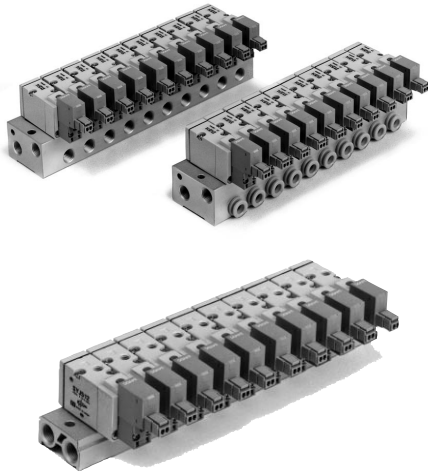


Series SYJ500 Manifold



Manifold Specifications

Type	For internal pilot	20	40	41
	For external pilot	21R	40R	41R
Manifold style		Single base style B/mount		
P(SUP)/R(EXH) style		Common SUP/Common EXH		
Valve stations		2 to 20		
A port specifications	Location	Valve	Base	
	Direction	Top	Bottom	Side
Port size	P/R port	Rc (PT) 1/8	Rc (PT) 1/8	Rc (PT) 1/8
	A port	M5 X 0.8	M5 X 0.8 Rc (PT) 1/8	M5 X 0.8, Rc (PT) 1/8, C4 (ø4 One-touch fitting) C6 (ø6 One-touch fitting)
	X port ⁽¹⁾	M5 X 0.8	M5 X 0.8	M5 X 0.8
Valve effective area (mm ²)(Cv) ⁽²⁾	Body ported style SYJ5□2/SYJ5□2R	3.4 (0.19)	—	
	Base mounted style SYJ5□4/SYJ5□4R	—	M5: 3.8 (0.21) 1/8: 4.7 (0.26)	M5: 3.3 (0.18) 1/8: 4.8 (0.27) C4, C6: 3.8 (0.21)



Note 1) Only for external pilot

Note 2) Value when used on a manifold

How to Order Manifold Assembly

Specify the part numbers for the valve(s), blank plate assembly, and manifold base.

Example:

SS3YJ5-20-031 pc. (Manifold base)

SYJ512-5LZ-M52 pcs. (Valve)

SYJ500-10-1A1 pc. (Blank plate ass'y)

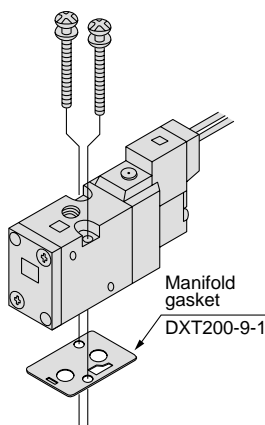
SS3YJ5-41R-03-C61 pc. (Manifold base)

SYJ514R-5G2 pcs. (Valve)

SYJ500-10-3A1 pc. (Blank plate ass'y)

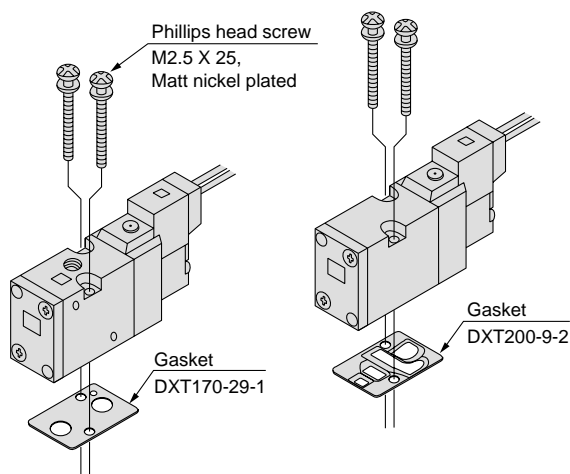
Combinations of Solenoid Valve, Manifold Gasket and Manifold Base

Body ported (SYJ5□2)



Applicable base
SS3YJ5-21R
Manifold base

Base mounted (SYJ5□4)

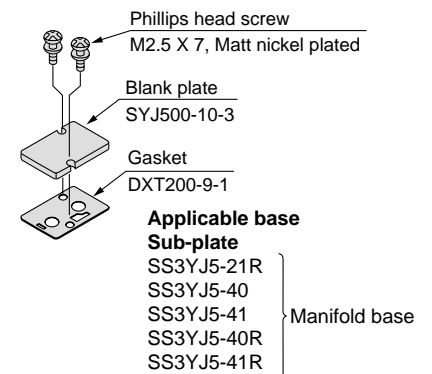


Applicable base
SS3YJ5-20
Manifold base

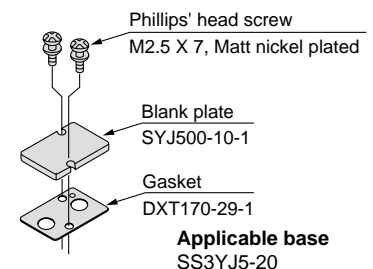
Applicable base
Sub-plate
SS3YJ5-40
SS3YJ5-41
SS3YJ5-40R
SS3YJ5-41R } Manifold base

Blank Plate Assembly

SYJ500-10-3A

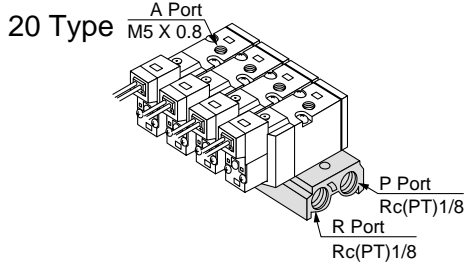


SYJ500-10-1A



Series SYJ500

Manifolds for Internal Pilot



How to Order

SS3YJ5-20-05

Stations

02	2 stations
:	:
20	20 stations



Note) If more than 6 stations, supply air to both sides of "P" port and exhaust air from both sides of "R" port.

