Fluid control valve(2/2way)

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RIMANTEC



2S Series (Direct-acting and normally closed)



2S

Symbol



Product feature

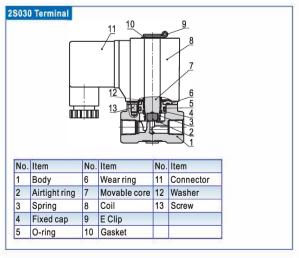
- 1. Direct acting and normally closed type 2/2 way solenoid valve. Its high sensibilily allows it to change direction quickly;
- 2. It has wide pressure range, including extra high pressure (X), high pressure (H), standard, large volume(L) and extra large volume (T) to choose from;
- 3. It is compact, small size and lightweight. It is easy to install and dismantle.
- 4. The valve body is made of SUS304. Its coil has a Heat resistance classification of Class B. The standard seal material is FPM-F. Please contact us if other material are required.
- $5. \, The \, protection \, class \, of \, the \, coil \, is \, IP65 \, and \, there \, is \, a \, choice \, for \, \, grommet \, or \, \,$ terminal electrical entry.

Valve's specification

Acting	Direct acting										
Initial stats		Normally closed									
Adaptable fluid 1	Air, Water, Oil										
Viscosity limit	Under 20CST										
Abis.ast and filed		Water	Air	Oil	Ambient						
Ambient and fluid temperature(°C)	Max.	80	90	80	70						
temperature(C)	Min.	1	-20 ②	-10③	-20						

- 1 Note: Please refer to P121 for detail of other's fluid.
- ② Note: Dew point: −20(°C) or less. ③ Note:50CST or less.

Inner structure



Specification

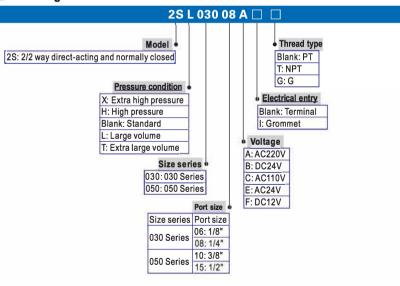
Type\lte	m	Port size①	Orifice size	Cv	Valid area or section(mm²)	Weight ②(q)	Max.operating pre	ssure differentia	Proof p MPa	ressure psi
2SX030	-06 -08	1/8"	1.5	0.10		300 295	3.0	450		
2SH030	-06 -08		2.0	0.18	3.0	300 290	2.0	300		
2S030	-06 -08		3.0	0.33	6.0	300 290	1.0	150		
2SL030	-06 -08	_	4.0	0.55	10.0	300 290	0.5	75		
2ST030	-06 -08		6.0	1.10	12.0	300 290	0.1	15		
2SX050	-10 -15	3/8"	3.0	0.34	6.1	600 590	3.0	450	5.0	750
2SH050	-10 -15	3/8"	4.0	0.55	10.0	600 590	2.0	300		
2S050	-10 -15		5.0	0.83	15.0	600 590	1.0	150		
2SL050	-10 -15	_	7.0	1.40	25.0	600 590	0.5	75		
2ST050	-10 -15		10.0	2.20	40.0	600 590	0.1	15		

- 1) PT thread, NPT thread and G thread are available
- 2 The weight in the table is the terminal valve's weight, 2S030 series grommet valve's weight is 10g less than terminal's. 2S050series grommet valve's weight is 20g less than terminal's.

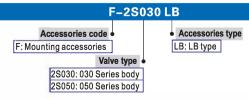
Specification of coil

Valve type	Coil type	Power type	Frequency (Hz)	Voltage range	Electrical entry	Power Consumption (VA/W)	Insulation	Temp rise(℃)
	001440	AC	50	± 15%	Terminal	10.0VA		35
2S□030	CDA116 CLA116	AC	60	± 13 70		8.0VA		30
	OLMITO	DC	-	±10%	(CDA)	6.5W	Class B	30
		40	50	± 15%	Grommet	25.0VA	Class B	60
2S□050	S□050 CDA170 CLA170	AC	60 ± 15%		(CLA)	22.0VA		55
CLATA		DC	-	±10%		10.5W		40

