

Direct acting 3-way

YCG31/32/61



- Characteristic: 1. Direct acting solenoid valve.
2. Compact structure saves space.

Medium: air, water, oil, Steam

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

Pressure: YCG31: 0 ~ 2.0MPa
YCG32: 0 ~ 2.8MPa
YCG61: 0 ~ 1.5MPa

Port Thread: NPT, G, Flange

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

Orifice (mm): 1.0, 1.5, 2.0, 2.5, 3.0, 4.0

Voltage: DC-12V, 24V

AC-24V, 120V, 240V/60Hz; 110V, 220V/50Hz

Scope: ±10%

Coils: S91B, 22VA(AC), 17W(DC), Ip65, 100%ED
S11B, 22VA(AC), 15W(DC), Ip65, 100%ED
SA31B, 15VA(AC), 12W(DC), Ip65, 100%ED

Material: Body-Brass, stainless steel
Seal -Viton/NBR/EPDM
Armature - SUS304
Plunger - 1J117
Stop - 1J117
Springs - SUS304
Shading Rings - Copper



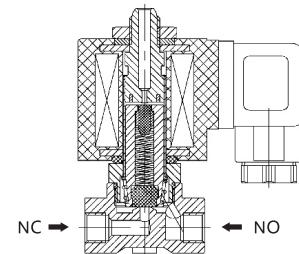
YCG31



YCG31



YCG61



YCG31, 3-way with coil S91B, NC

Valve Body	Port size	Orifice (mm)	Top (mm)	Cv	Min Pressure	Max Pressure		Seals Material	Body Material	Coil
						AC(22VA)	DC(17W)			
YCG3110XXXX	1/8", 1/4"	1.0	1.5	0.25	0.0MPa	2.0MPa	2.0MPa	NBR EPDM Viton	Brass ss304	S91B
YCG3116XXXX	1/8", 1/4"	1.6	1.5	0.25	0.0MPa	1.6MPa	1.6MPa			S91B
YCG3120XXXX	1/8", 1/4"	2.0	1.5	0.35	0.0MPa	1.4MPa	1.4MPa			S91B
YCG3125XXXX	1/8", 1/4"	2.5	1.5	0.25	0.0MPa	0.9MPa	0.9MPa			S91B
YCG3130XXXX	1/8", 1/4"	3.0	1.5	0.25	0.0MPa	0.6MPa	0.6MPa			S91B
YCG3135XXXX	1/8", 1/4"	3.5	1.5	0.35	0.0MPa	0.5MPa	0.5MPa			S91B
YCG3140XXXX	1/8", 1/4"	4.0	1.5	0.35	0.0MPa	0.4MPa	0.4MPa			S91B

YCG32, 3-way with coil S91B, NO

Valve Body	Port size	Orifice (mm)	Top (mm)	Cv	Min Pressure	Max Pressure		Seals Material	Body Material	Coil
						AC(22VA)	DC(17W)			
YCG3210XXXX	1/8", 1/4"	1.0	1.5	0.25	0.0MPa	2.8MPa	2.8MPa	NBR EPDM Viton	Brass ss304	S91B
YCG3216XXXX	1/8", 1/4"	1.6	1.5	0.25	0.0MPa	2.5MPa	2.5MPa			S91B
YCG3220XXXX	1/8", 1/4"	2.0	1.5	0.35	0.0MPa	2.0MPa	2.0MPa			S91B
YCG3225XXXX	1/8", 1/4"	2.5	1.5	0.50	0.0MPa	1.6MPa	1.6MPa			S91B
YCG3230XXXX	1/8", 1/4"	3.0	1.5	0.25	0.0MPa	1.2MPa	1.2MPa			S91B
YCG3235XXXX	1/8", 1/4"	3.5	1.5	0.35	0.0MPa	1.0MPa	1.0MPa			S91B
YCG3240XXXX	1/8", 1/4"	4.0	1.5	0.4	0.0MPa	0.8MPa	0.8MPa			S91B

YCG61, 3-way with coil SA31B, NO

Valve Body	Port size	Orifice (mm)	Top (mm)	Cv	Min Pressure	Max Pressure		Seals Material	Body Material	Coil
						AC(15VA)	DC(12W)			
YCG6116XXXX	F	1.6	1.5	0.25	0.0MPa	1.5MPa	1.5MPa	NBR EPDM Viton	Brass ss304	SA31B
YCG6125XXXX	F	2.5	1.5	0.25	0.0MPa	1.2MPa	1.2MPa			SA31B
YCG6130XXXX	F	3.0	1.5	0.35	0.0MPa	0.9MPa	0.9MPa			SA31B
YCG6140XXXX	F	4.0	1.5	0.50	0.0MPa	0.6MPa	0.6MPa			SA31B
YCG6116XXXX	F	1.6	1.5	0.25	0.0MPa	1.5MPa	1.5MPa			SA31B
YCG6125XXXX	F	2.5	1.5	0.35	0.0MPa	1.2MPa	1.2MPa			SA31B
YCG6130XXXX	F	3.0	1.5	0.4	0.0MPa	0.9MPa	0.9MPa			SA31B
YCG6140XXXX	F	4.0	1.5	0.61	0.0MPa	0.6MPa	0.6MPa			SA31B

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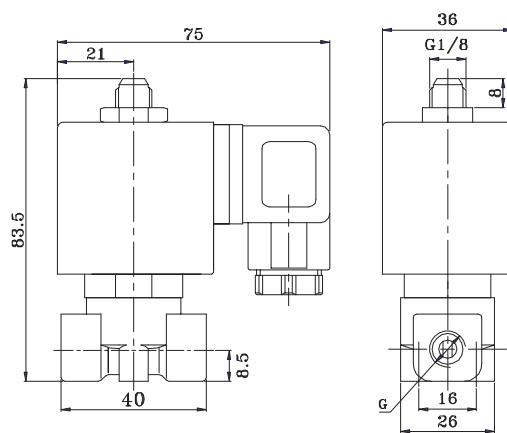


Determine valve body code

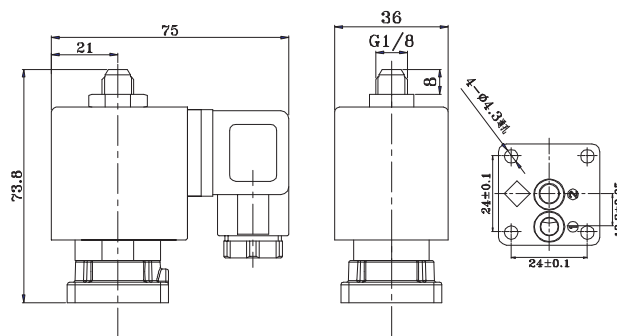
Type	Orifice (mm)	Port Size	Port Thread	Body Material	Seals Material	Coil	Voltage
YCG31 YCG32 YCG61	10 - 1.0 16 - 1.6 25 - 2.5 30 - 3.0 35 - 3.5 40 - 4.0	1 - 1/8" 2 - 1/4"	G - G/BSP N - NPT Thread F - Flange	B - Brass S - SS304	N - NBR E - EPDM V - Viton	S91B SA11B	1、AC220V 2、DC24V 3、AC110V 4、DC12V 5、AC24V 6、DC6V

Example : YCG31-16-1-GBN-S91B1, YCG31 series, NC, 1.6mmOrifice , G1/8" Port Thread, brass body,NBR Seals , coil S91B, AC220V,DIN.

Dimension(mm)



YCG31/32



YCG61 Plated