

NOM...H...SERIES

ELECTRIC ACTUATORS FOR BUTTERFLY VALVES

NOM...H... series electric actuators for butterfly valves are suitable for V8 and V9 series, which are used in water systems such as buildings/public buildings/urban pipe networks control, it's possible to offer ON-OFF control and modulating control as option, and 4~20mA, 0~10V/2~10V signals are available for the modulating control.



Technical Data

Electrical data

Power Supply	AC220V±10% 50/60HZ
Limit switch	2×SPDT, 250V AC 5A
Auxiliary switch	2×SPDT, 250V AC 5A
Cable entries	2×M20*1.5
ON-OFF Type (NOM...)	Input signal: ON-OFF; Output signal: ON-OFF+Dry contact
Modulating Type (NOM...P)	Input signal: 4~20mA(Default), 0~10V/2~10V/0~20mA adjustable Output signal: Dry contact+ 4~20mA(Default), 0~10V/2~10V/0~20mA adjustable

Functional data

Torque range	50-5000Nm
Angle of rotation	90°
Manual operation	Handwheel
Mounting base	ISO5211 standard
Position indicator	3D indicator

Safety

Degree of protection	IP67, (IP68 as option)
CE	EMC: 2014/30/EU LVD: 2014/35/EU
Ambient temperature	-30℃~65℃
Thermal protection	Built-in thermal protection starting 125℃±5℃
Status of power Lost	Stop
Status of signal Lost	4~20mA/2~10V: Fully open/Fully closed adjustable(Default: Stop) 0~10V: Fully closed
Double anti-condensation protection	Heater AC220V, 5W Anti-condensation Vent plug
counter unit	Built-in counter unit to record the running times (200Nm-5000Nm)

Order Code

NOM 16 H 0050 P B

Without symbol: Standard connection; B: Different connections based on the same torque(NOMH16H2000 only)

Control Mode: Without symbol: ON-OFF P: Modulating

Output torque: 0050:50Nm;...5000:5000Nm

New Generation

Pressure: 16:PN16 25:PN25

Electric actuator for butterfly valve

Matching table of V9BFW(L) Series Wafer/Lug butterfly valve and Electric actuator (PN16)

(Close-off pressure of below items:1000kpa)

Size	Valve items	Actuator items (ON-OFF)	Actuator items (Modulating)	Torque (Nm)	Running time (50Hz)	Motor Consumption (VA)	Heater (W)
DN50	V9BFW(L)16-050(-2)	NOM16H0050	NOM16H0050P	50	20	48	5
DN65	V9BFW(L)16-065(-2)	NOM16H0050	NOM16H0050P	50	20	48	5
DN80	V9BFW(L)16-080(-2)	NOM16H0050	NOM16H0050P	50	20	48	5
DN100	V9BFW(L)16-100(-2)	NOM16H0050	NOM16H0050P	50	20	48	5
DN125	V9BFW(L)16-125(-2)	NOM16H0080	NOM16H0080P	80	30	48	5
DN150	V9BFW(L)16-150(-2)	NOM16H0200	NOM16H0200P	200	30	92	5
DN200	V9BFW(L)16-200(-2)	NOM16H0200	NOM16H0200P	200	30	92	5
DN250	V9BFW(L)16-250(-2)	NOM16H0400	NOM16H0400P	400	30	136	5
DN300	V9BFW(L)16-300(-2)	NOM16H0400	NOM16H0400P	400	30	136	5
DN350	V9BFW(L)16-350(-2)	NOM16H0800	NOM16H0800P	800	35	220	5
DN400	V9BFW(L)16-400(-2)	NOM16H0800	NOM16H0800P	800	35	220	5
DN450	V9BFW(L)16-450(-2)	NOM16H2000	NOM16H2000P	2000	70	286	5
DN500	V9BFW(L)16-500(-2)	NOM16H2000	NOM16H2000P	2000	70	286	5
DN600	V9BFW(L)16-600(-2)	NOM16H2000B	NOM16H2000PB	2000	70	286	5
DN700	V9BFW(L)16-700(-2)	NOM16H4000	NOM16H4000P	4000	140	286	5
DN800	V9BFW(L)16-800(-2)	NOM16H5000	NOM16H5000P	5000	140	286	5

