



8-3

ON-OFF Valve actuator GEA-55A / GEA-100A / GEA-250A



GEA-55A, 100A



GEA-250A



Summary

Robust Design, Complete Enclosure, Reliable Operating, Low Maintenance.
To be applied for Heating, HVAC, Ice-thermal storage system



Type

24VAC and 220VAC (GEA-250A(S) available only with 220VAC)

Model	Normal stroke(mm)	Thrust(N)
GEA-55A	70	5500 (5.5KN)
GEA-100A	70	10000 (10.0KN)
GEA-250A	80	25000 (25.0KN)



Applications

In the system of Heating, Ventilation, HVAC and Ice-thermal storage , it is used to operate 2-way or 3-way globe valve(GVF, GXF, GVF Series).

Globe valve	Type	Model(GVF, GXF)
2-way	Single Seat	10K, 20K
3-way	Mixing, Diverting	10K, 20K

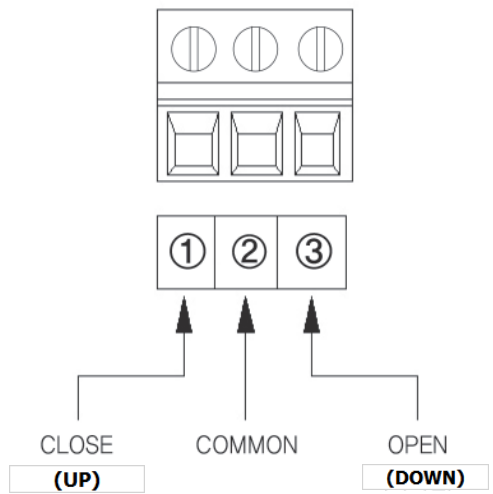
Technical Data

Model	GEA-55A	GEA-100A	GEA-250A	GEA-250AS
Stroke(mm)	70	70	80	80
Thrust(N)	5500	10000	25000	25000
Operating time(SEC)	94(0.75mm/s)	94(0.75mm/s)	210(0.38mm/s)	110
Power voltage	24V(220V) AC ± 10%		220V	
Standard of cable	Above HIV 2.0 SQ			
Frequency(Hz)	60 or 50			
Rated load(A)	2.1, (0.25)	3, (0.35)	1	
Condenser(μF)	150, (5)	210, (5)	6	
Consumption power(VA)	51(55)	72(77)	220	
Control Signal	CW(Clock-Wise) / CCW(Counter Clock-Wise)			
Control Output	2 x open/close 3A	2 x open/close 10A		
Motor effic	S4 - 30%, EN60034-1			
Ambient Tempt.	in operation : -15 ~ 60℃			
Ambient Tempt.	in transit : -30 ~ 65℃			
Insulation class	E (IEC)			
Ambient Humid.	5 ~ 95%RH			
Housing Protection	IP 54 (EN60529)			
Conduit Entries	PF1/2 x 2EA			
Weight(kg) Net/Gross	11	12	21.3 / 22.6	
※ Mis-operation to be caused by voltage drop when using the cable beneath the range of the standard				

