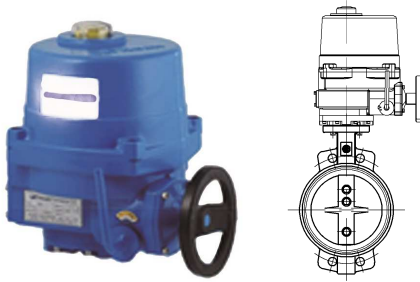


11-1. 전동 버터플라이밸브(NA)

Noah



적 용

- 버터플라이 밸브에 사용
- 볼 밸브에 사용
- 댐퍼에 사용

모 델

Type	Max OutPut Torque		Operating Time (90/sec)		Rated Current (A)						Motor		Duty Cycle (CSA)	Max Stem Dia	Handle Turns	Weight
	Kg.m	N.m	50Hz	60Hz	DC 24V	AC 110V	AC 220V	AC 230V	AC 380V	AC 440V	W	Class	S4 (%)	mm		Kg
NA006	6	60	17	14	2.5	0.7	0.38	0.38	0.13	0.13	15	F	50	22	8.5	9
NA009	9	90	17	14	3.5	1.1	0.51	0.56	0.18	0.2	25	F	50	22	8.5	9
NA015	15	150	20	17	5.0	1.6	0.75	0.75	0.3	0.35	40	F	50	22	10	11.5
NA019	19	190	20	17	6.5	1.6	0.75	0.75	0.3	0.35	40	F	50	22	10	11.5
NA028	28	280	24	20	—	1.6	0.75	0.75	0.3	0.36	40	F	50	32	12.5	14
NA038	38	380	24	20	—	2.3	1.1	1.06	0.33	0.36	60	F	30	32	12.5	14
NA050	50	500	24	20	—	3.5	1.2	1.2	0.52	0.55	90	F	25	32	12.5	14
NA060	60	600	29	24	—	3.5	1.2	1.2	0.52	0.55	90	F	25	42	14.5	24
NA080	80	800	29	24	—	3.8	1.8	1.8	0.73	0.75	180	F	25	42	14.5	24
NA100	100	1000	29	24	—	4.0	2.0	2.0	0.73	0.79	180	F	25	42	14.5	24
NA150	150	1500	87	72	—	3.5	1.2	1.2	0.52	0.55	90	F	25	75	43.5	60
NA200	200	2000	87	72	—	3.8	1.8	1.8	0.73	0.79	180	F	25	75	43.5	60
NA250	250	2500	87	72	—	4.0	2.0	2.0	0.73	0.79	180	F	25	75	43.5	60
NA300	300	3000	116	96	—	4.0	2.0	2.0	0.73	0.79	180	F	25	75	43.5	60

사 양

Enclosure	Watertight Ingress Protection 67 Nema 4 and 6
Ambient Temperation	-20℃ to +70℃, 150℃ / 1hr(Option:-60℃, 400℃ / 1hr)
Power Supply	110/220VAC 50/60Hz, 380/440VAC 50/60Hz, Option : AC24V,DC24V
Torque Switches	2 Open / Close (Except NA006, NA009)
Limit Switches	2 Open / Close, 250VAC 15A Rating
Stall Protection	Built - in Thermal Protection (Open 150℃ ±5℃ / Close 97℃ ±15℃)
Travel Angle	90±5℃
Indicator	Continuous Position Indicator
Manual Override	Hand / Auto Declutching Mechanism
Self Locking	Provided by means of Worm Gearing
Mechanical Stops	External Adjustable Screws
Space Heater	20W
Conduit Entriness	2-PF 3/4", 2-NPT 3/4", 2-M20x1.5(Pitch)
Lubrication	Shell Gadus S2 V220 2
Material	Aluminium
Surface Treatment	Anodizing
External Coating	Polyester(TGIC-Free)

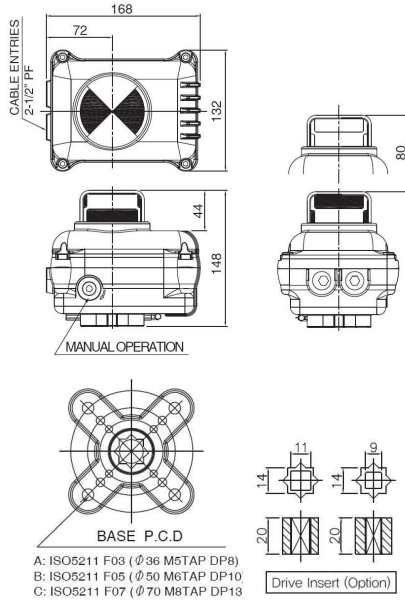
선택사양

E X P	Explosion Proof / Ex d IIB T4
IP68	Watertight Enclosure IP68 / 1bar 72h (KTL)
A L S	Auxiliary Open, Close Limit Switches
A T S	Auxiliary Open, Close Torque Switches
P I U	Potentiometer 1k Ohm
P C U	Proportional Control Unit / Input : DC4-20mA, DC1~5V, DC2~10V / Output : DC4-20mA
C P T	Current Position Transmitter
L C U	Local Control Unit
I M S	Integral Motor Starter (On-Off Action)
E X T	Travel Angle (120°, 135°, 180°, 270°, 300°)
D C M	Power Supply DC 24V (NA006~NA028)
Field-Bus	Profi-Bus, Mod-Bus, Can-Bus

