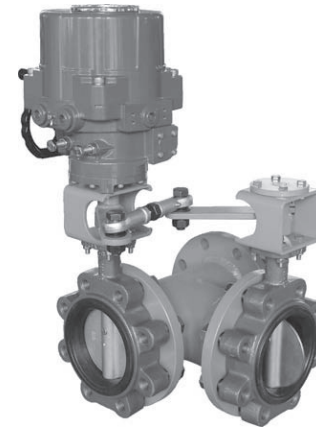




11-8

3-way proportional butterfly valve GQ...P Series



Summary

3-way proportional butterfly fly valve with GQ...P Series is flange connection type. It is installed in the system of heating and ice thermal storage, cooling tower, for the flow and blocking.

Size : 50A ~ 450A

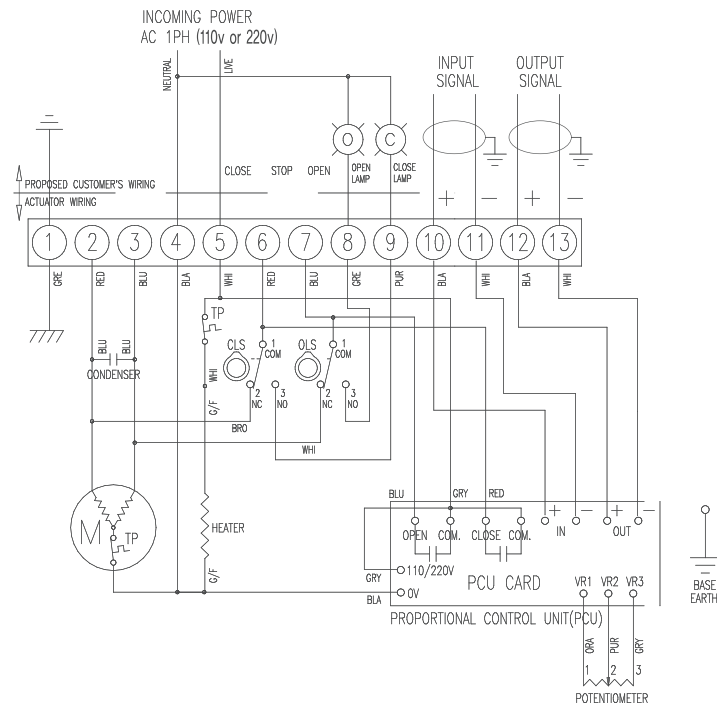
- Ice thermal storage system
- Heating and cooling system
- Cooling tower system

Standard of actuator - ON/OFF indicator
 - Space heater
 - Manual hand-wheel

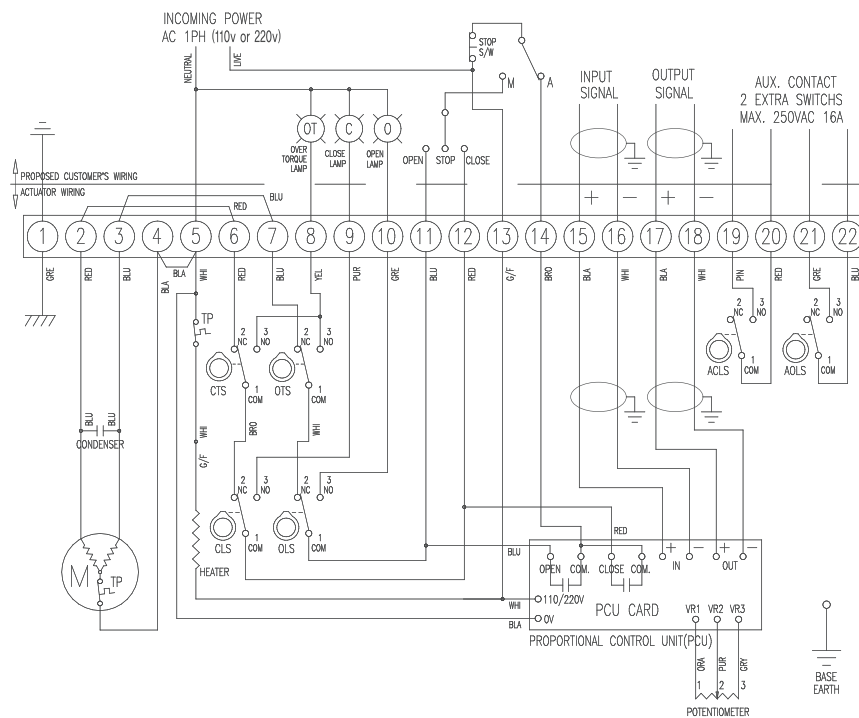
Technical Data

- Proportional actuator model : GQ-010P, 016P, 024P, 035P, 050P, 080P, 110P, 200P, 300P
- Power : 110VAC / 1Phase, 220VAC / 1Phase
 380VAC / 3Phase, 440VAC / 3Phase
- Input : 1 ~ 20mA / 0 ~ 10VDC
 1 ~ 5VDC / 2 ~ 10VDC
- Operation : ON-OFF
- Torque : 10, 16, 24, 35, 50, 80, 110, 200, 300kg/cm²
- Range of angle rotation : 90°±5°
- Operating time : 10min 18sec, 24min 21sec, 35min, 50min 26sec, 80min, 110min 32sec, 200min, 300min 50sec
- Manual handle with de-clutching system
- Housing protection : IP67
- Heater(installed) : 10W in common
- Valve size : 50A ~ 450A
- Materials : BODY - FC20, DISC - SUS304, SEAT - EPDM(or PTFE), STEM - SUS 304
- Max. pressure : 10Kgf/cm²
- Ambient Temp. : 70°C (120°C upon the request with order)
- Type : LUGGED BODY TYPE
- Flange connection : JIS 10K LUG Flanged Type

