

Series W-W1911-EK

Electric Switch Type Single-clip Midline Butterfly Valve

Series W-W1911-ET

Electric Original Type Single-clip Midline Butterfly Valve

Size: DN50-DN600



Product Functions And Applications

Function: To realize piping media on-off and media flow control.
Application area: urban water supply and industrial & agricultural water transmission pipelines, etc.

Features

- Simple structure and easy operation;
- Simple installation and good sealability;
- Long service life and high reliability;
- Good part Interchangeability;
- Pinless and backless structure adopted makes sealing more reliable.

Working Principles

The rotation of the sealing butterfly plate is controlled by the electric head or handle to control the opening and closing of the valve and to regulate the flow rate.

Technical Parameters Of Electric Device

- Power voltage: 220VAC (380VAC, 24V AC/DC please consult)
- Protection class: IP67
- Ambient temperature: -25°C ~+70°C
- Stroke limit: bidirectional adjustable stroke $\pm 4^\circ$
- Motor: insulation class F, built-in overheat protection
- Feedback: switch type passive feedback, control type 4-20mA (0-10V, 2-10V, specify before ordering)
- Anti-condensation: heat dehumidifier
- Other: externally led cable, with waterproof press-type quick coupling cable connector; handwheel operation, fault feedback options

Model		Torque N.m	Switch Time S	Power W	Corresponding butterfly valve size
Switch type	Control type				
W-AA1S-5	W-AA1M-5	50	30	10	DN50-100
W-AA1S-10	W-AA1M-10	100	20	30	DN125
W-AA1S-16	W-AA1M-16	160	30	30	DN150
W-AA1S-25	W-AA1M-25	250	30	40	DN200
W-AA1S-60	W-AA1M-60	600	30	90	DN250-300
W-AA1S-100	W-AA1M-100	1000	30	150	DN350
W-AA1S-200	W-AA1M-200	2000	60	150	DN400-450
W-AA1S-350	W-AA1M-350	3500	70	200	DN500-600

Installation Dimensions

- (1) Compare the rated parameters required by the equipment with the rated parameters indicated on the product to ensure that the product meets the necessary requirements;
- (2) Installers shall be subject to training and with experience to ensure that the installation is completed successfully;
- (3) Thorough inspection shall be carried out at the end of the installation to ensure that the installation has been carried out correctly;
- (4) Valve installation direction: the handwheel can be installed horizontally or upwards, instead of downwards;
- (5) To ensure that there is no accident in the installation work, the piping system shall be thoroughly cleaned (using chemical reagents if necessary) before the installation of the product so as to make sure that the piping system is clean, free of corrosion and dirt, and all filtering devices shall be removed to make sure that the piping is smooth before flushing;
- (6) It is recommended to install temporary pipes at the pipe installation position of the equipment during the initial cleaning of the system, and then install the equipment on the pipe after the flushing work is completed;
- (7) It shall be noted that the equipment shall not be used in places where the media contain more grease, mineral oil and others with high viscosity or corrosion;
- (8) Flanges and corresponding bolts conforming to standards shall be used for securing;

Typical Applications

- Water plant and water source works
- Environmental protection
- Municipal facilities
- Power and utilities
- Building industry
- Steel & iron and metallurgy
- Papermaking industry
- Food and beverage

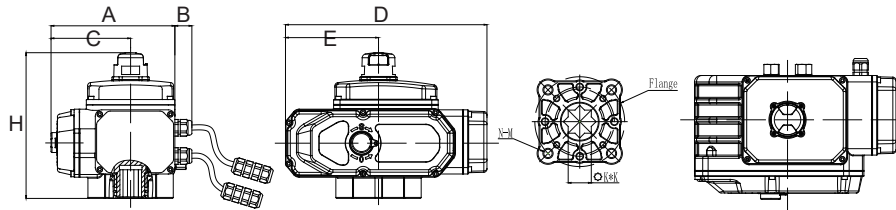
Technical parameters

- Nominal diameter: DN50~DN600
- Maximum working pressure: PN16
- Operating temperature: -15°C~120°C
- Liquid media: water
- Connection type: single-clip type
- Connection standard: GB/T 17241.6
- Test standard: GB/T 13927-2008

Material

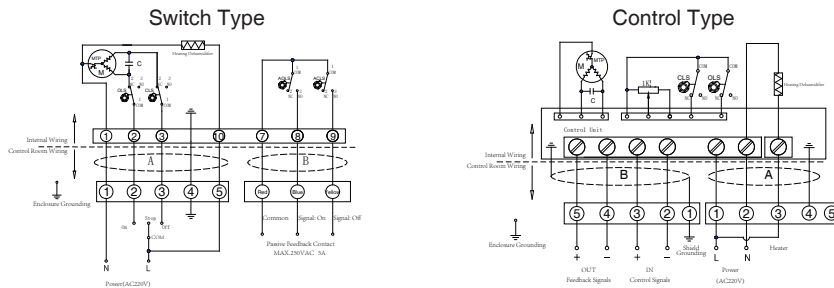
Component	Material
Body	Ductile cast iron QT450-10 surface epoxy spraying
Valve flap	Stainless steel CF8 Ductile cast iron QT450-10 surface epoxy spraying
Seat	Rubber EPDM
Stem	Stainless steel 2Cr13

