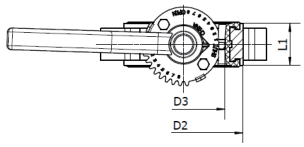
Installation Dimensions

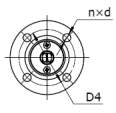
1. Lug-type lever operated midline butterfly valve (W-W1911-L ME)

DN	H1	H2	H3	H4	L	L1	□C	D1	n×m	α	D2	D3	D4	n×ϕd	Torque(N.m)	
															Wet	Dry
50	80	142.7	95	24	215	43	□9	ϕ125	4×M16	45°	ϕ89	ϕ51.7	ϕ70	4×ϕ10	15.1	24.2
65	89	155.4	95	24	215	46	□9	ϕ145	4×M16	45°	ϕ105	ϕ63.3	ϕ70	4×ϕ10	17.2	32.7
80	95	161.8	95	24	215	46	□9	ϕ160	8×M16	22.5°	ϕ120	ϕ77.7	ϕ70	4×ϕ10	23.1	43.7
100	114	177	95	26	215	52	□11	ϕ180	8×M16	22.5°	ϕ148	ϕ103.1	ϕ70	4×ϕ10	39.8	72.8
125	127	189.5	95	26	215	56	□14	ϕ210	8×M16	22.5°	ϕ170	ϕ122.2	ϕ70	4×ϕ10	61.9	108
150	139	204.2	95	26	215	56	□14	ϕ240	8×M20	22.5°	ϕ203	ϕ154.9	ϕ70	4×ϕ10	102	174





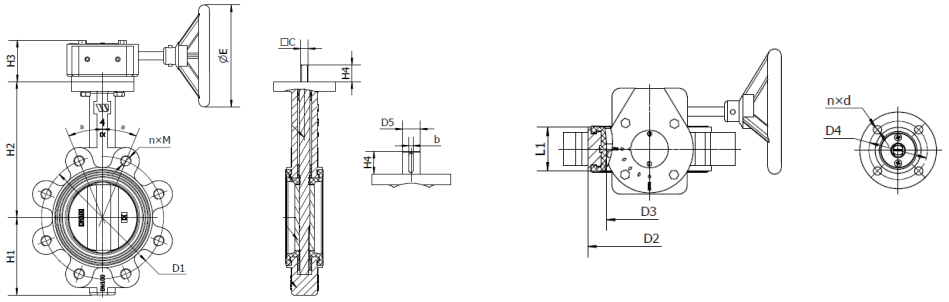




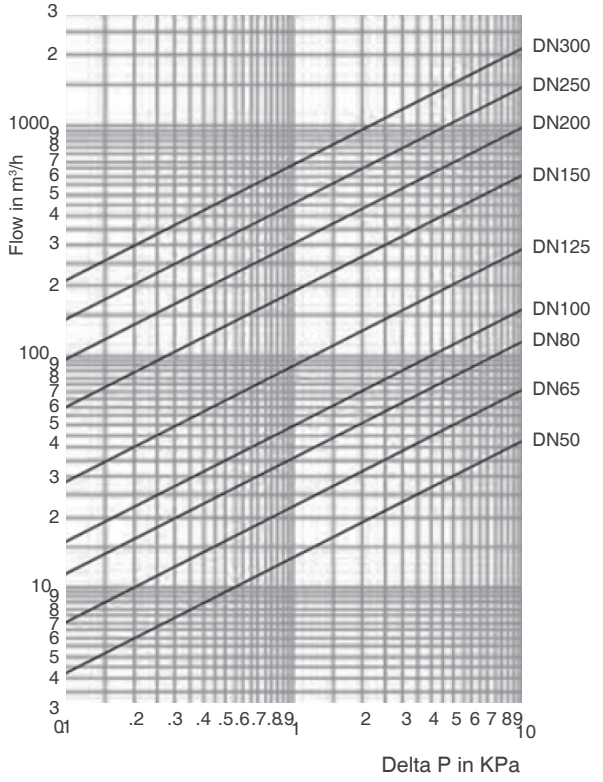
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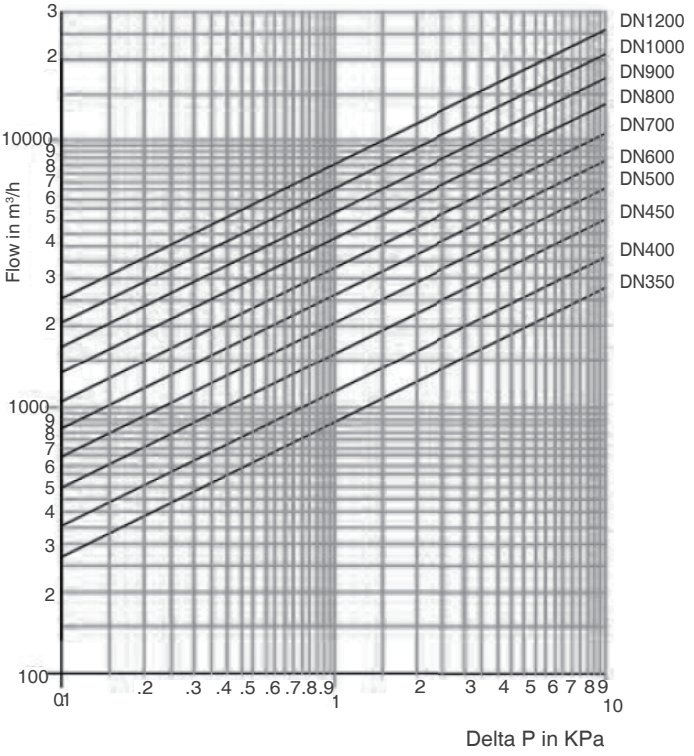
2. Lug-type gear operated midline butterfly valve (W-W1911-G ME)