Wiring diagram

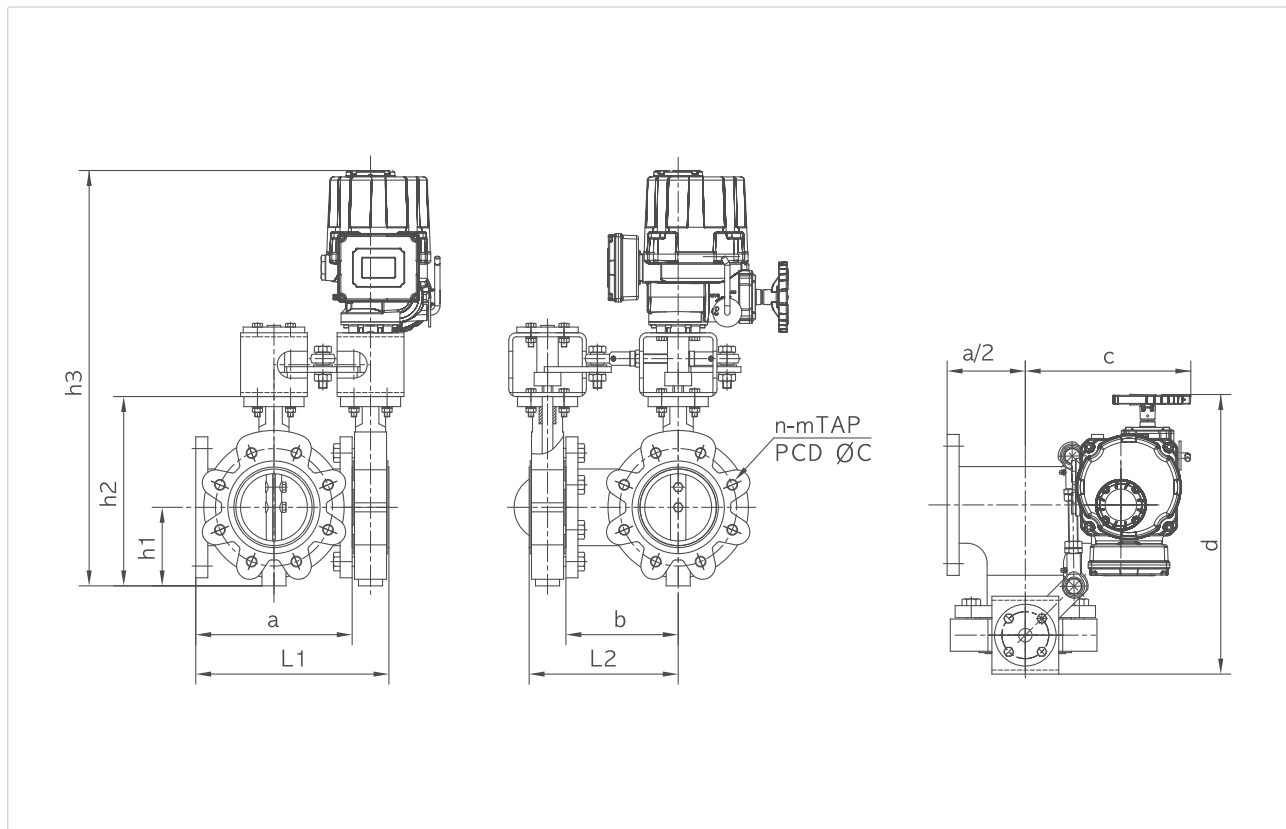


Proportional wiring GQ-010P [110 or 220VAC, 50 / 60Hz] - PCU



Proportional wiring GQ-016P ~ 300P [110 or 220VAC, 50 / 60Hz] - PCU

Shape Dimension



MODEL : VALVE / ACTUATOR

SIZE	Actuator	L1	L2	a	b	c	d	h1	h2	h3	n-m	Øc
50A	GQ-010P	197	170	154	127	207	324	63	195	524	4-M19	120
65A	GQ-010P	228	187	182	141	223	326	72	210	539	4-M19	140
80A	GQ-010P	246	196	200	150	232	330	79	245	574	8-M19	150
100A	GQ-016P	290	221	238	169	255	332	100	267	630	8-M19	175
125A	GQ-024P	336	246	280	190	305	343	115	312	675	8-M23	210
150A	GQ-024P	378	267	322	211	315	358	130	330	693	8-M23	240
200A	GQ-035P	452	306	392	246	335	388	160	396	790	12-M23	290
250A	GQ-050P	538	323	470	255	385	427	215	495	889	12-M25	355
300A	GQ-080P	626	352	548	274	390	437	245	540	966	16-M25	400
350A	GQ-110P	680	379	602	301	436	468	285	561	996	16-M25	445
400A	GQ-200P	760	431	658	329	446	503	320	600	1095	16-M27	510
450A	GQ-300P	852	483	738	369	466	550	340	743	1238	20-M27	565

* Slight variance by each manufacturing