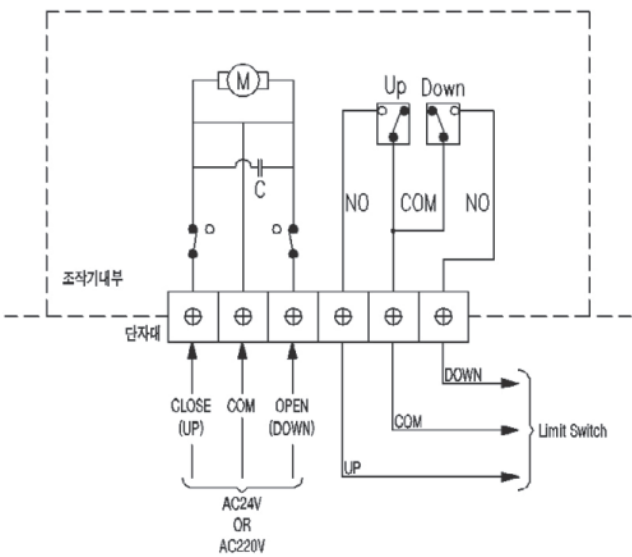
Ordering Specification

	Thrust	Operation	Power / Frequency	Input / Output	Specifications
Model	N	Type	AC / Hz	Signal	
GEA					GINICE Electrical Actuator
	55				5500N
	100				10000N
	250				25000N
		A			ON-OFF / Normal speed
		AS			ON-OFF / High speed(GEA-250 : 110sec)
			46		AC 24V / 60Hz(GEA-250A unavailable)
			26		AC 220V / 60Hz
			45		AC 24V / 50Hz(GEA-250A unavailable)
			25		AC 220V / 50Hz
				00	Standard(RELAY)
				LS	Auxiliary Limit Switch
				135	Output : resistance 0 ~ 135 Ohms

Wiring Diagram



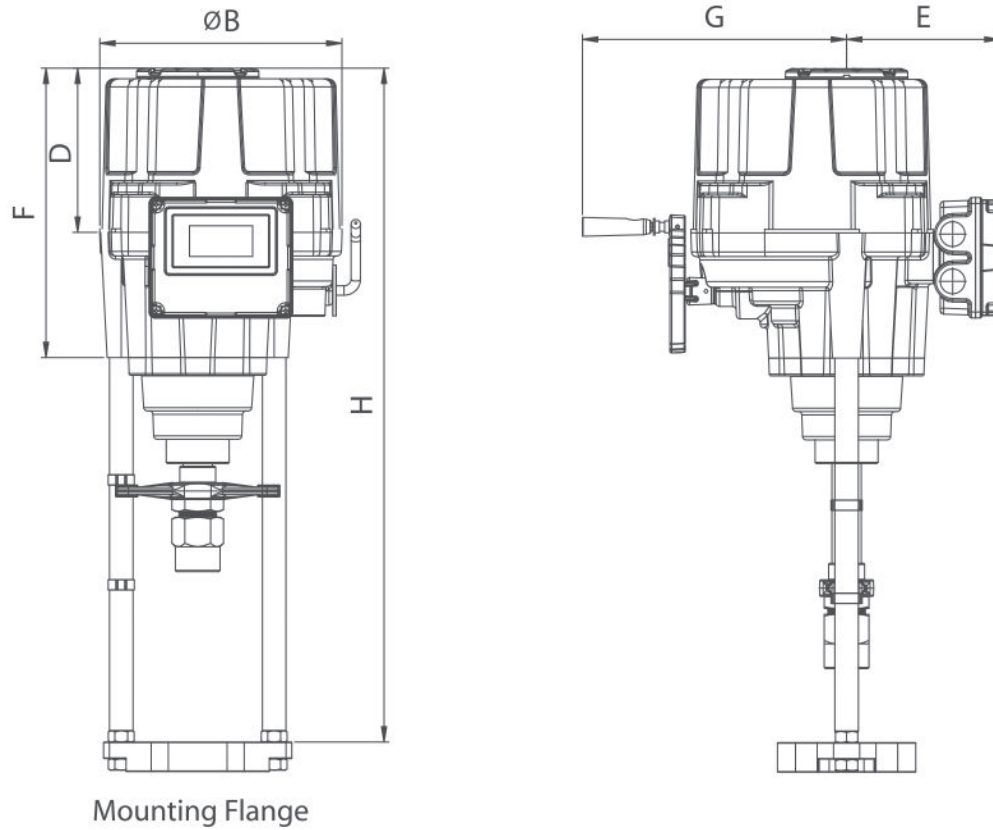
▶ Standard Type - (24 VAC or 220 VAC)



▶ Limit Switch Type - (24 VAC or 220 VAC)