DN	H1	H2	H3	H4	ϕ E	L1	□C/D5	b	D1	n×m	α	D2	D3	D4	n×ϕ d	Torque(N.m)	
																Wet	Dry
50	62	136	66	24	150	43	□9	-	ϕ 125	4×M16	45°	ϕ 89	ϕ 51.7	ϕ 70	4X ϕ 10	15.1	24.2
65	70	145	66	24	150	46	□9	-	ϕ 145	4×M16	45°	ϕ 105	ϕ 63.3	ϕ 70	4X ϕ 10	17.2	32.7
80	89	151	66	24	150	46	□9	-	ϕ 160	8×M16	22.5°	ϕ 120	ϕ 77.7	ϕ 70	4X ϕ 10	23.1	43.7
100	106	170	66	26	150	52	□11	-	ϕ 180	8×M16	22.5°	ϕ 148	ϕ 103.1	ϕ 70	4X ϕ 10	39.8	72.8
125	119	190	66	26	150	56	□14	-	ϕ 210	8×M16	22.5°	ϕ 170	ϕ 122.2	ϕ 70	4X ϕ 10	61.9	108
150	131	203	66	26	150	56	□14	-	ϕ 240	8×M20	22.5°	ϕ 203	ϕ 154.9	ϕ 70	4X ϕ 10	102	174
200	164	245.5	82	26	298	60	□17	-	ϕ 295	12×M20	15°	ϕ 255	ϕ 201.3	ϕ 102	4X ϕ 12	192	330
250	199	271	82	26	298	68	□22	-	ϕ 355	12×M24	15°	ϕ 303	ϕ 249.4	ϕ 102	4X ϕ 12	323	549
300	230	296	84	26	298	78	□22	-	ϕ 410	12×M24	15°	ϕ 355	ϕ 300.1	ϕ 102	4X ϕ 12	490	799
350	288	368	84	40	298	78	ϕ 31.6$^{0}_{-0.05}$	8	ϕ 470	16×M24	11.25°	ϕ 405	ϕ 331.5	ϕ 102	4X ϕ 14	625	969
400	331	400	120	52	300	102	ϕ 33.15$^{0}_{-0.05}$	10	ϕ 525	16×M27	11.25°	ϕ 470	ϕ 387.5	ϕ 140	4X ϕ 18	846	1307
450	355	422	120	52	300	114	ϕ 38$^{0}_{-0.05}$	10	ϕ 585	20×M27	9°	ϕ 525	ϕ 438.5	ϕ 140	4X ϕ 18	1131	1787
500	388	480	150	64	300	127	ϕ 41.15$^{0}_{-0.05}$	10	ϕ 650	20×M30	9°	ϕ 578	ϕ 488.8	ϕ 140	4X ϕ 18	1431	2288
600	475	562	150	70	300	154	ϕ 50.65$^{0}_{-0.05}$	16	ϕ 770	20×M33	9°	ϕ 693	ϕ 589.9	ϕ 165	4X ϕ 22	2301	3711



Characteristic Curves





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