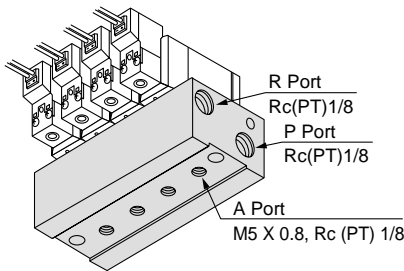
Applicable solenoid valve

SYJ512-□□□□-M5
SYJ512M-□□□□-M5
SYJ522-□□□□-M5
SYJ522M-□□□□-M5

Applicable blank plate ass'y

SYJ500-10-1A

40 Type



How to Order

SS3YJ5-40-05-M5

Stations

02	2 stations
:	:
20	20 stations



Note) If more than 9 stations, supply air to both sides of "P" port and exhaust air from both sides of "R" port.

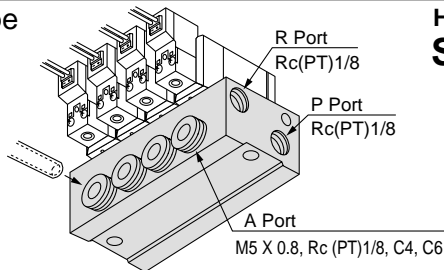
Applicable solenoid valve

SYJ514-□□□□
SYJ514M-□□□□
SYJ524-□□□□
SYJ524M-□□□□

Applicable blank plate ass'y

SYJ500-10-3A

41 Type



How to Order

SS3YJ5-41-05-C6

Stations

02	2 stations
:	:
20	20 stations



Note) If more than 9 stations, supply air to both sides of "P" Port and exhaust air from both sides of "R" port.

Applicable solenoid valve

SYJ514-□□□□
SYJ514M-□□□□
SYJ524-□□□□
SYJ524M-□□□□

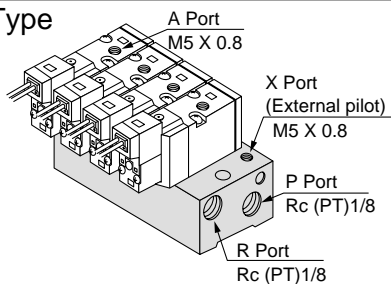
Applicable blank plate ass'y

SYJ500-10-3A

Manifolds for External Pilot

Pilot valve pressure is isolated from main valve pressure through a separate supply line. This is suitable for vacuum (up to -100kPa) and low pressure 0.15MPa applications.

21R Type



How to Order

SS3YJ5-21R-05

Stations

02	2 stations
:	:
20	20 stations



Note) If more than 9 stations, supply air to both sides of "P" or "R" port and exhaust air from both sides of "R" or "P" port.

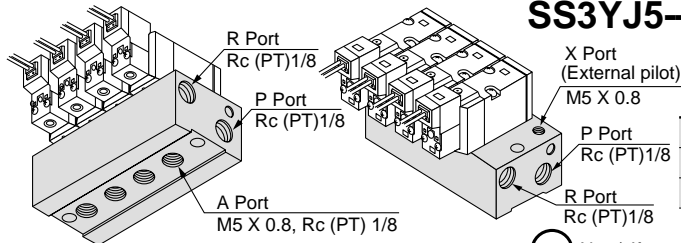
Applicable solenoid valve

SYJ512R-□□□□-M5
SYJ522R-□□□□-M5

Applicable blank plate ass'y

SYJ500-10-3A

40R Type



How to Order

SS3YJ5-40R-05-01

Stations

02	2 stations
:	:
20	20 stations



Note) If more than 9 stations, supply air to both sides of "P" or "R" port and exhaust air from both sides of "R" or "P" port.

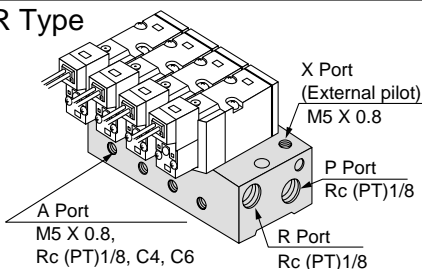
Applicable solenoid valve

SYJ514R-□□□□
SYJ524R-□□□□

Applicable blank plate ass'y

SYJ500-10-3A

41R Type



How to Order

SS3YJ5-41R-05-M5

Stations

02	2 stations
:	:
20	20 stations



Note) If more than 9 stations, supply air to both sides of "P" or "R" port and exhaust air from both sides of "R" or "P" port.

