TG-B series on/off motorized valve

——— Use in fan coil or heating equipment control air-conditioning or heating system
——— Three types: internal thread ½″ - ¾″ - 1″
——— On/off type 2-way normally-closed and 3-way diverting
——— Use fully-enclosed one-way hysteresis synchronous motor with spring return and water-proof function
——— The valve actuator can be installed after the valve body is installed onto the fan coil radiation or air handler
——— The actuator mounts directly onto the body quickly and easily without the need for linkages and calibration
——— Can produce according to customer's requirements

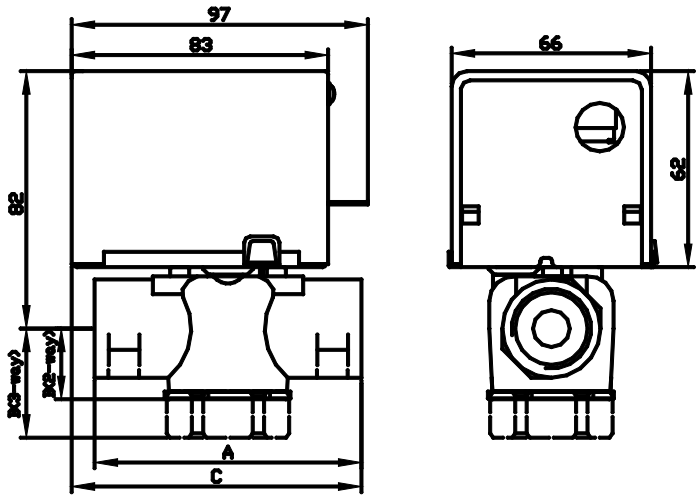
ORDER GUIDE

SKU	Dimension	Type	Kv(Cv)factor	Close-off△P(Mpa)	Weight(g)
R05293	1/2″	2-way valve	2.2(2.5)	0.18	700
R05296	1/2″	3-way valve	2.6(3.0)	0.18	750
R05294	3/4″	2-way valve	3.0(3.5)	0.16	850
R05297	3/4″	3-way valve	3.4(4.0)	0.16	900
R05295	1″	2-way valve	6.9(8.0)	0.14	1000
R05298	1″	3-way valve	6.5(7.5)	0.14	1050

SPECIFICATIONS

Medium		cooling or heating water
Rated power supply		230V,120V,24V
Power consumption		7W
Operating fluid temperature range		0 - 90° C (non-freezing)
Operating temperature range		0 - 40°C
Operating time	Power Stroke	10 to 15 Seconds
	Spring Return Stroke	4 to 5 Seconds
Operating pressure		300psi / 2.0Mpa
Action		Spring Return
		Normally Close
Material	Actuator	Stainless Steel Base Plate
	Cover	Aluminum
	Valve body	Forged Brass
	Valve flap	NBR

Model	DIMENSIONS (mm)		
	A	B	C
R05293	70	23	86
R05296	70	37	86
R05294	87	23	93
R05297	87	37	93
R05295	94	25	95
R05298	94	42	95



TG-B PIPING AND APPLICATION TIPS

These valves must be piped so that the paddle closes against the direction of flow (See Fig.1), When installing the actuator to an NC valve, the actuator must be placed in the manually open position by using the manual operating lever. The first time the valve is operated electrically, the manual operating lever of the actuator will transfer to the automatic position. The manual operating lever can be used to allow for flushing of the system after installation.

TG-B valves are designed for application to closed hydronic heating and cooling systems. Use in systems which have substantial make-up water (open systems) is not recommended. High levels of dissolved oxygen and chlorine found in open systems may attack the valve materials and result in premature failure. Due to condensation in chilled water applications, install over a drip pan.

ACTUATOR WIRING

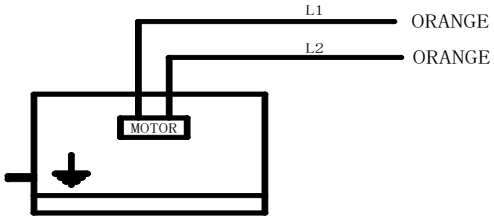


Fig. 9: Wiring with no Auxiliary Switch

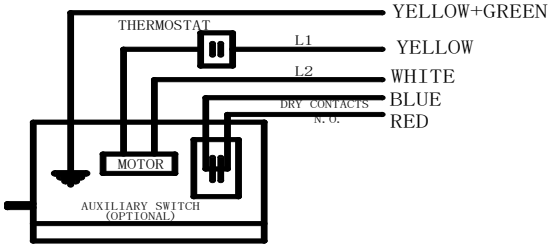


Fig. 10: Wiring with Auxiliary Switch

SW-B BODY CONFIGURATION

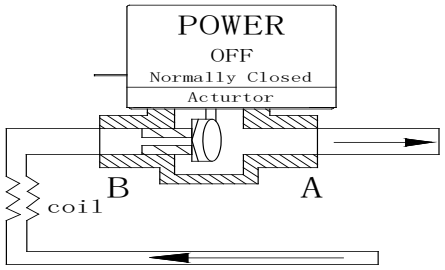


Fig. 1:2-way Normally Closed to the Coil

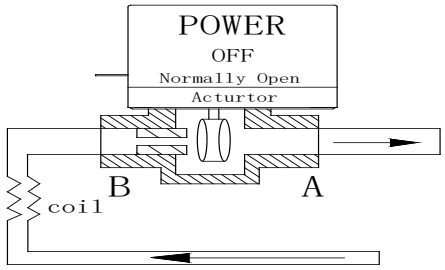


Fig. 2:2-way Normally Open to the Coil

3-way is only configured as N.C. to B port
for N.O. configuration to the coil. simply turn the valve around.