Ordering code



Ordering code of accessories



Fluid control valve(2/2way)

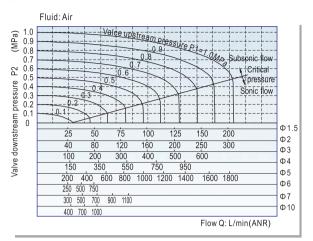
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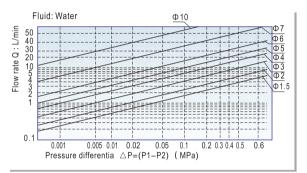
Back.

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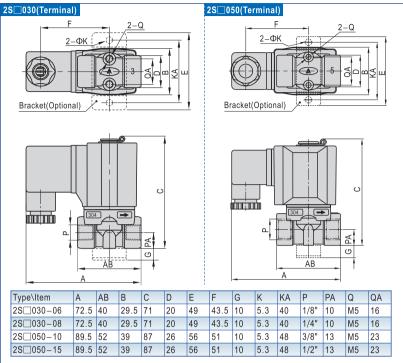
2S Series (Direct-acting and normally closed)

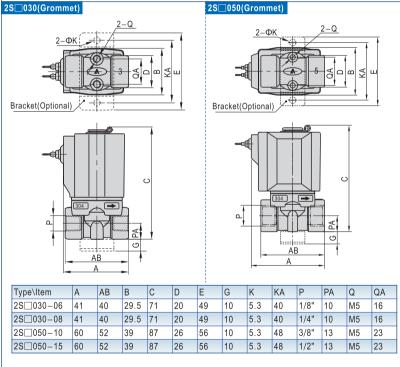
■ Flow Chart





Dimensions





2S Series (Internally piloted and normally closed)



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Symbol

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Product feature

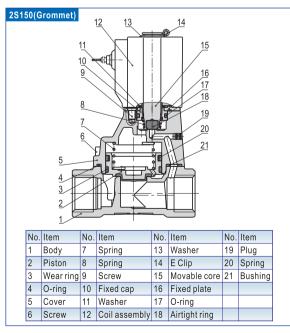
- 1. Indirect acting (Internal pilot) and normally closed type 2/2 way solenoid valve. Its can change direction quickly and has large flow.
- 2. It is compact, small and light weight. It is easy to install and dismantle;
- 3. The valve body is made of SUS304 . The coil has a Heat resistance classification of Class B. The standard seal material is FPM-F. Please contact us if other material are required.
- 4. The protection class of the coil is IP65 and there is a choice for grommet or terminal electrical entry.

Valve's specification

Acting	Intermally piloted										
Initial stats		Normally closed									
Adaptable fluid 1		Air, Water, Oil									
Viscosity limit	Under 20CST										
A sub-land and Clubs		Water	Air	Oil	Ambient						
Ambient and fluid temperature(°C)	Max. 80		90	80	70						
temperature(C)	Min.	1	-20 ② -10 ③		-20						

- 1) Note: Please refer to P121 for detail of other's fluid.
- 2 Note: Dew point: -20(°C) or less. 3 Note:50CST or less.

Inner structure



Specification

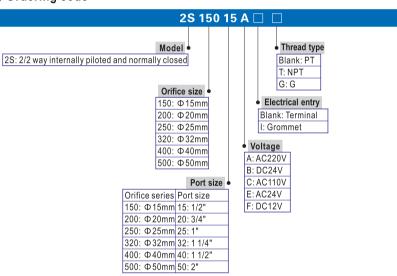
Towns Marine	Type Port Orifice s			Valid area or	Weight	Max.operating pressure	Proof pressure		
Type\Item	size1	(Φmm)	Cv	section(mm²)	②(g)	MPa	psi	MPa	psi
2S150-15	1/2"	15.0	5.50	100.0	675				
2S200-20	3/4"	20.0	9.50	170.0	875				
2S250-25	1"	25.0	12.50	220.0	1120	Max:1.0	Max:150 Min:10	1.5	220
2S320-32	1 1/4"	35.0	23.00	420.0	2700	Min:0.05			
2S400-40	1 1/2"	40.0	31.00	560.0	3250				
2S500-50	2"	50.0	49.00	880.0	4300				

- 1 PT thread, NPT thread and G thread are available.
- 2 The weight in the table is the terminal valve's weight, 2S150~250 series grommet valve's weight is 10g less than terminal's. 2S320~5000series grommet valve's weight is 20g less than terminal's.