Applicable solenoid valve

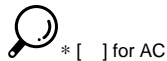
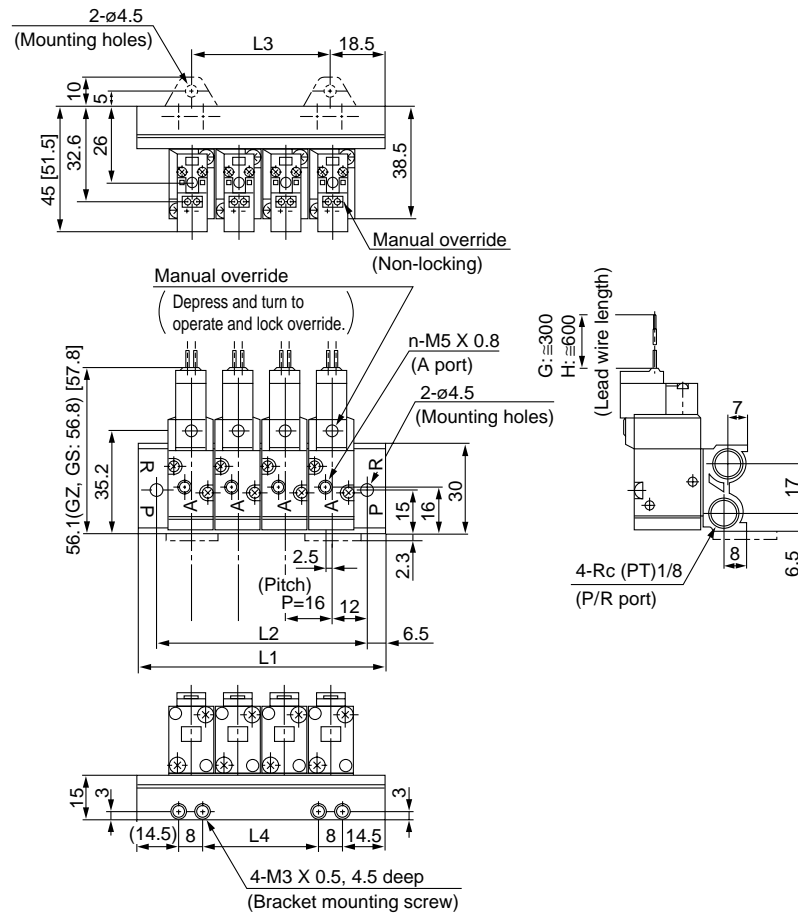
SYJ514R-□□□□
SYJ524R-□□□□

Applicable blank plate ass'y

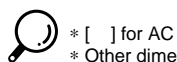
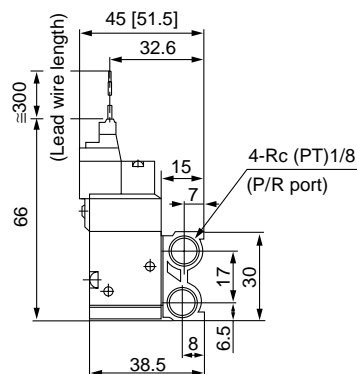
SYJ500-10-3A

20 Type Manifold: Top Ported/SS3YJ5-20-Station (-F)

Grommet (G), (H)

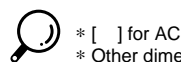
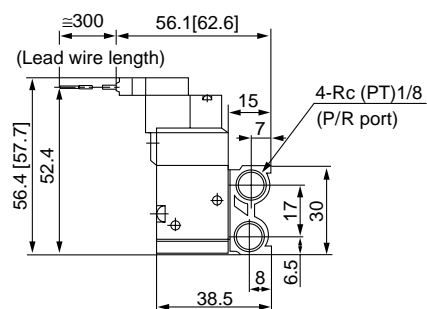


L plug connector (L)



* Other dimensions are the same as the grommet.

M plug connector (M)



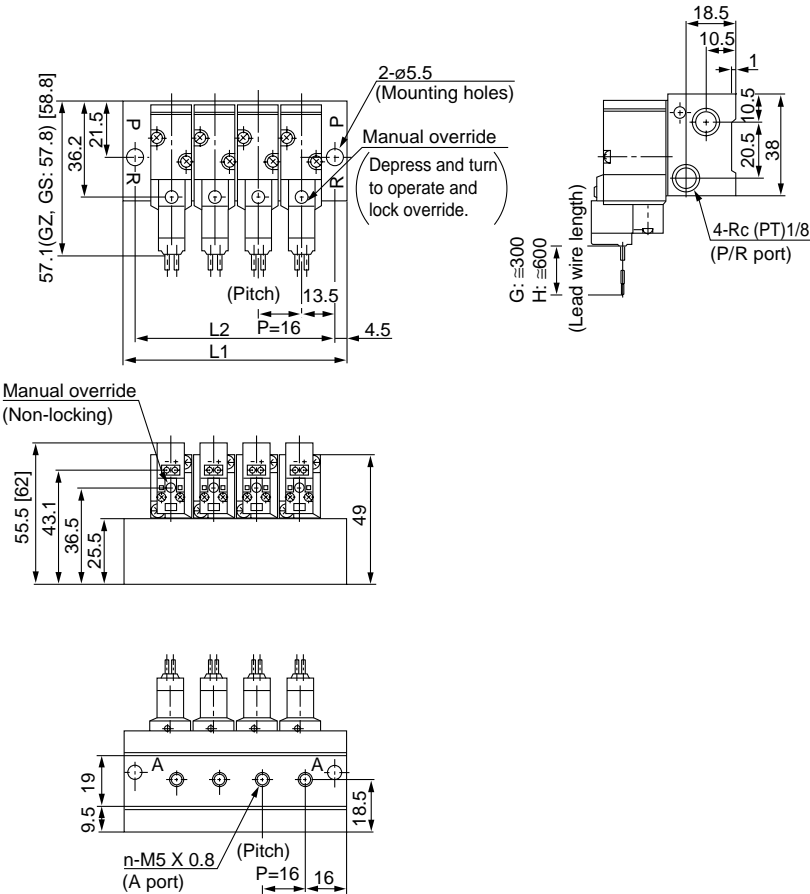
* Other dimensions are the same as the grommet.

