

YCD11/21

Diaphragm Pilot Operated

3/8—8" 2 WAY NC/NO

Characteristic: 1. Pilot operated diaphragm construction with less power consumption for longtime working;
2. Applied to pressure system opened from 0.3 bar;
3. Lifespan can be at 1 million cycles.

Medium: Air, Water, Oil, etc.

Temperature: NBR Seal: -10°C to 80°C
EPDM Seal: -30°C to 120°C
VITON Seal: -30°C to 150°C

Pressure: YCD11: 0.03~1.6Mpa NC
YCD21: 0.03~1.0Mpa NC
YCD22: 0.03~1.0Mpa NO
YCD71: 0.03~1.0Mpa NC

Port Size: 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2",
F2 1/2", F3", F4", F6", F8",

Port Thread: G, BSP, NPT, FLANGE

Orifice (mm): 12, 15, 20, 25, 32, 40, 50, 65, 80, 100, 125, 150

Voltage: DC - 12V, 24V
AC - 24V, 120V, 240V/60Hz; 110V, 220V/50Hz

Tolerance: +/- 10%

Coils: S21B, 24VA(AC), 18W(DC), IP65, 100%ED
S91B, 22VA(AC), 17W(DC), IP65, 100%ED
SA11B, 9VA(AC), 6W(DC), IP65, 100%ED

Special coils: EX coil AC 220 V, DC 24 V;
Latching coil. DC 6 ~ 12 V on request)
Equivalent code YCL11 series
NASS COIL 0543 is suitable for YCD21

Material: Body- Brass or Stainless Steel
Seal -VITON,NBR,EPDM
Armature Tube - Stainless Steel 304
Plunger - Stainless Steel 430F
Stop- Stainless Steel 430F
Springs- SS 304
Shading Rings- Copper



YCD21



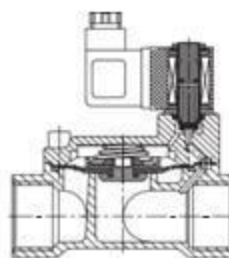
EX1421

S91B

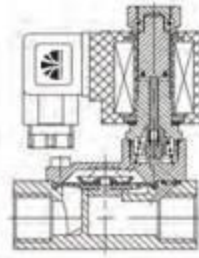
S11B

S21B

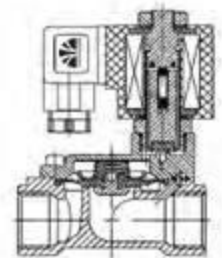
SC22B



NC



NO



NC

YCD11 Series Normally Closed, with Coil S21B,DIN

		Cv				Seals Material	Body Material	Coil
			0.03MPa	1.6MPa	1.6MPa			
	3/8"	12	4.5	0.03MPa	1.6MPa	NBR, EPDM, or VITON	Brass, or Stainless Steel	S21B
	1/2"	15	4.5	0.03MPa	1.6MPa			S21B
	3/4"	20	9.3	0.03MPa	1.6MPa			S21B
	1"	25	12	0.03MPa	1.6MPa			S21B
	1 1/4"	32	24	0.03MPa	1.6MPa			S21B
	1 1/2"	40	29	0.03MPa	1.6MPa			S21B
	2"	50	48	0.03MPa	1.6MPa			S21B
YCD1165 X X X	F2 1/2"	65	68	0.03MPa	1.6MPa			S21B
YCD1180 X X X	F3"	80	100	0.03MPa	1.6MPa			S21B
YCD1100 X X X	F4"	100	175	0.03MPa	1.6MPa			S21B
YCD1125 X X X	F5"	125	260	0.03MPa	1.6MPa	S21B		
YCD1150 X X X	F6"	150	250	0.03MPa	1.6MPa	S21B		

YCD11/21

YCD21 Series Normally Closed, with Coil S91B,DIN

	Orifice (mm)		Cv				Seals Material	Body Material	Coil
	3/8"	12	4.5	0.03MPa	1.0MPa	1.0MPa	NBR, EPDM, or VITON	Brass, or Stainless Steel	S91B
	1/2"	15	4.5	0.03MPa	1.0MPa	1.0MPa			S91B
	3/4"	20	9.3	0.03MPa	1.0MPa	1.0MPa			S91B
	1"	25	12	0.03MPa	1.0MPa	1.0MPa			S91B
	1.14"	32	24	0.03MPa	1.0MPa	1.0MPa			S91B
	1.12"	40	29	0.03MPa	1.0MPa	1.0MPa			S91B
	2"	50	48	0.03MPa	1.0MPa	1.0MPa			S91B
	F2 1/2"	65	68	0.03MPa	1.0MPa	1.0MPa			S91B
	F3"	80	100	0.03MPa	1.0MPa	1.0MPa			S91B
	F4"	100	175	0.03MPa	1.0MPa	1.0MPa			S91B
	F5"	125	200	0.03MPa	1.0MPa	1.0MPa			S91B
YCD21150 X.XX	F6"	150	250	0.03MPa	1.0MPa	1.0MPa			S91B

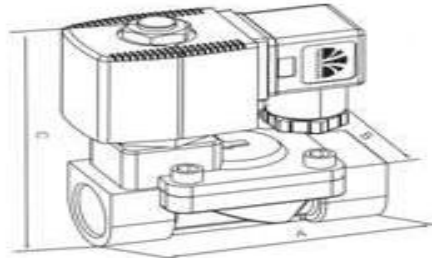
Dimension(mm)

YCD11 series NC

Body (mm)	DN15	DN20	DN25	DN32	DN40	DN50
A	75	83	100	130	130	156
B	48	56	72	96	96	122
C	106	115	118	147	147	161

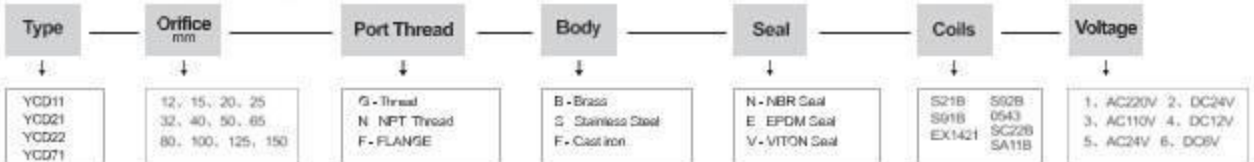
YCD21 series NC

Body (mm)	DN15	DN20	DN25	DN32	DN40	DN50
A	75	83	100	130	130	156
B	48	60	70	92	92	113
C	100	110	123	142	142	156



YCD21 Series

Determine Valve Body Code



Example: YCD11 15 GBN S21B1, YCD11 SERIES, N.C., 15MM ORIFICE, 1/2" G, BRASS BODY, NBR SEAL, COIL S21B, AC220V, DIN.