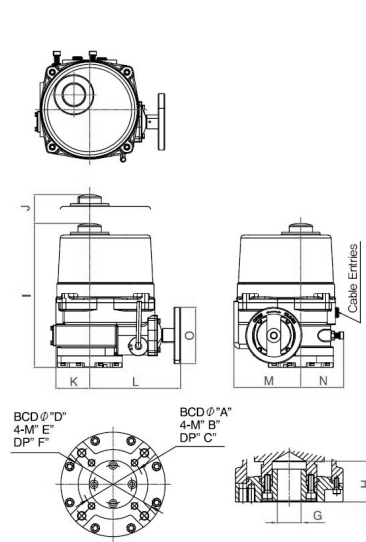
전동 버터플라이밸브

외형 치수

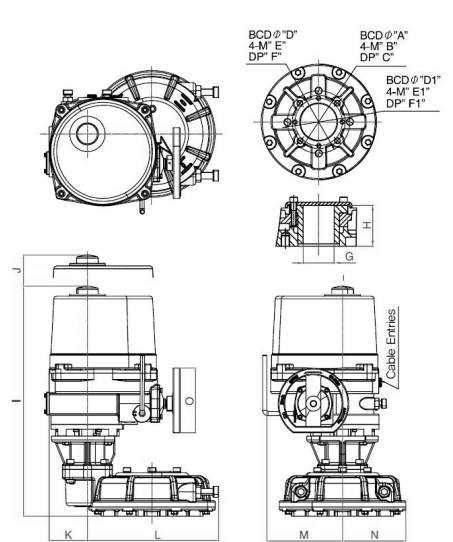
MODEL : SA005, SA009



MODEL : NA015~NA100



MODEL : NA150~NA300



Type		NA006 NA009	NA015 NA019	NA028 NA038 NA050	NA060 NA080 NA100	NA150,NA200 NA250, NA300	
A		BCD70	BCD70	BCD102	BCD125	BCD125	
B		4-M8	4-M8	4-M10	4-M12	4-M12	
C		12	12	18	22	22	
Flange ISO5211		F07	F07	F10	F12	F12	
D	D1	—	BCD102	BCD125	BCD140	BCD140	BCD165
E	E1	—	4-M10	4-M12	4-M16	4-M16	4-M20
F	F1	—	15	18	22	22	25
Flange ISO5211		—	F10	F12	F14	F14	F16
Option		BCD82	BCD82	—	BCD102(F10)	—	
G(MAX)	Key	22	22	32	42	75	
	Square	20	20	26	34	65	
H		46	46	55	62	100	
I		270	274	321	362	554	
J		108	108	130	178	178	
K		55	70	75	92	92	
L		174	184	202	223	315	
M		120	139	149	192	192	
N		68	85	95	105	152	
O		102	102	125	155	170	
Cable Entries		2-PF3.4"	2-PF3.4"	2-PF3.4"	2-PF3.4"	2-PF3.4"	
		2-M20x1.5	2-M20x1.5	2-M20x1.5	2-M20x1.5	2-M20x1.5	
		2-NPT3/4"	2-NPT3/4"	2-NPT3/4"	2-NPT3/4"	2-NPT3/4"	

전동 버터플라이밸브(SA)



특징

무전압 접점 제공	기본 방수 등급 IP67
응축수를 방지하기 위한 Space Heater 내장	Full Open&Close시 인디케이터 내부에 장착된 LEC 점등
수동 동작용 Manual 핸들 소켓 장착(6mm L-렌치 사용) 및 렌치 공급	원거리에서도 상태를 확인하기 용이한 Dome Type의 인디케이터 장착
넓은 전압 사용 범위 (DC 24V / AC 110, 220V 단상) ※ 단 AC 220V / 380V, 440V 3상 제외	Butterfly Valve 및 Ball Valve 직결 조립이 용이하게 Flange 규격 3가지 (F03,05,07)가 모두 장착되어 있음. ※SA003 : F03, F04, F05
진동 및 거친 외부 환경에 강한 WAGO 단자대 사용 (※SA003 : PCB Screw 터미널 블록 단자대 사용)	Valve Stem 연결 부위 기본 14x14에서 11x11, 9x9 인서트 기본 제공 ※ SA003 : 11x11, 9x9