Station	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	53	69	85	101	117	133	149	165	181	197	213	229	245	261	277	293	309	325	341
L2	40	56	72	88	104	120	136	152	168	184	200	216	232	248	264	280	296	312	328
L3	16	32	48	64	80	96	112	128	144	160	176	192	208	224	240	256	272	288	304
L4	8	24	40	56	72	88	104	120	136	152	168	184	200	216	232	248	264	280	296

Series SYJ500

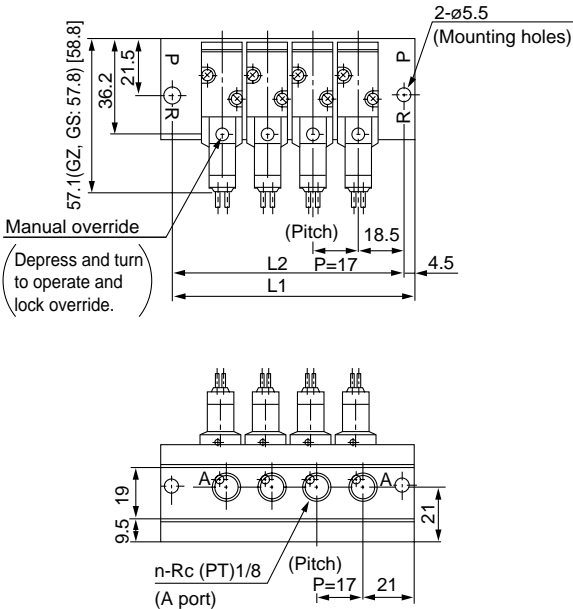
40 Type Manifold: Bottom Ported/SS3YJ5-40-Station -M5, 01

Grommet (G), (H)



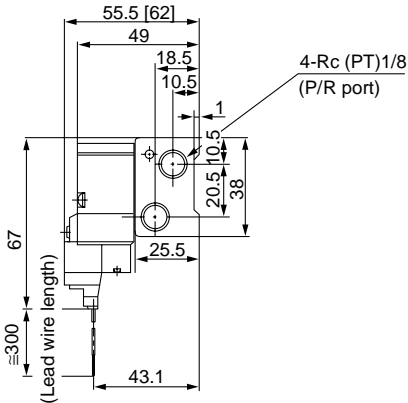
* [] for AC

Rc (PT)1/8



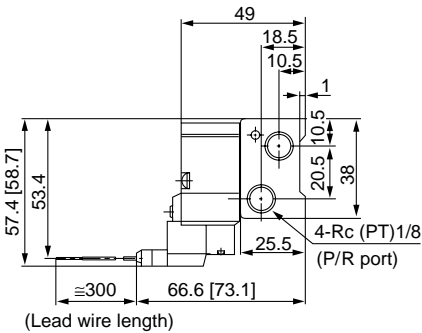
* [] for AC
* Other dimensions are the same as the M5.

L plug connector (L)



* [] for AC
* Other dimensions are the same as the grommet.

M plug connector (M)

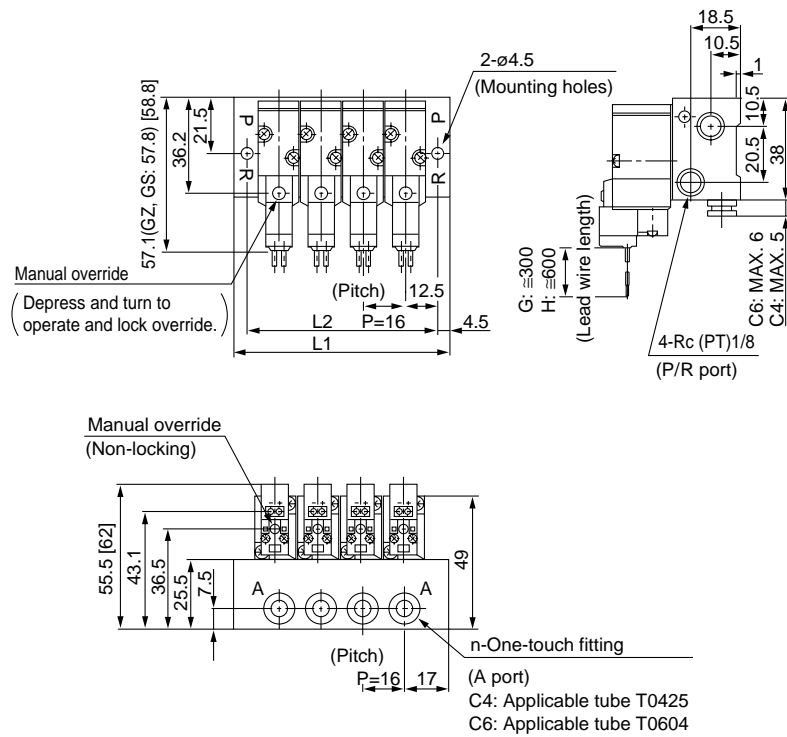


* [] for AC
* Other dimensions are the same as the grommet.

