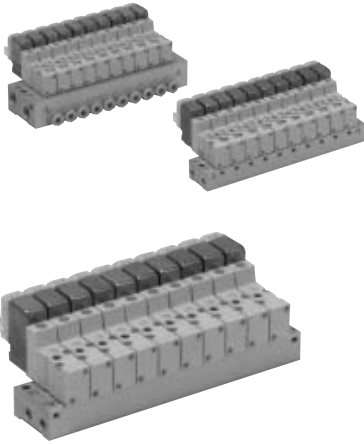


Series SYJ300

Manifold Specifications



Manifold Specifications

Model	For internal pilot	Type 20	Type 41, S41	Type 42, S42
	For external pilot	Type 20R	—	Type 42R, S42R
Manifold type		Single base/B mount		
P (SUP), R (EXH)		Common SUP/Common EXH		
Valve stations		2 to 20 stations		
A port Porting specifications	Location	Valve	Base	
	Direction	Top	Side	
Port size	P, R port	M5 x 0.8 1/8	M5 x 0.8	1/8
		A port	M3 x 0.5	M5 x 0.8 C4 (One-touch fitting ø4)
	X port ^{Note)}	M5 x 0.8	—	M5 x 0.8



Note) Only for external pilot

Flow Characteristics

Manifold			Port size		Flow characteristics						Effective area (mm ²)
					1 → 2 (P → A)			2 → 3 (A → R)			
			1(P), 3(R) Port	2(A) Port	C [dm ³ /(s bar)]	b	Cv	C [dm ³ /(s bar)]	b	Cv	
Body ported for internal pilot	Type SS3YJ3-20	SYJ3□2	M5 x 0.8	M3 x 0.5	—	—	—	—	—	—	0.9
Base mounted for internal pilot	Type SS3YJ3-41 S41	SYJ3□4	M5 x 0.8	M3 x 0.5	—	—	—	—	—	—	1.5
	Type SS3YJ3-42-M5	SYJ3□4	1/8	M5 x 0.8	0.31	0.17	0.075	0.32	0.11	0.072	—
	Type SS3YJ3-42-C4			C4	0.33	0.36	0.086	0.33	0.2	0.082	—
	Type SS3YJ3-S42-M5	SYJ3□4	1/8	M5 x 0.8	0.32	0.3	0.079	0.33	0.35	0.086	—
	Type SS3YJ3-S42-C4			C4	0.35	0.17	0.082	0.35	0.26	0.086	—
Body ported for external pilot	Type SS3YJ3-20R	SYJ3□2R	1/8	M3 x 0.5	—	—	—	—	—	—	0.9
Base mounted for external pilot	Type SS3YJ3-42R-M5	SYJ3□4R	1/8	M5 x 0.8	0.31	0.17	0.075	0.32	0.11	0.072	—
	Type SS3YJ3-42R-C4			C4	0.33	0.36	0.086	0.33	0.20	0.082	—
	Type SS3YJ3-S42R-M5	SYJ3□4R	1/8	M5 x 0.8	0.32	0.30	0.079	0.33	0.35	0.086	—
	Type SS3YJ3-S42R-C4			C4	0.35	0.17	0.082	0.35	0.26	0.086	—



Note) Value at manifold base mounted, 2 position single acting

How to Order Manifold (Example)

Instruct by specifying the valves and blanking plate assembly to be mounted on the manifold along with the manifold base model no.

Example:

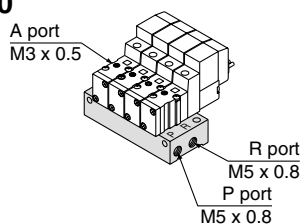
- SS3YJ3-20-03 1 set (Manifold base)
- SS3YJ3-42R-03-C4 1 set (Manifold base)
- * SYJ312-5LZ-M3 2 sets (Valve)
- * SYJ314R-5G 2 sets (Valve)
- * SYJ300-10-1A 1 set (Blanking plate assembly)
- * SYJ300-10-2A 1 set (Blanking plate assembly)

↳ The asterisk denotes the symbol for assembly. Prefix it to the part nos. of the solenoid valve, etc.

Series SYJ300

Manifold for Internal Pilot Type

Type 20



How to Order

SS3YJ3-20-05

Stations	
02	2 stations
:	:
20	20 stations

Bracket	
Nil	Without bracket
F	With bracket

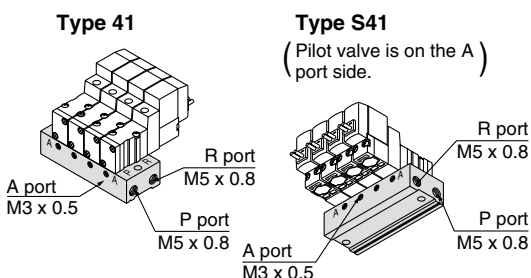
Applicable solenoid valve
 SYJ312-□□□□-M3
 SYJ312M-□□□□-M3
 SYJ322-□□□□-M3
 SYJ322M-□□□□-M3

Applicable blanking plate assembly
 SYJ300-10-1A



Note) For more than 10 stations, supply air to both sides of P port and exhaust air from both sides of R port.