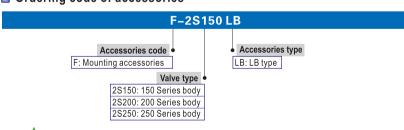
Specification of coil

Valve type	Coil type	Power type	Frequency (Hz)	Voltage range	Electrical entry	Power Consumption (VA/W)	Insulation	Temp. rise(℃)
2S150		۸.	50	± 15%		10.0VA		35
2S200 2S250	CDA116 CLA116		60	± 15%	(Terminal)	8.0VA		30
2S250	OLITTIO	DC	_	± 10% (CDA)		6.5W	Class B	30
2S320		۸.	50	± 15%	(Grommet)	25.0VA	Class D	60
2S400	CLAITO		60	± 13%	(CLA)	22.0VA		55
2S500	02/11/0	DC	_	± 10%		10.5W		40

Ordering code



Ordering code of accessories

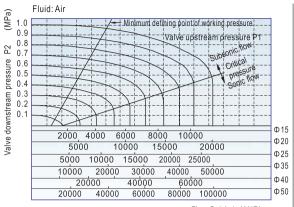


Note: 120\400\500 series valves do not have mounting accessories.

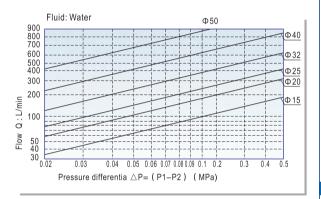
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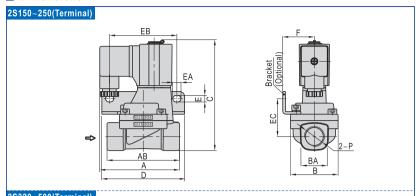
■ Flow chart

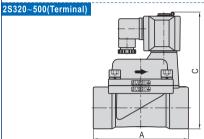


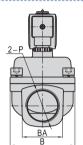
Flow Q: L/min(ANR)



Dimensions

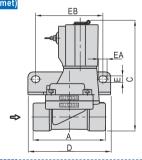


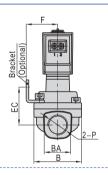




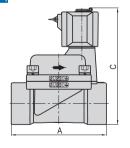
Type\Item	Α	AB	В	ВА	С	D	Е	EΑ	EB	EC	F	Р
2S150-15	77	70	46	27.5	107	80	6.4	8	65	36.5	30.5	1/2"
2S200-20	78.5	82	53	33.5	115.5	90	6.4	8	75	40	34	3/4"
2S250-25	81	92	59	40.5	124	95	6.4	8	80	44.5	36	1"
2S320-32	125	-	80	52	154.5	-	_	-	-	-	-	1 1/4"
2S400-40	132	-	90	58	162	_	_	-	-	-	-	1 1/2"
2S500-50	150	-	100	70	177	-	-	-	-	-	-	2"

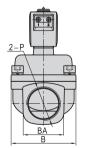






2S320~500(Grommet)





Type\Item	Α	В	ВА	С	D	Е	EΑ	EB	EC	F	Р
2S150-15	70	46	27.5	107	80	6.4	8	65	36.5	30.5	1/2"
2S200-20	82	53	33.5	115.5	90	6.4	8	75	40	34	3/4"
2S250-25	92	59	40.5	124	95	6.4	8	80	44.5	36	1"
2S320-32	125	80	52	154.5	-	-	-	-	-	_	1 1/4"
2S400-40	132	90	58	162	-	-	-	-	-	-	1 1/2"
2S500-50	150	100	70	177	_	-	_	_	_	_	2"