Port size	Station	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
M5	L1	52	68	84	100	116	132	148	164	180	196	212	228	244	260	276	292	308	324	340
	L2	43	59	75	91	107	123	139	155	171	187	203	219	235	251	267	283	299	315	331
Rc (PT) 1/8	L1	63	80	97	114	131	148	165	182	199	216	233	250	267	284	301	318	335	352	369
	L2	54	71	88	105	122	139	156	173	190	207	224	241	258	275	292	309	326	343	360

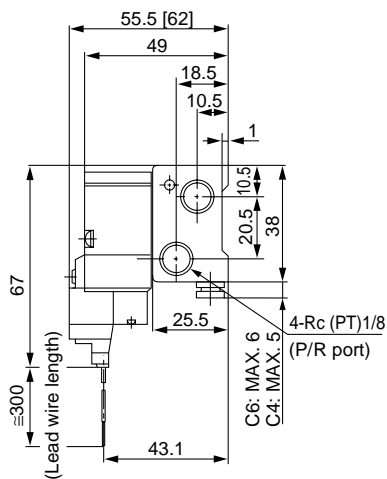
41 Type Manifold: Side Ported/SS3YJ5-41- Station -M5, 01, C4, C6

Grommet (G), (H)



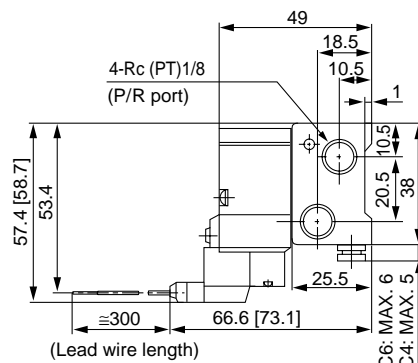
* [] for AC

L plug connector (L)



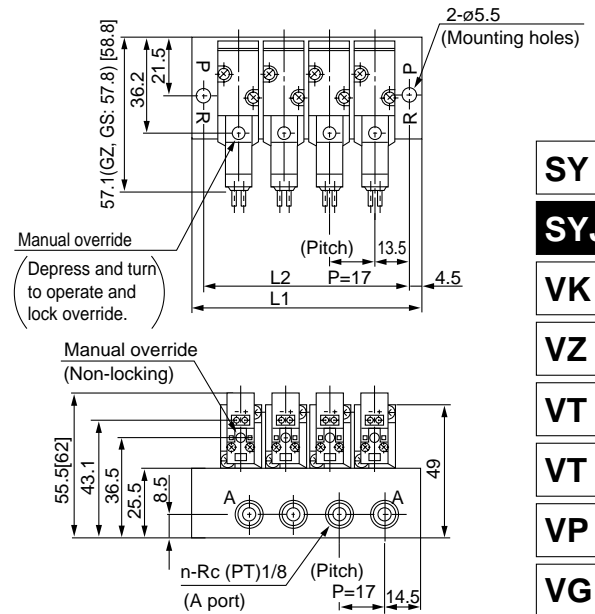
* [] for AC
* Other dimensions are the same as the grommet.

M plug connector (M)



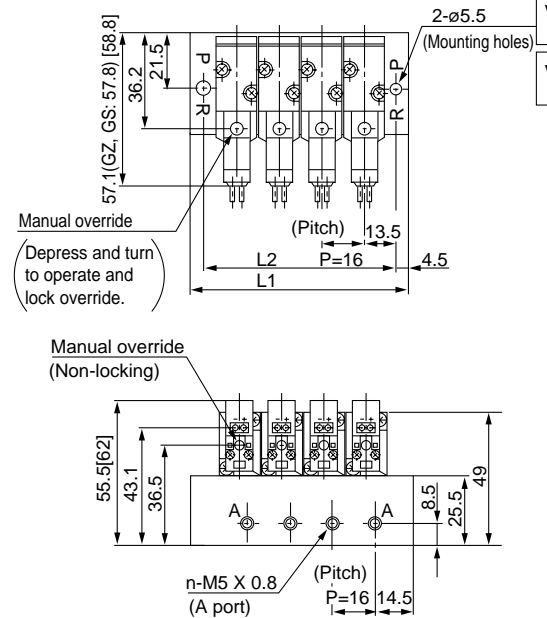
* [] for AC
* Other dimensions are the same as the grommet.

Rc (PT)1/8



* [] for AC
* Other dimensions are the same as the C4, C6.

