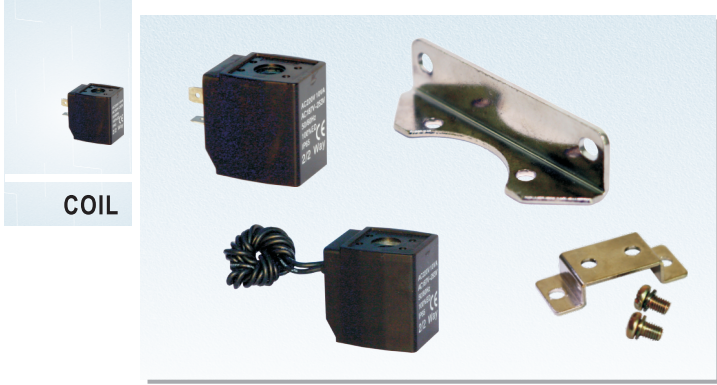


Fluid control valve(2/2way)

AIRTAC

Coil and accessories

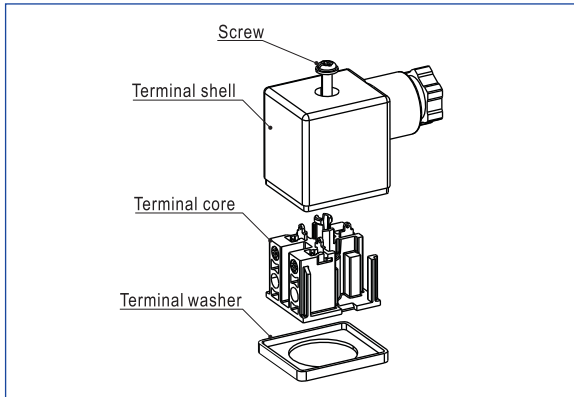


COIL

Hookup

Coil's type			Hookup	Connector's type
116 Series	CDA116 (Terminal)	AC		PL2925
		DC		
	CLA116 (Grommet)	AC		-
		DC		
170 Series	CDA170 (Terminal)	AC		PL3030
		DC		
	CLA170 (Grommet)	AC		-
		DC		

How to use connector



Specification

Type Item	Power	Voltage (V)	Frequency (Hz)	Voltage range	Electrical entry	Power Consumption(VA/W)		Insulation	Temp rise(°C)	
						For NC	For NO		NC	NO
116 Series	AC	220	50	± 15%	DIN Terminal Grommet	10.0VA	15.0VA	Class B	35	50
			60			8.0VA	11.0VA		30	40
		110	50			10.0VA	15.0VA		35	50
			60			8.0VA	11.0VA		30	40
		24	50			10.0VA	15.0VA		35	50
			60			8.0VA	11.0VA		30	40
	DC	24	—	± 10%	6.5W		30	30		
		12								
170 Series	AC	220	50	± 15%	DIN Terminal Grommet	25.0VA	35.0VA	Class H	60	65
			60			22.0VA	30.0VA		55	60
		110	50			25.0VA	35.0VA		60	65
			60			22.0VA	30.0VA		55	60
		24	50			25.0VA	35.0VA		60	65
			60			22.0VA	30.0VA		55	60
	DC	24	—	± 10%	10.5W		40	40		
		12								

How to select coil

Valve type\ Coil type		116 Series		170 Series	
		Class B	Class H	Class B	Class H
2W□030	2S□030	●	×	×	×
2KW□030	2KS□030				
2L□030	2KL□030	×	●	×	×
2W□050	2S□050	×	×	●	×
2KW□050	2KS□050				
2L□050	2KL□050	×	×	×	●
2W150~250	2S150~250	●	×	×	×
2KW150~250	2KS150~250				
2L150~250	2KL150~250	×	●	×	×
2S320~500	2KS320~500	×	×	●	×
2L320~500	2KL320~500	×	×	×	●

How to select accessories

Valve type\ Coil type			F-2S030LB	F-2S050LB	F-2S150LB	F-2S200LB	F-2S250LB
2W□030	2S□030	2L□030	●	×	×	×	×
2KW□030	2KS□030	2KL□030					
2W□050	2S□050	2L□050	×	●	×	×	×
2KW□050	2KS□050	2KL□050					
2W150	2S150	2L150	×	×	●	×	×
2KW150	2KS150	2KL150					
2W200	2S200	2L200	×	×	×	●	×
2KW200	2KS200	2KL200					
2W250	2S250	2L250	×	×	×	×	●
2KW250	2KS250	2KL250					
2S320~500	2L320~500		×	×	×	×	×
2KS320~500	2KL320~500						

Ordering code of coil

CD A116 A □	
Coil type	Temperature resistance class of coil
CD: Terminal	Blank: B Class
CL: Grommet	H: H Class
Coil's bore	Voltage
A116: Coil Specification(Bore size Φ 11.6mm)	A: AC220V
A170: Coil Specification(Bore size Φ 17.0mm)	B: DC24V
	C: AC110V
	E: AC24V
	F: DC12V

Fluid control valve(2/2way)

AIRTAC

Usable medium for reference

Usable medium

Series	2W. 2KW series	2S. 2KS series	2L. 2KL series
Valve body material	Brass	SUS304	SUS304
Seal material	FPM-F	FPM-F	PTFE
Medium	Dry air	○	○
	Carbon dioxide CO ₂	○	△
	Nitrogen	○	△
	Argon	○	△
	Water	○	○
	Pure water	△	○
	Saturated vapor	△	○
	High temp water(≤150℃)	△	○
	ISO VG32 oil	○	○
	JIS#1 oil	○	○
	JIS#2 oil	○	○
	Methanol*	△	○
	Eethanol*	○	○
	Glycol *	○	○
	Acetone*	△	○
	Propylene butyronitrile*	△	△
	Acetylene *	△	△
	Acetaldehyde*	△	○
	Ammonia	△	△
	Ammonia water	△	△
	Isopropanol	○	○
	Alcohol(High purity)*	○	○
	Alcohol(Industrial)*	△	△
	Aether*	△	○
	Ammonia chloride solution	△	△
	Ozone(low concentration)	△	○
	Phosphoric acid	△	△

Series	2W. 2KW series	2S. 2KS series	2L. 2KL series
Valve body material	Brass	SUS304	SUS304
Seal material	FPM-F	FPM-F	PTFE
Medium	Hydrogen peroxide	△	△
	Caustic soda	△	△
	Gasoline*	○	○
	Glycerin*	△	△
	Light oil	○	○
	Oxygen	○	△
	Heavy oil A	○	○
	Heavy oil B	○	○
	Heavy oil C	○	○
	Nitric acid 30%	△	△
	Vacuum (medium vacuum)	○	△
	Vacuum(high vacuum)	△	△
	Sodium hydroxide under 30%	△	△
	Sodium hydroxide above 30%	△	△
	Hydrogen	○	△
	Soap	△	○
	Azote	○	△
	Natural gas*	○	△
	Pipeline gas*	○	△
	Toluene*	△	○
	Ligroine*	△	○
	Boracic acid	△	△
	Formalin	△	△
	Methane*	○	△
	Lacquer *	△	○
	Ammonium sulfate solution	△	△
	Copper sulfate solution	△	△



- 1 Note: ○= Excellent(nearly without affect); ○= Good(workable thought some affect); △= Poor(large affect).
 2 Note: “*” means inflamanable and explosive dangerous fluid. Please use the relative explosion proof coil.
 3 Note: Under ther corresponding gaseous state medium, PTFE seal is with a little leakage(≤300mL/min).
 4 Note: Please consult the technical department before using fluid that has not been shown in the above table.