Matching table of V9BFF Series Flange butterfly valve and electric actuator (PN16)

(Close-off pressure of below items:1000kpa)

Size	Valve items	Actuator items (ON-OFF)	Actuator items (Modulating)	Torque (Nm)	Running time (50Hz)	Motor Consumption (VA)	Heater (W)
DN50	V9BFF16-050(-2)	NOM16H0050	NOM16H0050P	50	20	48	5
DN65	V9BFF16-065(-2)	NOM16H0050	NOM16H0050P	50	20	48	5
DN80	V9BFF16-080(-2)	NOM16H0050	NOM16H0050P	50	20	48	5
DN100	V9BFF16-100(-2)	NOM16H0050	NOM16H0050P	50	20	48	5
DN125	V9BFF16-125(-2)	NOM16H0080	NOM16H0080P	80	30	48	5
DN150	V9BFF16-150(-2)	NOM16H0200	NOM16H0200P	200	30	92	5
DN200	V9BFF16-200(-2)	NOM16H0200	NOM16H0200P	200	30	92	5
DN250	V9BFF16-250(-2)	NOM16H0400	NOM16H0400P	400	30	136	5
DN300	V9BFF16-300(-2)	NOM16H0400	NOM16H0400P	400	30	136	5
DN350	V9BFF16-350(-2)	NOM16H0800	NOM16H0800P	800	35	220	5
DN400	V9BFF16-400(-2)	NOM16H1000	NOM16H1000P	1000	54	220	5
DN450	V9BFF16-450(-2)	NOM16H2000	NOM16H2000P	2000	70	286	5
DN500	V9BFF16-500(-2)	NOM16H2000	NOM16H2000P	2000	70	286	5
DN600	V9BFF16-600(-2)	NOM16H2000B	NOM16H2000PB	2000	70	286	5

Matching table of V8BFW Series Wafer butterfly valve and electric actuator(PN16)

(Close-off pressure of below items:1000kpa)

Size	Valve items	Actuator items (ON-OFF)	Actuator items (Modulating)	Torque (Nm)	Running time (50Hz)	Motor Consumption (VA)	Heater (W)
DN50	V8BFW16-050	NOM16H0050	NOM16H0050P	50	20	48	5
DN65	V8BFW16-065	NOM16H0050	NOM16H0050P	50	20	48	5
DN80	V8BFW16-080	NOM16H0050	NOM16H0050P	50	20	48	5
DN100	V8BFW16-100	NOM16H0050	NOM16H0050P	50	20	48	5
DN125	V8BFW16-125	NOM16H0080	NOM16H0080P	80	30	48	5
DN150	V8BFW16-150	NOM16H0200	NOM16H0200P	200	30	92	5
DN200	V8BFW16-200	NOM16H0200	NOM16H0200P	200	30	92	5
DN250	V8BFW16-250	NOM16H0400	NOM16H0400P	400	30	136	5
DN300	V8BFW16-300	NOM16H0400	NOM16H0400P	400	30	136	5
DN350	V8BFW16-350	NOM16H0800	NOM16H0800P	800	35	220	5
DN400	V8BFW16-400	NOM16H1000	NOM16H1000P	1000	54	220	5
DN450	V8BFW16-450	NOM16H2000	NOM16H2000P	2000	70	286	5
DN500	V8BFW16-500	NOM16H2000	NOM16H2000P	2000	70	286	5
DN600	V8BFW16-600	NOM16H2000B	NOM16H2000PB	2000	70	286	5
DN700	V8BFW16-700	NOM16H4000	NOM16H4000P	4000	140	286	5
DN800	V8BFW16-800	NOM16H5000	NOM16H5000P	5000	140	286	5