With M5



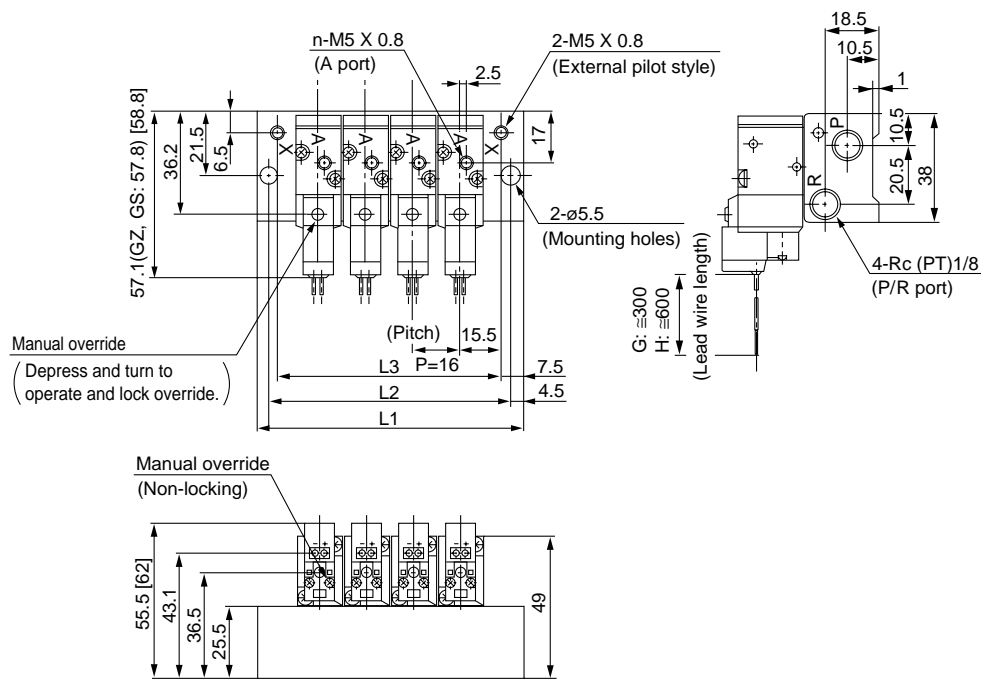
* [] for AC
* Other dimensions are the same as the C4, C6.

Port size	Station	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
M5	L1	52	68	84	100	116	132	148	164	180	196	212	228	244	260	276	292	308	324	340
	L2	43	59	75	91	107	123	139	155	171	187	203	219	235	251	267	283	299	315	331
Rc (PT)1/8	L1	53	70	87	104	121	138	155	172	189	206	223	240	257	274	291	308	325	342	359
	L2	44	61	78	95	112	129	146	163	180	197	214	231	248	265	282	299	316	333	350
One-touch fitting	L1	50	66	82	98	114	130	146	162	178	194	210	226	242	258	274	290	306	322	338
	L2	41	57	73	89	105	121	137	153	169	185	201	217	233	249	265	281	297	313	329

Series SYJ500

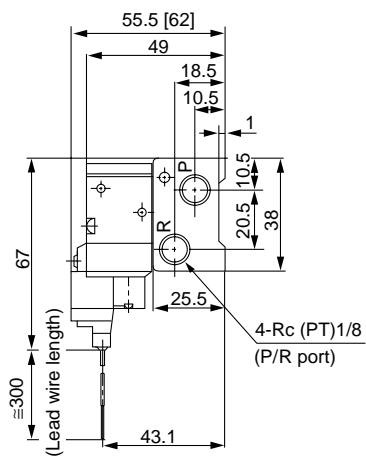
21R Type Manifold: Top Ported (External Pilot)/SS3YJ5-21R-Station

Grommet (G), (H)



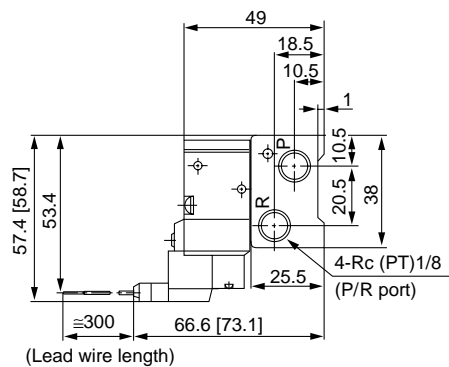
* [] for AC

L plug connector (L)



* [] for AC
* Other dimensions are the same as the grommet.

M plug connector (M)

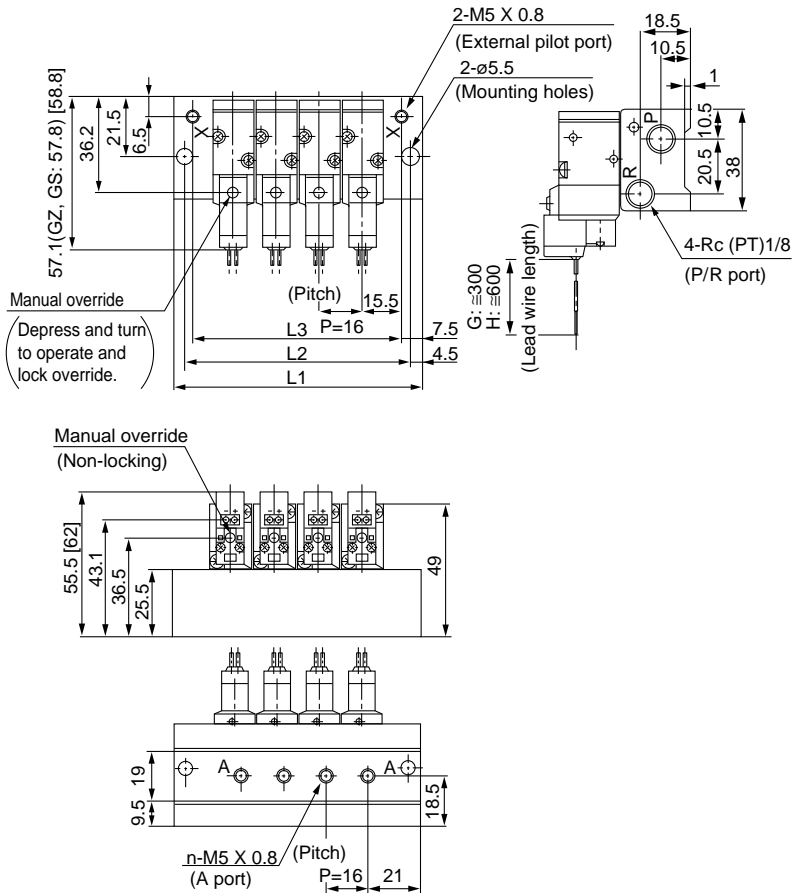


* [] for AC
* Other dimensions are the same as the grommet.

