

YCPS31 Series

3/8"~2 WAY Direct Lifting Piston NC

Characteristic: 1. Direct lifting piston construction with high frequency
2. Opened from 0 pressure with large flow rate
3. Applied to low pressure system

Medium: Steam, Hot Water, Oil, Civil gas

Temperature: PTFE Seal: -60°C to 200°C
VITON Seal: -30°C to 150°C

Pressure: YCPS31: 0.00MPa ~ 1.0MPa

Port Size: 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"

Port Thread: BSPP, BSPT, NPT, Flange

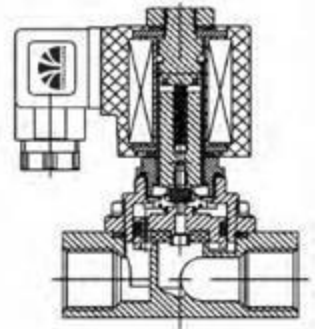
Orifice (mm): 12, 15, 20, 25, 32, 40, 50

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

Tolerance: +/- 10%

Coils: S21H, 24VA(AC), 18W(DC), IP65,100%ED
SD01H, 24VA(AC), 18W(DC), IP65,100%ED

Material: Body - Stainless steel
Seal -PTFE or VITON
Armature Tube - Stainless Steel 304
Plunger - Stainless Steel 430F
Stop - SS430F
Springs - SS 304
Shading Rings - Copper
Piston: SS304



YCPS31 Normally Closed, with Coil S21H/SD01H

	Orifice (mm)	Cv				Seals Material	Body Material	Coil	
			0.0MPa	1.0MPa	1.0MPa				
	3/8"	12	4.5	0.0MPa	1.0MPa	PTFE or VITON	SUS304	S21H	
	1/2"	15	4.5	0.0MPa	1.0MPa			1.0MPa	S21H
	3/4"	20	9.3	0.0MPa	1.0MPa			1.0MPa	S21H
	1"	25	12	0.0MPa	1.0MPa			1.0MPa	S21H
	1 1/4"	32	24	0.0MPa	1.0MPa			1.0MPa	SD01H
	1 1/2"	40	29	0.0MPa	1.0MPa			1.0MPa	SD01H
	2"	50	48	0.0MPa	1.0MPa			1.0MPa	SD01H
	F 1"	25	12	0.0MPa	1.0MPa			1.0MPa	S21H
YCPS3132 F X X	F 1 1/4"	32	24	0.0MPa	1.0MPa			1.0MPa	SD01H
YCPS3140 F X X	F 1 1/2"	40	29	0.0MPa	1.0MPa			1.0MPa	SD01H
YCPS3150 F X X	F 2"	50	48	0.0MPa	1.0MPa			1.0MPa	SD01H

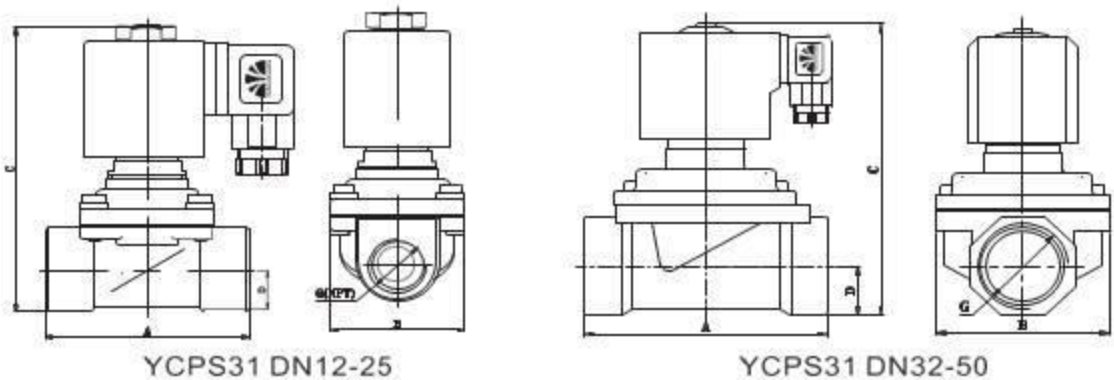
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Determine Valve Body Code

Type	Orifice mm	Port Thread	Body	Seal	Coils	Voltage
↓	↓	↓	↓	↓	↓	↓
YCPS31	12, 15, 20, 25, 32, 40, 50	F - Flange N - NPT Thread G - GSP	S - Stainless steel	P - PTFE Seal V - VITON Seal	S21B SD01B	1, AC220V 2, DC24V 3, AC110V 4, DC12V 5, AC24V 6, DO9V

EXAMPLE : YCPS31 25 GSP S21H2 YCPS31 SERIES, N.C., 25MM ORIFICE, 1" G, STAINLESS STEEL BODY, PTFE SEAL, COIL S21H, AC220V, DIN.

Dimension(mm)



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Body (mm)	YCPS3112 X X X	YCPS3115 X X X	YCPS3120 X X X	YCPS3125 X X X	YCPS3132 X X X	YCPS3140 X X X	YCPS3150 X X X
A	75	75	83	100	130	130	157
B	48	60	56	72	96	96	122
C	104.5	104.5	112.5	123	170	170	183
D	13	13	16	20	26	26	34