Matching table of V8BFW Series Wafer butterfly valve and electric actuator(PN25)

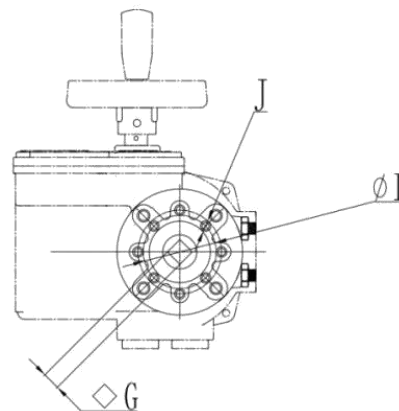
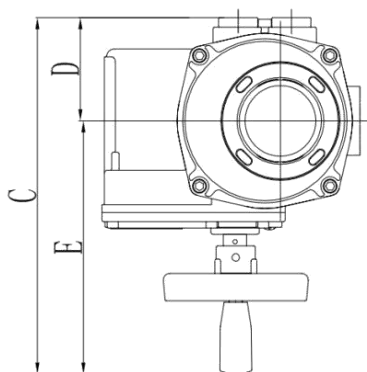
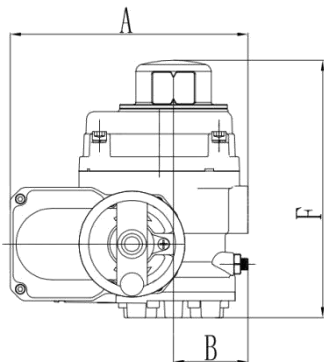
(Close-off pressure of below items:2500kpa)

Size	Valve items	Actuator items (ON-OFF)	Actuator items (Modulating)	Torque (Nm)	Running time (50Hz)	Motor Consumption (VA)	Heater (W)
DN50	V8BFW25-050	NOM25H0050	NOM25H0050P	50	20	48	5
DN65	V8BFW25-065	NOM25H0050	NOM25H0050P	50	20	48	5
DN80	V8BFW25-080	NOM25H0050	NOM25H0050P	50	20	48	5
DN100	V8BFW25-100	NOM25H0080	NOM25H0080P	80	20	48	5
DN125	V8BFW25-125	NOM25H0200	NOM25H0200P	200	30	48	5
DN150	V8BFW25-150	NOM25H0200	NOM25H0200P	200	30	92	5
DN200	V8BFW25-200	NOM25H0400	NOM25H0400P	400	30	136	5
DN250	V8BFW25-250	NOM25H0600	NOM25H0600P	600	30	165	5
DN300	V8BFW25-300	NOM25H0800	NOM25H0800P	800	35	220	5
DN350	V8BFW25-350	NOM25H1000	NOM25H1000P	1000	54	220	5
DN400	V8BFW25-400	NOM25H2000	NOM25H2000P	2000	70	286	5
DN450	V8BFW25-450	NOM25H4000	NOM25H4000P	4000	140	286	5
DN500	V8BFW25-500	NOM25H4000	NOM25H4000P	4000	140	286	5
DN600	V8BFW25-600	NOM25H5000	NOM25H5000P	5000	140	286	5

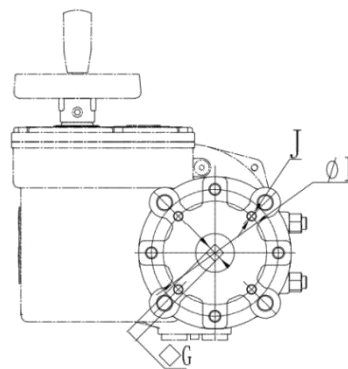
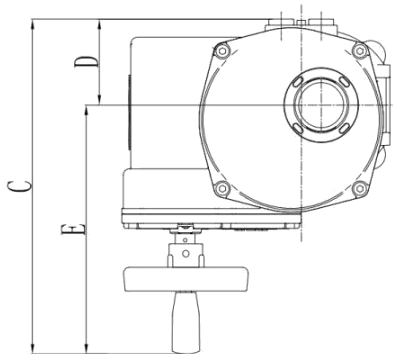
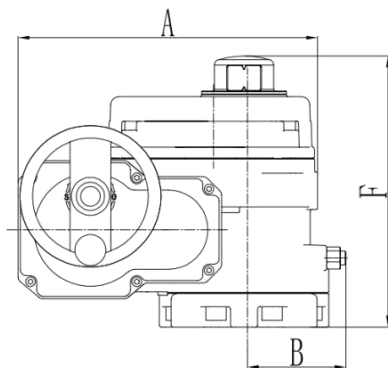
Dimension