Type 41



How to Order

SS3YJ3-41-05-M3

Valve mounting direction

Nil	Pilot valve is opposite the A port side.
S	Pilot valve is on the A port side.

Stations	
02	2 stations
:	:
20	20 stations

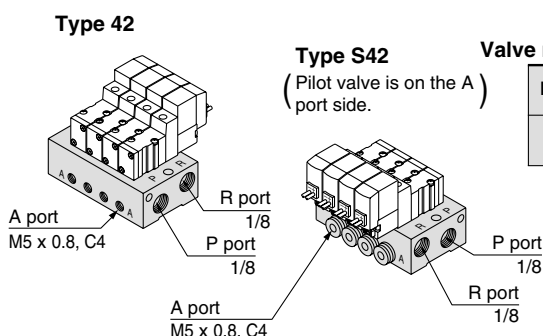
Applicable solenoid valve
 SYJ314-□□□□
 SYJ314M-□□□□
 SYJ324-□□□□
 SYJ324M-□□□□

Applicable blanking plate assembly
 SYJ300-10-2A



Note) For more than 10 stations, supply air to both sides of P port and exhaust air from both sides of R port.

Type 42



How to Order

SS3YJ3-42-05-M5

Valve mounting direction

Nil	Pilot valve is opposite the A port side.
S	Pilot valve is on the A port side.

Stations	
02	2 stations
:	:
20	20 stations

A port size

M5	M5 x 0.8
C4	ø4 One-touch fitting
N3	ø5/32" One-touch fitting

Applicable solenoid valve
 SYJ314-□□□□
 SYJ314M-□□□□
 SYJ324-□□□□
 SYJ324M-□□□□

Applicable blanking plate assembly
 SYJ300-10-2A

P, R port thread type

Nil	Rc
F	G
N	NPT
T	NPTF

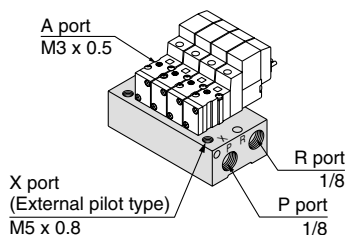


Note) For more than 8 stations, supply/exhaust air to/from both sides of P port and R port.

Manifold for External Pilot Type

Pilot valve pressure is supplied separately from the main valve pressure through the use of a separate supply port. It can be used in the vacuum (up to -100 kPa) or low pressure line with 0.15 MPa or less.

Type 20R



How to Order

SS3YJ3-20R-05

Stations	
02	2 stations
:	:
20	20 stations

P, R port thread type

Nil	Rc
00F	G
00N	NPT
00T	NPTF

Applicable solenoid valve
 SYJ312R-□□□□
 SYJ322R-□□□□

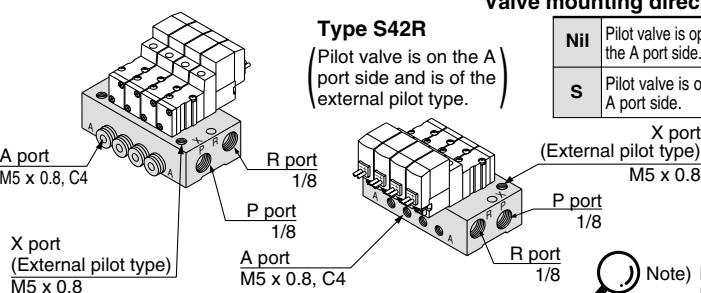
Applicable blanking plate assembly
 SYJ300-10-1A



Note) For more than 10 stations, supply/exhaust air to/from both sides of P port and R port.

Type 42R

Type 42R
(External pilot type)



How to Order

SS3YJ3-42R-05-M5

Valve mounting direction

Nil	Pilot valve is opposite the A port side.
S	Pilot valve is on the A port side.

Stations	
02	2 stations
:	:
20	20 stations

A port size

M5	M5 x 0.8
C4	ø4 One-touch fitting
N3	ø5/32" One-touch fitting

Applicable solenoid valve
 SYJ314R-□□□□
 SYJ324R-□□□□

Applicable blanking plate assembly
 SYJ300-10-2A

P, R port thread type

Nil	Rc
F	G
N	NPT
T	NPTF



Note) For more than 8 stations, supply/exhaust air to/from both sides of P port and R port.