Shape Dimension



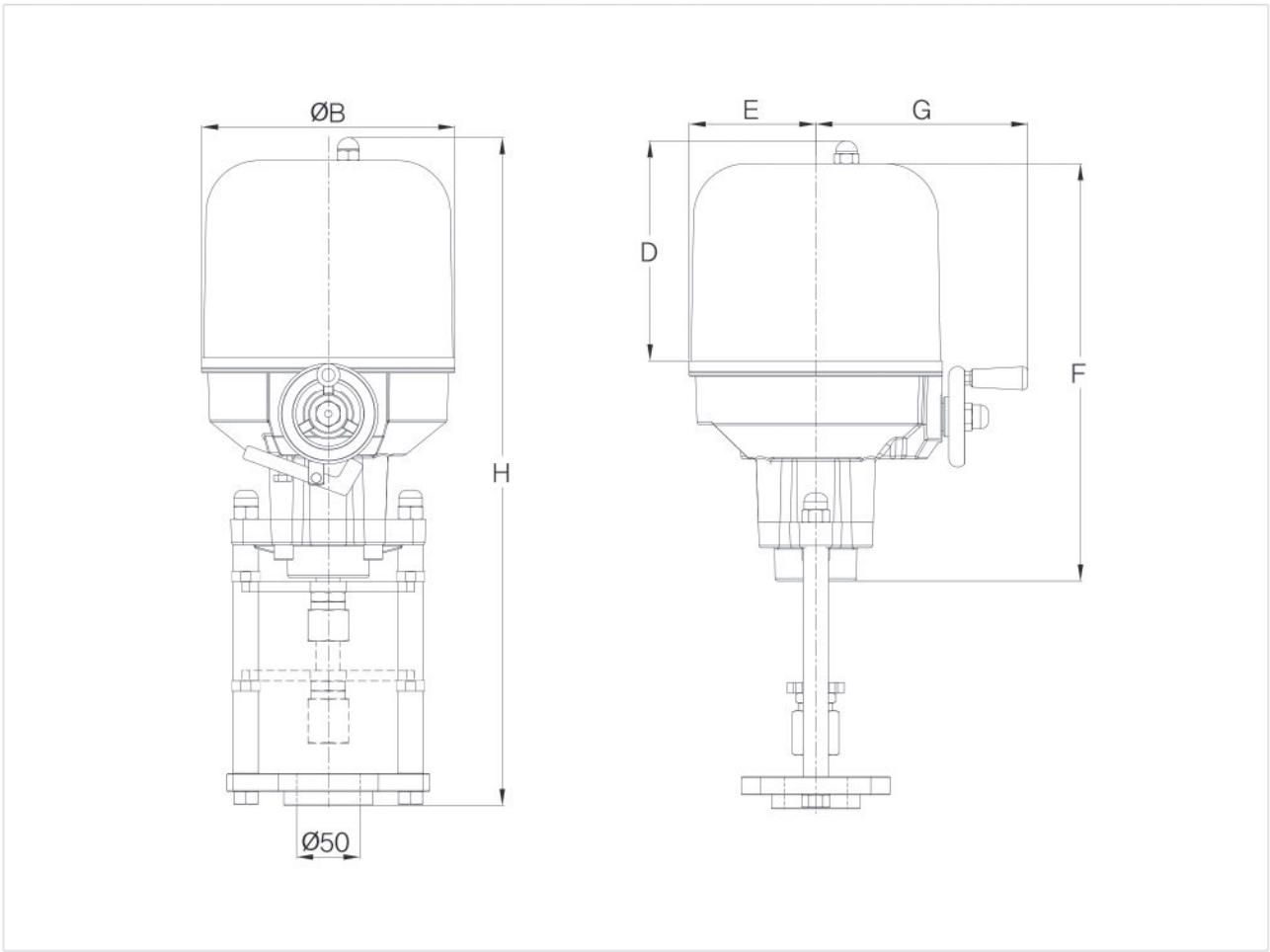
Mounting Flange

Model	GEA-55A	GEA-100A
ØB	206	206
H	570.5	595.5
D	139	139
F	245	245
E	130	130
G	225	225

► Mounting Flange Dimension

	Center Hole (X1)	Side Hole (X2)	Thickness (mm)
Flange Size - 1 (Standard)	Ø 51	Ø 12.5	20
Flange Size - 2	Ø 71	Ø 12.5	25
Flange Size - 3	Ø 81	Ø 12.5	24
PCD on Flange	130mm		
Pillar (Yoke) Threads	M12		

Shape Dimension



MODEL	$\varnothing B$	H	D	F	E	G
GEA-250	254	609	171	356	127	250

※ 250A(S) is flange type