Station	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	62	78	94	110	126	142	158	174	190	206	222	238	254	270	286	302	318	334	350
L2	53	69	85	101	117	133	149	165	181	197	213	229	245	261	277	293	309	325	341
L3	47	63	79	95	111	127	143	159	175	191	207	223	239	255	271	287	303	319	335

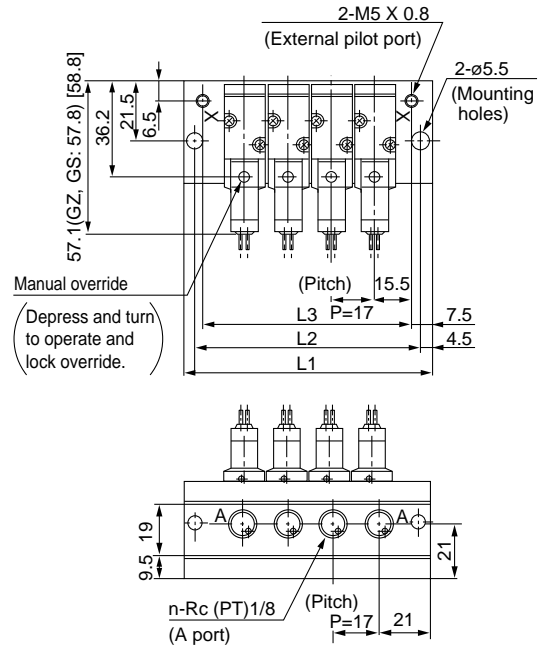
40R Type Manifold: Bottom Ported (External Pilot)/SS3YJ5-40R-Station -M5, 01

Grommet (G), (H)



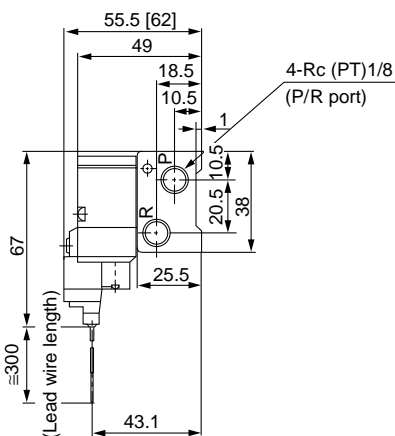
* [] for AC

Rc (PT)1/8



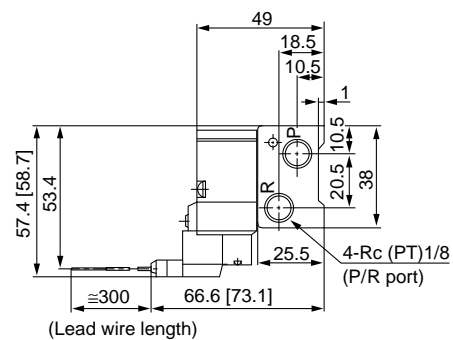
* [] for AC
* Other dimensions are the same as the M5.

L plug connector (L)



* [] for AC
* Other dimensions are the same as the grommet.

M plug connector (M)



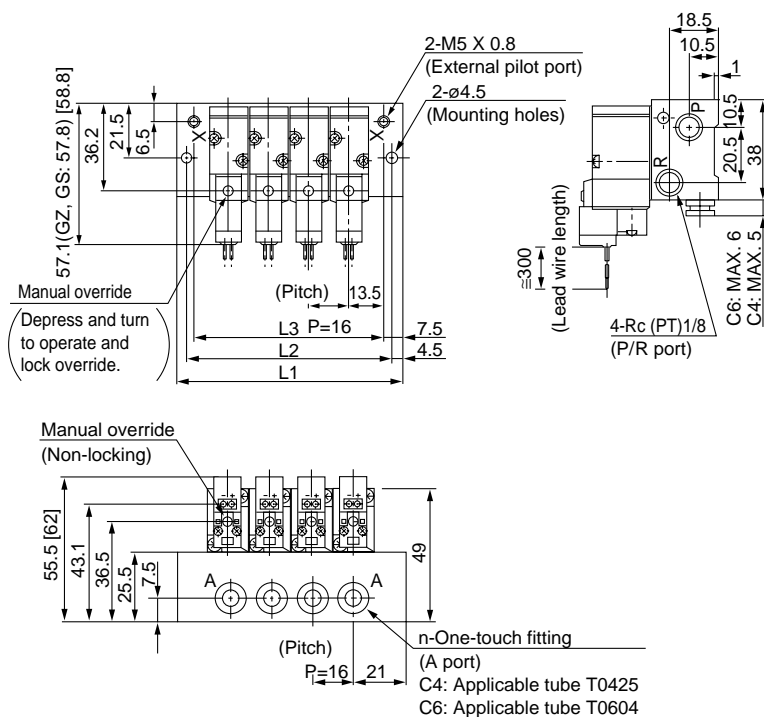
* [] for AC
* Other dimensions are the same as the grommet.

