

## Series W-W1111-EK/ET

### On-off/Regulating Electric 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

### Material

Component	Material
Body	Ductile cast iron QT450-11 surface epoxy spraying
Valve flap	Stainless steel CF8 Ductile cast iron QT450-10 surface epoxy spraying
Seat	Rubber EPDM
Stem	Stainless steel 2Cr13

### 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  $\pm 4$ .
- 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;



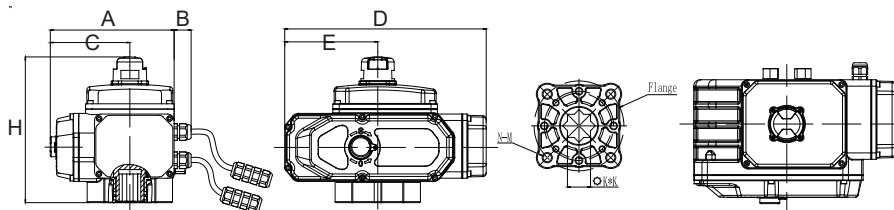
### Typical Applications

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

### Working Principles

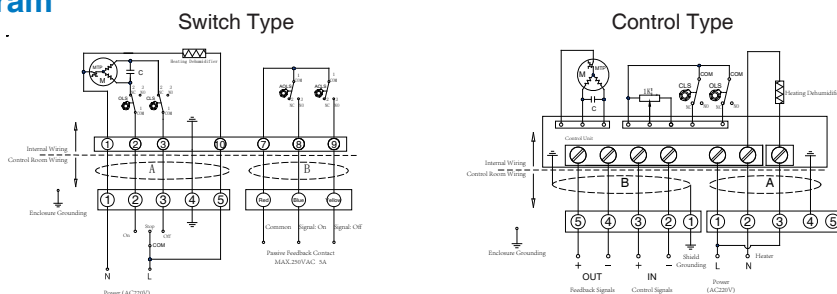
The rotation of the sealing butterfly plate is controlled by the electric head or handle to control the opening and closing of the valve and to regulate the flow rate.

## Overall Dimensions Of Electric Device

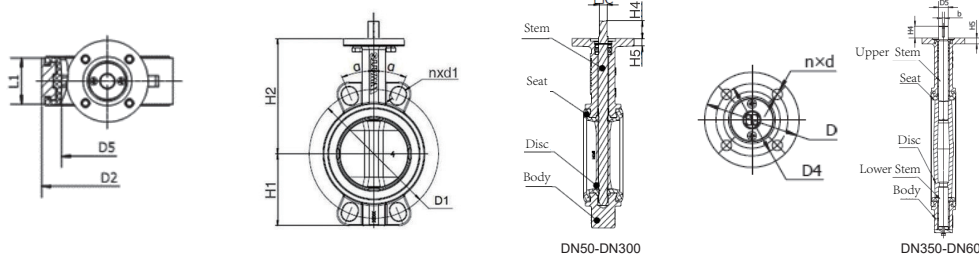


Model		Flange	A	B	C	D	E	H
W-AA1S-5	W-AA1M-5	F03.F05.F07	113	26.5	70.5	178	87	157.5
W-AA1S-10	W-AA1M-10	F05.F07	124.5	26.5	82.5	217	105	175.5
W-AA1S-16	W-AA1M-16	F05.F07	124.5	26.5	82.5	217	105	175.5
W-AA1S-25	W-AA1M-25	F07.F10.F12	166	26.5	104	291	140	194.5
W-AA1S-60	W-AA1M-60	F07.F10.F12	166	26.5	104	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	D5	D1	nxd1	a	D4	nxd	D
50	62	136	24	13	43	□ 9	/	φ 91	φ 54	φ 125	4X φ 19	45°	φ 70	4X φ 10	φ 92
65	70	145	24	13	46	□ 9	/	φ 108	φ 70	φ 145	4X φ 19	45°	φ 70	4X φ 10	φ 92
80	89	151	24	13	46	□ 9	/	φ 123	φ 85	φ 160	4X φ 19	22.5°	φ 70	4X φ 10	φ 92
100	106	170	26	13	52	□ 11	/	φ 150	φ 100	φ 180	4X φ 19	22.5°	φ 70	4X φ 10	φ 92
125	119	190	26	13	56	□ 14	/	φ 178	φ 128	φ 210	4X φ 19	22.5°	φ 70	4X φ 10	φ 92
150	131	203	26	13	56	□ 14	/	φ 205	φ 155	φ 240	4X φ 23	22.5°	φ 70	4X φ 10	φ 92
200	164	245.5	33	17	60	□ 17	/	φ 262	φ 200	φ 295	4X φ 23	15°	φ 102	4X φ 12	φ 125
250	199	271	27	17	68	□ 22	/	φ 314	φ 250	φ 355	4X φ 28	15°	φ 102	4X φ 12	φ 125
300	230	296	27	17	78	□ 22	/	φ 366	φ 300	φ 410	4X φ 28	15°	φ 102	4X φ 12	φ 140
350	280	328	40	20	78	φ 31.6	8	φ 408	φ 331	φ 470	4X φ 28	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	4X φ 31	11.25°	φ 140	4X φ 18	φ 175
450	345	407	52	20	114	φ 38	10	φ 528	φ 437.5	φ 585	4X φ 31	9°	φ 140	4X φ 18	φ 175
500	383	433	64	22	127	φ 41.15	10	φ 582	φ 487.5	φ 650	4X φ 34	9°	φ 165	4X φ 22	φ 210
600	475	508	70	22	154	φ 50.65	16	φ 675	φ 575.1	φ 770	20X φ 37	9°	φ 165	4X φ 22	φ 210