Overall Dimensions Of Electric Device

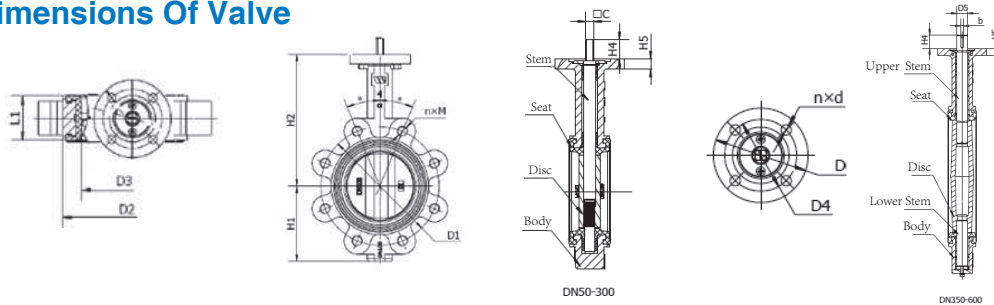


Model	Flange	A	B	C	D	E	H	
W-AA1S-5	W-AA1M-5	F03.F05.F07	113	26.5	70.5	178	87	157.5
W-AA1S-10	W-AA1M-10	F05.F07	124.5	26.5	82.5	217	105	175.5
W-AA1S-16	W-AA1M-16	F05.F07	124.5	26.5	82.5	217	105	175.5
W-AA1S-25	W-AA1M-25	F07.F10.F12	166	26.5	104	291	140	194.5
W-AA1S-60	W-AA1M-60	F07.F10.F12	166	26.5	104	291	140	194.5
W-AA1S-100	W-AA1M-100	F12orF10.F14	198	26.5	124	314	145	236.5
W-AA1S-200	W-AA1M-200	F12orF10.F14	198	26.5	124	314	145	236.5
W-AA1S-350	W-AA1M-350	F14orF12.F16	242	26.5	139.5	341	150	267
W-AA1S-400	W-AA1M-400	F16.F25	266	26.5	155	439	189	347

Wiring Diagram



Overall Dimensions Of Valve



DN	H1	H2	H4	H5	L1	□ C/D6	b	D2	D3	D1	n×M	a	D4	n×d	D
50	68	142.7	24	12	43	□ 9	/	φ 93	φ 51.7	φ 125	4XM16	45°	φ 70	4X φ 10	φ 92
65	77	155.4	24	13	46	□ 9	/	φ 105	φ 63.3	φ 145	4XM16	45°	φ 70	4X φ 10	φ 92
80	89	161.8	24	14	46	□ 9	/	φ 120	φ 77.7	φ 160	8XM16	22.5°	φ 70	4X φ 10	φ 92
100	103	177	26	14	52	□ 11	/	φ 148	φ 103.1	φ 180	8XM16	22.5°	φ 70	4X φ 10	φ 92
125	119	189.5	26	14	56	□ 14	/	φ 170	φ 122.2	φ 210	8XM16	22.5°	φ 70	4X φ 10	φ 92
150	133	204.2	26	14	56	□ 14	/	φ 203	φ 154.9	φ 240	8XM20	22.5°	φ 70	4X φ 10	φ 92
200	162.5	236	33	14	60	□ 17	/	φ 255	φ 201.3	φ 295	12XM20	15°	φ 102	4X φ 12	φ 125
250	197.5	266.3	26	14	68	□ 22	/	φ 309	φ 249.4	φ 355	12XM24	15°	φ 102	4X φ 12	φ 125
300	231	306.5	26	19	78	□ 22	/	φ 359	φ 300.1	φ 410	12XM24	15°	φ 102	4X φ 12	φ 140
350	280	328	40	20	78	φ 31.6	8	φ 408	φ 331	φ 470	16XM24	11.25°	φ 125	4X φ 14	φ 150
400	315	376	52	20	102	φ 33.15	10	φ 472	φ 387	φ 525	16XM27	11.25°	φ 140	4X φ 18	φ 175
450	345	407	52	22	114	φ 38	10	φ 528	φ 437.5	φ 585	20XM27	9°	φ 140	4× φ 18	φ 175
500	383	433	64	22	127	φ 41.15	10	φ 582	φ 487.8	φ 650	20XM30	9°	φ 165	4× φ 22	φ 210
600	475	508	70	22	154	φ 50.65	16	φ 675	φ 575.1	φ 770	20XM33	9°	φ 165	4× φ 22	φ 210