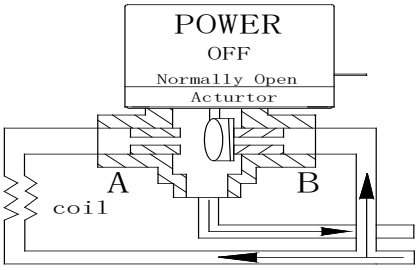


Fig. 3:3-way valve in Mixing Configuration, Normally Open to coil

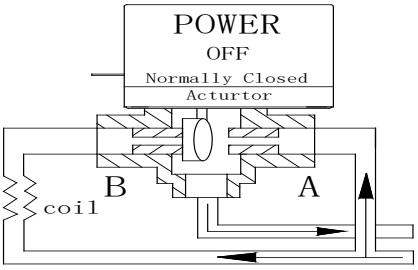


Fig. 4:3-way valve in Mixing Configuration, Normally Closed to coil

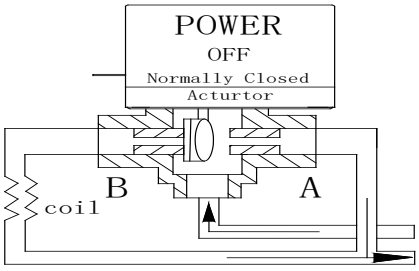


Fig. 5:3-way valve in Diverting Configuration, Normally Closed to coil

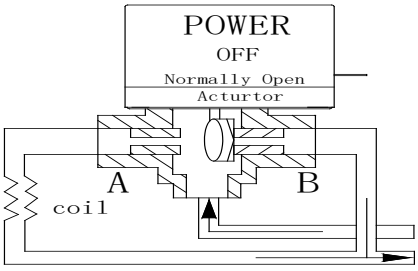


Fig. 6:3-way valve in Diverting Configuration, Normally Open to coil

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F. +39 049 8625911
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TG- serie B on/off valvola motorizzata

——— Usato in ventil-convettori o negli equipaggiamenti per il controllo del riscaldamento , nell' A/C o nei sistemi di riscaldamento.

——— Tre tipi: filetto interno ½″ · ¾″ - 1″.

——— Modello on/off 2-vie normalmente-chiusa e 3 vie deviato.

——— Usata completamente incluso motore ad una via ad isteresi sincronizzata con ritorno della molla e funzione impermeabile.

——— L'attivatore della valvola può essere installato dopo il corpo valvola è installato sopra il ventil-convettore irradiatore o ventilatore.

——— L'attivatore va montato direttamente, rapidamente e facilmente, sul corpo senza l'esigenza dei collegamenti e della calibratura.

——— Producibili in accordo con le richieste dei clienti.

GUIDA ORDINE

Modello	Dimensione	Tipo	Kv(Cv)fattore	Chiuso-off△ P(Mpa)	Peso(g)
R05293	1/2″	Valvola 2 vie	2.2(2.5)	0.18	700
R05296	1/2″	Valvola 3 vie	2.6(3.0)	0.18	750
R05294	3/4″	Valvola 2 vie	3.0(3.5)	0.16	850
R05297	3/4″	Valvola 3 vie	3.4(4.0)	0.16	900
R05295	1″	Valvola 2 vie	6.9(8.0)	0.14	1000
R05298	1″	Valvola 3 vie	6.5(7.5)	0.14	1050

SPECIFICHE

Medio acqua di raffreddamento o riscaldamento

Gruppo di alimentazione 230V,120V,24V

Assorbimento di corrente 7W

Temp. di funzionamento fluidi 0 - 90° C (non-congelamento)

