

Series W-D71A1X-16Q

W-D71A1X/D37A1X-EN-202009

PN16 Wafer Type Butterfly Valve with Lever Handle

Series W-D37A1X-16Q

PN16 Wafer Type Butterfly Valve with Gearbox

Size: DN50-DN300

The Watts Series W-D71A1X & W-D37A1X butterfly valves are designed and manufactured to meet the typical demands of HVAC and general liquid services, that are compatible with the materials of construction.

Pressure-Temperature

- Nominal Pressure: 1600 kPa
- Temperature Range: -6 °C ~ 90 °C

Material

Series W-D71A1X-16Q

No.	Component	Material
1	Handle	Steel with Powder Coating
2	Body	Ductile Iron with Epoxy Coating
3	Seat	EPDM
4	Stem	Stainless Steel
5	Disc	Stainless Steel
6	Notch plate	Stainless Steel
7	Bolt	Stainless Steel
8	Nut	Stainless Steel

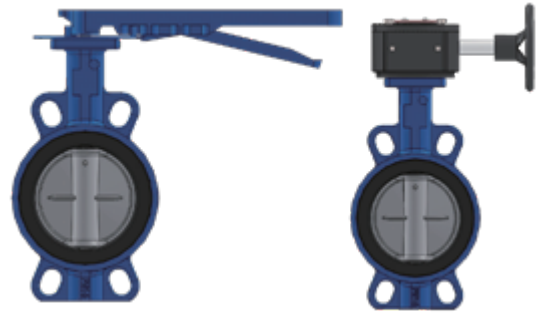
Installation Dimensions

Lever Operated Valve

DN	H1	H2	H3	H4	L1	P	ØD1	Ød1	W°	□A	ØD2	Ød2	□B
50	61	127	22	16	42	190	114	18	90°	9	50	7	50
65	69	137	22	16	45	190	127	18	90°	9	50	7	50
80	89	147	22	16	45	190	146	18	90°	9	50	7	50
100	104	160	30	19	52	225	178	18	45°	11	70	10	70
125	120	178	30	25	55	255	210	18	45°	14	70	10	70
150	132	195	30	25	56	255	235	22	45°	14	70	10	70
200	167	228	64	39	61	355	292	22	45°	17	102	12	102
250	202	265	64	39	66	355	356	22	30°	22	102	12	102
300	239	395	64	39	77	355	406	26	30°	22	125	14	125

Gearbox Operated Valve

DN	H1	H2	H3	H4	L1	P	Ø	W°	ØD1	Ød1	□A	ØD2	Ød2	ØD3
50	61	127	68	16	42	150	150	90°	114	18	9	50	7	50
65	69	137	68	16	45	150	150	90°	127	18	9	50	7	50
80	89	147	68	16	45	150	150	90°	146	18	9	50	7	50
100	104	160	68	19	52	150	150	45°	178	18	11	70	10	70
125	120	178	68	25	55	150	150	45°	210	18	14	70	10	70
150	132	195	68	25	56	150	150	45°	235	22	14	70	10	70
200	167	228	85	39	61	207	285	45°	292	22	17	102	12	102
250	202	265	85	39	66	207	285	30°	356	22	22	102	12	102
300	233	395	85	39	77	213	285	30°	406	26	22	125	14	125



Specification

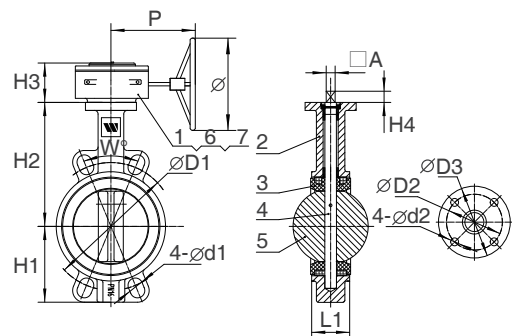
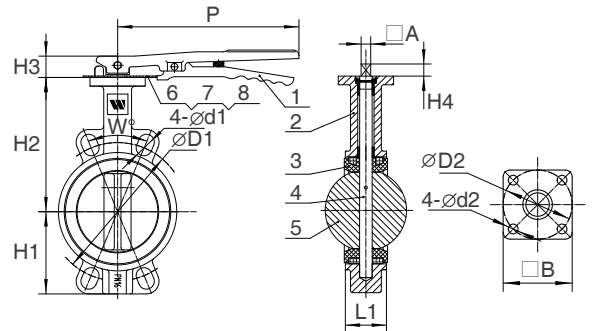
- Nominal Diameter: DN50~DN300 Lever
DN50~DN300 Gear
- Test Standard: ISO5208:2008
- Connection Type: Wafer type to suit Table E flanges
- Working Medium: Non corrosive liquids

Test Pressures

- Body Test: 2400 kPa
- Seat Sealing: 1760 kPa

Series W-D37A1X-16Q

No.	Component	Material
1	Gear Box	Cast Iron
2	Body	Ductile Iron with Epoxy Coating
3	Seat	EPDM
4	Stem	Stainless Steel
5	Disc	Stainless Steel
6	Bolt	Stainless Steel
7	Nut	Stainless Steel



Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



Installation Instructions

1. Compare the rated parameters of the equipment with the rated parameters marked on product, ensure that products meet the requirements of the application.
2. Installation personnel should be trained and experienced, to ensure that the installation is completed correctly.
3. At the end of the installation, check thoroughly to make sure it is installed correctly.
4. In order to ensure the installation work does not cause an accident or operation issue, thoroughly clean the pipe system before the product installation (using chemical reagent if it is necessary). To ensure that the pipeline system is clean of, no corrosion and no dirt, additionally remove all the filters before washing to ensure that the pipeline is unblocked and clean. Advice is to install temporary pipeline in place of device within the installation, then install the equipment into the pipeline after finishing the cleaning work.
5. Notice that the devices must not be used in the applications where the medium is containing a higher viscosity such as oil, mineral oil or is a corrosive medium.
6. If testing the device use the standard nominal connections.