사양

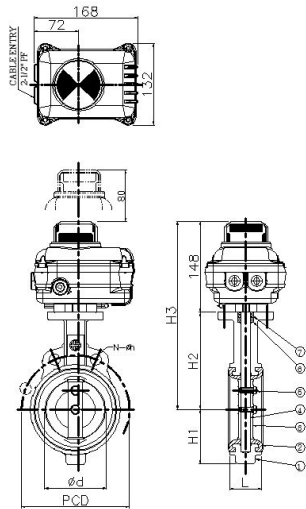
Model	Type	Output Torque		Operating Time(90°)		Motor Cass(E)	Rated Current (A)				Duty Cycle	Number Of Handle Turns	Weight	Valve 적용 범위 (10K)
							1 Phase (AC)			DC				
		Kg/m	N/m	60Hz	50Hz	W	24V	110V	220V	24V	S2 (min)		kg	
SA003	ON-OFF	3	30	12	12	18	1	0.2	0.11	0.8	15	7.5	1.5	
SA005	ON-OFF	5	50	14	17	6	1.8	0.35	0.23	1.8	15	6	2.8	Butterfly Valve: 40A ~ 65A
SA009	ON/OFF	9	90	26	32	6	2.1	0.35	0.25	2.1	15	4.5	2.8	Butterfly Valve: 80A ~ 100A

※ Note : Standard Spec. (Power : 단상 AC220V)

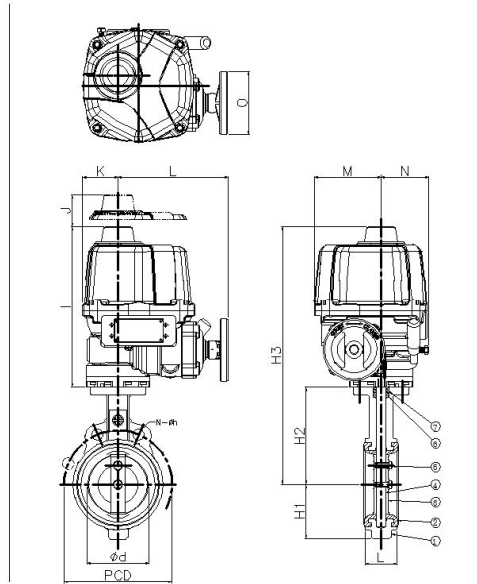
※ Note : 삼상 AC380V / 440V 안됨.

전동 버터플라이밸브(SA, NA)

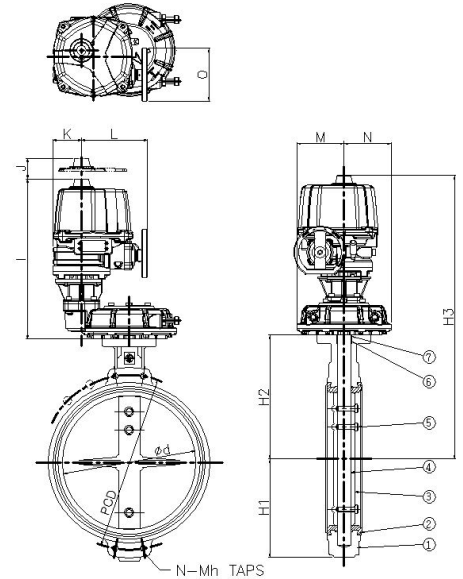
MODEL : SA005, SA009



MODEL : NA015~NA100



MODEL : NA150~NA300



2방 전동 버터플라이밸브 (10K)

MODEL	SIZE	L	Ød	PCD	H1	H2	H3	N-Øh
SA005	40A(1½")	41	40	105	57	107	260	4-19
SA005	50A(2")	43	53	120	60	118	270	4-19
SA005	65A(2½")	43	67	140	68	126	279	4-19
SA009	80A(3")	46	80	150	78	136	289	8-19
SA009	100A(4")	52	100	175	89	157	310	8-19



(JIS10K)

MODEL	SIZE	L	Ød	PCD	H1	H2	H3	I	J	K	L	M	N	O	N-Øh
NA009 NA015	125A(5")	56	128	210	109	175	449	275	108	70	184	139	85	102	8-23
NA015 NA019	150A(6")	56	148	240	124	195	469	274	108	70	184	139	85	102	8-23
NA019 NA028	200A(8")	60	196	290	174	226	548	321	130	75	202	149	95	125	12-23
NA038	250A(10")	68	248	355	205	268	589	321	130	75	202	149	95	125	12-25
NA050	300A(12")	78	275	400	228	301	622	321	130	75	202	149	95	125	16-25
NA080	350A(14")	78	320	445	254	327	689	362	178	92	223	192	105	155	16-25

MODEL	SIZE	L	Ød	PCD	H1	H2	H3	I	J	K	L	M	N	O	N-Øh
NA150	400A(16")	102	384	510	290	348	902	554	178	92	315	192	152	170	16-27
NA150	450A(18")	114	434	565	318	400	954	554	178	92	315	192	152	170	20-27
NA200	500A(20")	125	473	620	348	435	989	554	178	92	315	192	152	170	20-27
NA250	600A(24")	150	580	730	461	508	1062	554	178	92	315	192	152	170	24-33