ON-OFF Type

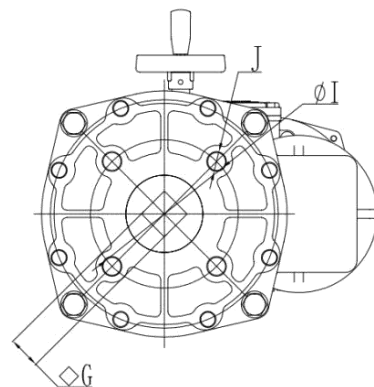
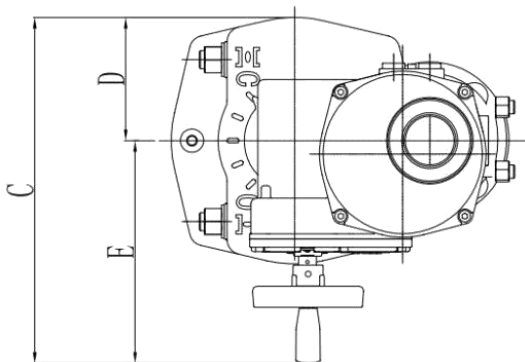
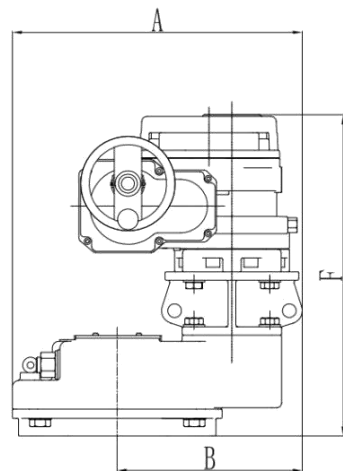
Notice: Multiple stem adaptors of NOM16H0200(P)/NOM16H0400(P) to meet the different sizes of butterfly valve.