Port size	Station	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
M5	L1	62	78	94	110	126	142	158	174	190	206	222	238	254	270	286	302	318	334	350
	L2	53	69	85	101	117	133	149	165	181	197	213	229	245	261	277	293	309	325	341
	L3	47	63	79	95	111	127	143	159	175	191	207	223	239	255	271	287	303	319	335
Rc (PT) 1/8	L1	63	80	97	114	131	148	165	182	199	216	233	250	267	284	301	318	335	352	369
	L2	54	71	88	105	122	139	156	173	190	207	224	241	258	275	292	309	326	343	360
	L3	48	65	82	99	116	133	150	167	184	201	218	235	252	269	286	303	320	337	354

Series SYJ500

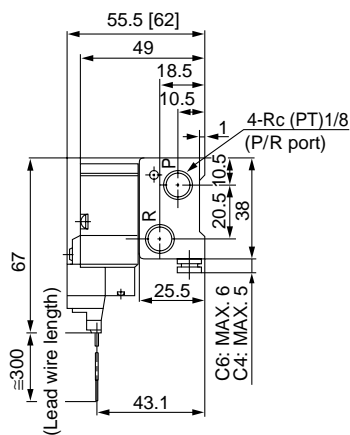
41R Type Manifold: Side Ported (External Pilot)/SS3YJ5-41R-Station -M5, 01, C4, C6

Grommet (G), (H)



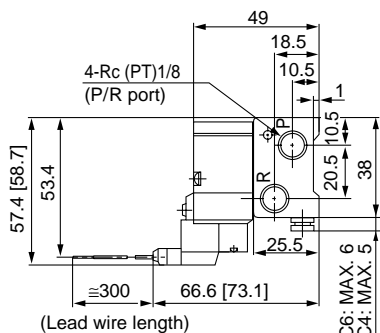
* [] for AC

L plug connector (L)



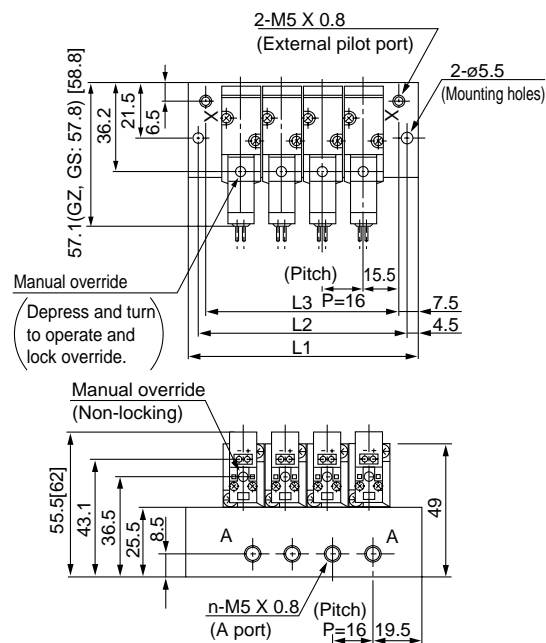
* [] for AC
* Other dimensions are the same as the grommet.

M plug connector (M)



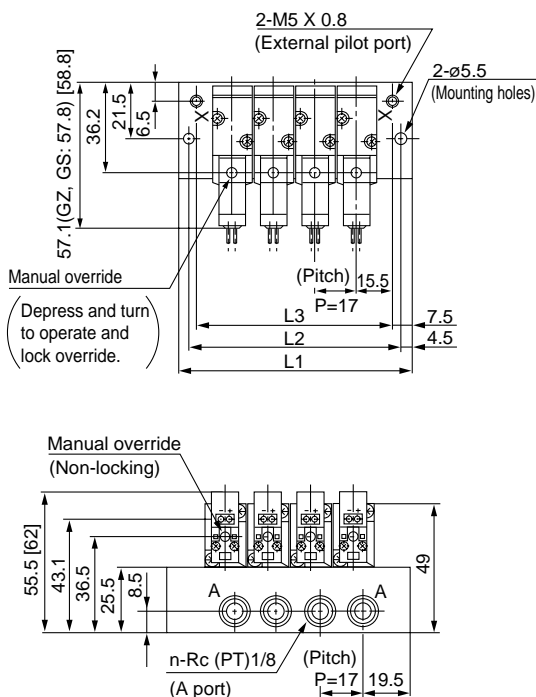
* [] for AC
* Other dimensions are the same as the grommet.

M5



* [] for AC
* Other dimensions are the same as the C4, C6.

Rc (PT) 1/8



* [] for AC
* Other dimensions are the same as the C4, C6.

Port size	Station	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
M5	L1	62	78	94	110	126	142	158	174	190	206	222	238	254	270	286	302	318	334	350
	L2	53	69	85	101	117	133	149	165	181	197	213	229	245	261	277	293	309	325	341
	L3	47	63	79	95	111	127	143	159	175	191	207	223	239	255	271	287	303	319	335
Rc (PT)1/8	L1	63	80	97	114	131	148	165	182	199	216	233	250	267	284	301	318	335	352	369
	L2	54	71	88	105	122	139	156	173	190	207	224	241	258	275	292	309	326	343	360
	L3	48	65	82	99	116	133	150	167	184	201	218	235	252	269	286	303	320	337	354
One-touch fitting	L1	58	74	90	106	122	138	154	170	186	202	218	234	250	266	282	298	314	330	346
	L2	49	65	81	97	113	129	145	161	177	193	209	225	241	257	273	289	305	321	337
	L3	43	59	75	91	107	123	139	155	171	187	203	219	235	251	267	283	299	315	331