Temperatura di funzionamento 0 - 40°C

Operatività Colpo d'alimentazione 10 a 15 Secondi

Ritorno molla 4 a 5 Secondi

Pressione di funzionamento 300psi / 2.0Mpa

Azione Ritorno molla

Normalmente Chiusa

Materiale Attivatore Base d'appoggio acciaio inox

Coperchio Alluminio

Corpo valvola Ottone Forgiato

Guarnizione NBR

Modello	DIMENSIONI(mm)		
	A	B	C
R05293	70	23	86
R05296	70	37	86
R05294	87	23	93
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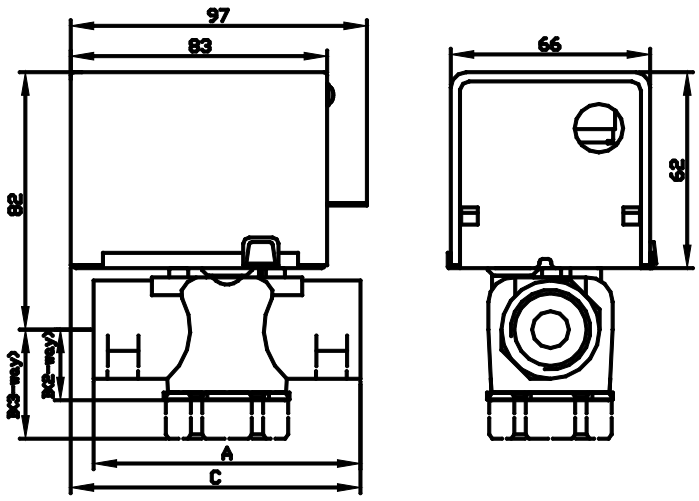
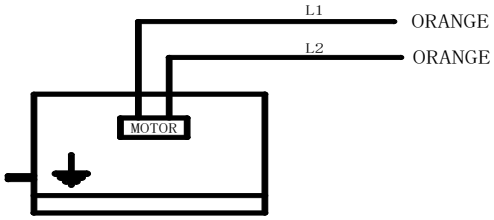


TG-B COLLEGAMENTI E APPLICAZIONI TIPO

Queste valvole devono essere montate in modo che la paletta si chiuda contro il senso di flusso (vedi Fig.1), quando si installa l'attivatore ad una valvola NC, l'attivatore deve essere posto nella posizione aperta manualmente usando la leva manuale di funzionamento. Una volta azionata elettricamente, la leva manuale di funzionamento dell'attivatore si trasferirà alla posizione automatica. La leva manuale di funzionamento può essere usata per lasciare il flusso del sistema dopo l'installazione.

Le valvole **TG-B** sono progettate per l'applicazione nei sistemi idrici a circuito chiuso di raffreddamento e riscaldamento. L'uso nei sistemi che hanno consistente acqua recuperata (sistemi aperti) non è raccomandato. Gli elevati livelli di ossigeno e di cloro disciolti trovano nei sistemi aperti attacchi nei materiali delle valvole con il risultato del guasto prematuro della stessa. A causa della condensazione nelle applicazioni in acqua raffreddata, installare la valvola sopra ad un recipiente di sgocciolamento.

ACTUATOR WIRING



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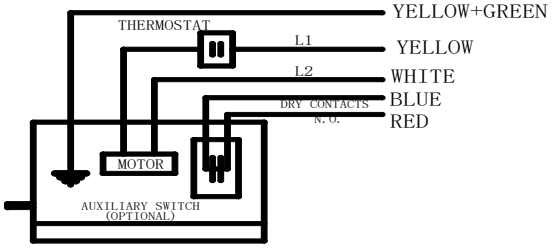

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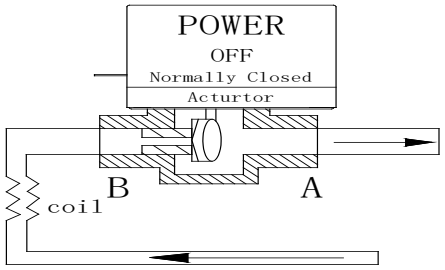

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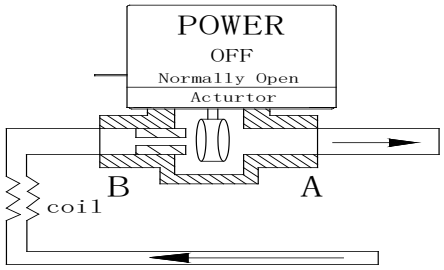

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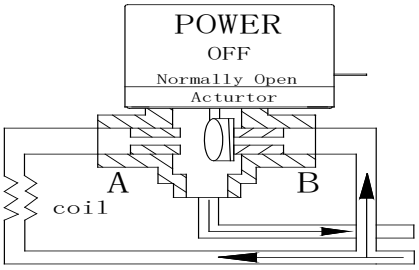

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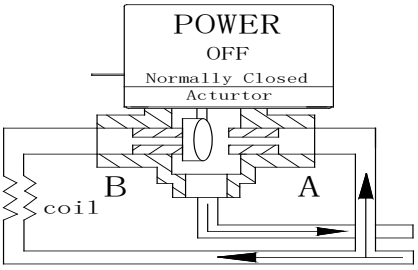

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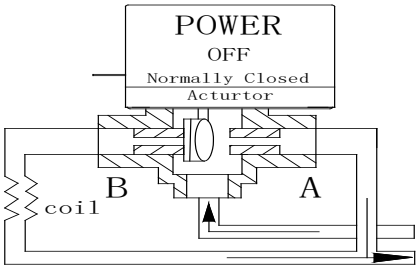

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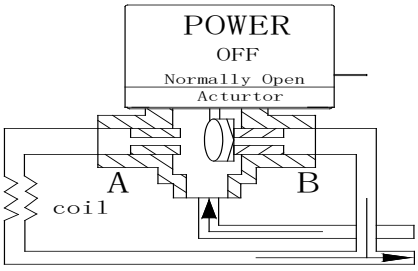

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