NOM16(25)H0050/NOM16(25)H0080

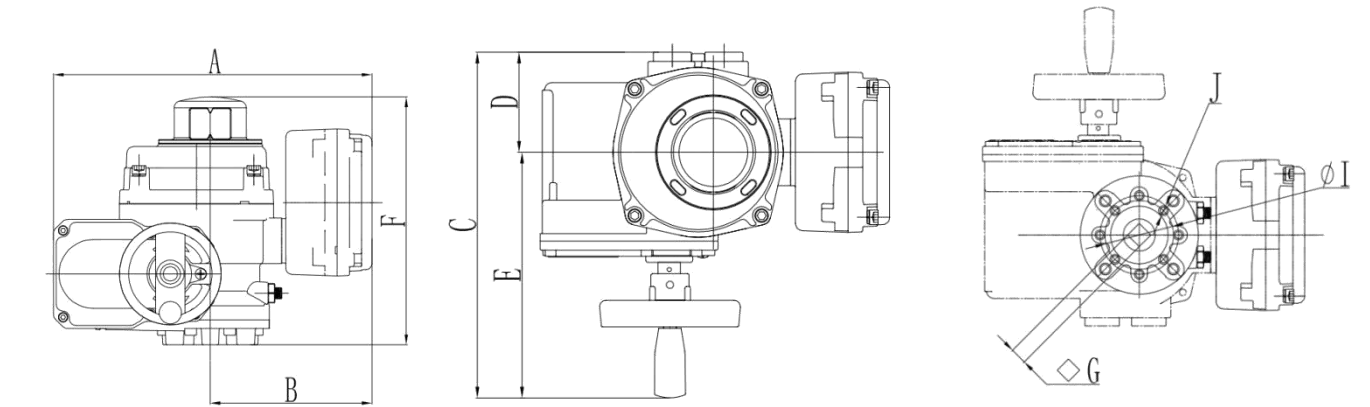


NOM16(25)H0200/NOM16(25)H0400/NOM16(25)H0600/NOM16(25)H0800/NOM16(25)H1000

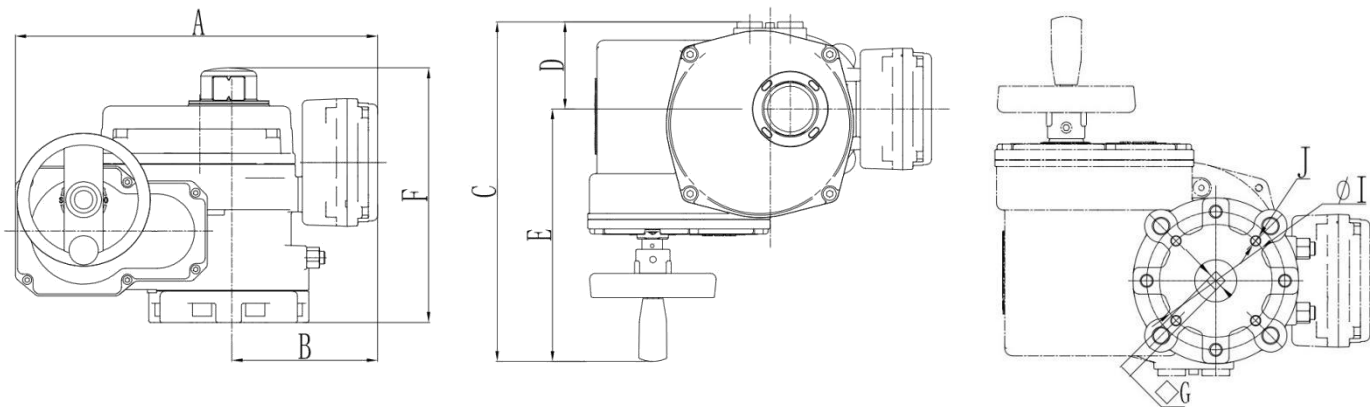


NOM16(25)H2000(B)/NOM16(25)H4000/NOM16(25)H5000

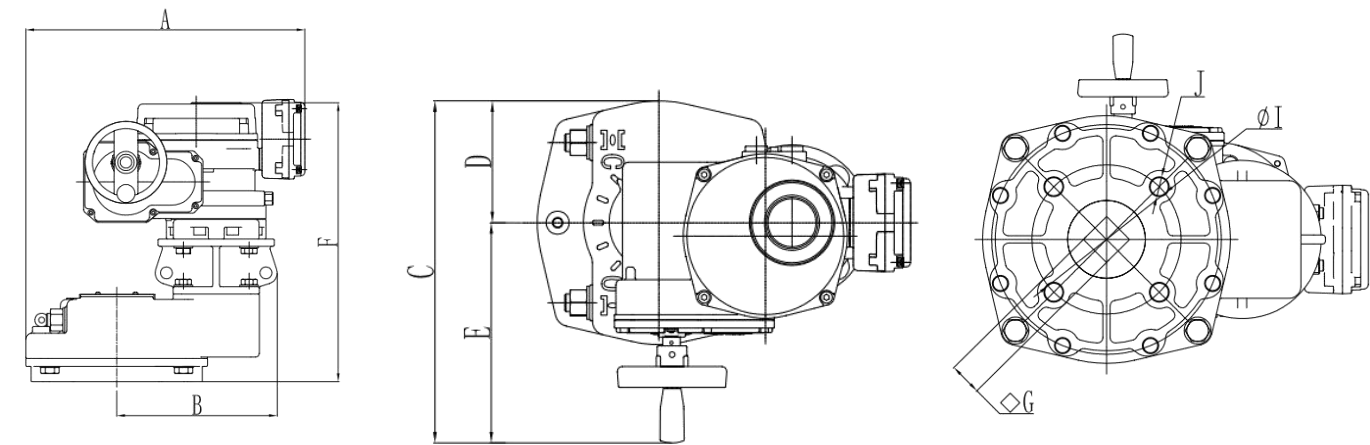
Modulating Type



NOM16(25)H0050P/NOM16(25)H0080P



NOM16(25)H0200P/NOM16(25)H0400P/NOM16(25)H0600P/NOM16(25)H0800P/NOM16(25)H1000P

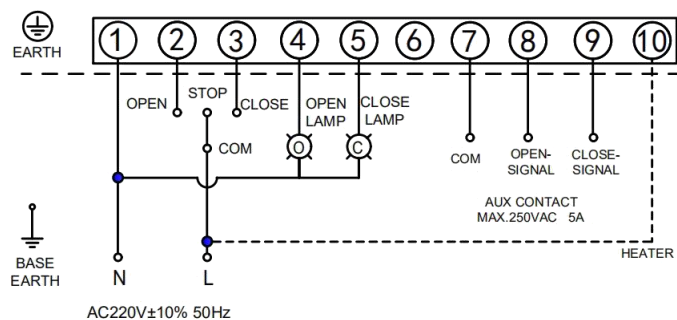


NOM16(25)H2000P(B)/NOM16(25)H4000P/NOM16(25)H5000P

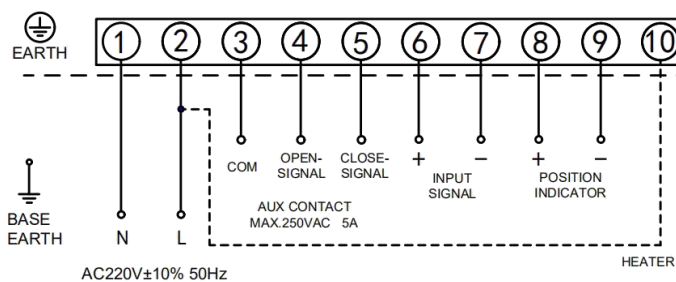
Actuator items	Dimension(mm)						
	A	B	C	D	E	F	Weight(Kg)
NOM16(25)H0050	166	52	236	66	170	180	3.3
NOM16(25)H0080	166	52	236	66	170	180	3.5
NOM16(25)H0200	243	84	342	82	260	214	10
NOM16(25)H0400	243	84	342	82	260	214	10.5
NOM16(25)H0600	243	84	342	82	260	214	11
NOM16(25)H0800	265	90	355	86	269	239	15.5
NOM16(25)H1000	265	90	355	86	269	239	16
NOM16(25)H2000(B)	380	241	406	137	269	420	52
NOM16(25)H4000	380	241	406	137	269	420	55
NOM16(25)H5000	380	241	406	137	269	420	57
NOM16(25)H0050P	234	121	236	66	170	180	4.5
NOM16(25)H0080P	234	121	236	66	170	180	4.7
NOM16(25)H0200P	303	132	342	82	260	214	11.2
NOM16(25)H0400P	303	132	342	82	260	214	11.7
NOM16(25)H0600P	303	132	342	82	260	214	12.2
NOM16(25)H0800P	343	143	355	86	269	239	16.7
NOM16(25)H1000P	343	143	355	86	269	239	17.2
NOM16(25)H2000P(B)	420	241	406	137	269	425	53.2
NOM16(25)H4000P	420	241	406	137	269	425	56.2
NOM16(25)H5000P	420	241	406	137	269	425	58.2

Wiring Drawing

ON-OFF Type



Modulating Type



THE
FUTURE
IS
WHAT
WE
MAKE IT

Honeywell