

Series VF3000

Manifold Specifications



VV5F3-40



VV5F3-30



VV5F3-71



VV5F3-60

Manifold Specifications

Manifold type	B mount (Single base type)		S mount	
Exhaust port type	Common	Individual	Common	Individual
Max. number of stations <small>Note)</small>	20 stations		10 stations	

Note) In the case of more than 8 stations for B mount or more than 4 stations for S mount, supply air from both sides of P (SUP) port and exhaust from both sides of R (EXH) port.

Style	Manifold base model	R (EXH) type ⁽¹⁾	Piping/Port location			Port size			Applicable valve model ⁽²⁾
			P (SUP)	R (EXH)	A, B (CYL)	P (SUP)	R (EXH)	A, B (CYL)	
B mount	VV5F3-30	Common	Side Base	Side Base	Top Valve	1/4	1/4	1/8 1/4	VF3□30 VF3□33
	VV5F3-40	Common	Side Base	Side Base	Bottom Base	1/4	1/4	1/4	VF3□40 VF3□43
	VV5F3-50	Individual	Side Base	Top Valve	Bottom Base	1/4	1/4	1/4	VF3□50
S mount	VV5F3-60	Common	Side Side plate	Top Side plate	Top Valve	1/4	1/4	1/8 1/4	VF3□60 VF3□63
	VV5F3-61	Common	Side Side plate	Side Side plate	Side Valve	1/4	1/4	1/8 1/4	VF3160 VF3163 <small>(Single solenoid only)</small>
	VV5F3-70	Individual	Side Side plate	Bottom Valve	Top Valve	1/4	1/4	1/8 1/4	VF3□70
	VV5F3-71	Individual	Side Side plate	Side Valve	Side Valve	1/4	1/4	1/8 1/4	VF3170 <small>(Single solenoid only)</small>

Note 1) Supply (P port) is common.

Note 2) Common exhaust type for main and pilot valve is possible only in the valves of common exhaust.

Option

Description	Part no.	Applicable manifold model
Individual EXH spacer assembly <small>Note)</small>	DXT155-17-1A	VV5F3-30/40
Blanking plate assembly	DXT031-38-1A	VV5F3-30/40/50

Note) Used to exhaust air individually from certain valves mounted on common exhaust manifolds "Type 30" and "Type 40".

How to Order Manifold

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

(Example) VV5F3-40-052-02.....1 pc. (Manifold base)

*VF3140-1G.....2 pcs. (Valve)

*VF3240-1G.....2 pcs. (Valve)

*DXT031-38-1A.....1 pc. (Blanking plate assembly)

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

B Mount (Integrated type)

Top ported/Common EXH type

Type 30

Diagram of VV5F3-30-05 manifold. Labels: A, B port; R port 1/4; P port 1/4. Station count table: 02 (2 stations), ..., 20 (20 stations).

Applicable solenoid valve

VF3□30-□□□□-01

VF3□30-□□□□-02

VF3□33-□□□□-01

VF3□33-□□□□-02

Applicable blanking plate assembly

DXT031-38-1A

Applicable individual EXH spacer assembly

DXT155-17-1A

Bottom ported/Common EXH type

Type 40

Diagram of VV5F3-40-05 manifold. Labels: R port 1/4; P port 1/4; A, B port 1/4. Station count table: 02 (2 stations), ..., 20 (20 stations).

Applicable solenoid valve

VF3□40-□□□□

VF3□43-□□□□

Applicable blanking plate assembly

DXT031-38-1A

Applicable individual EXH spacer assembly

DXT155-17-1A

VK

VZ

VF

VFR

VP4

VZS

VFS

VS4

VQ7

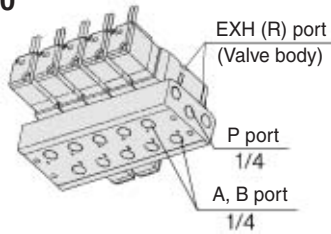
EVS

VFN

Series VF3000

B Mount (Integrated type)

Bottom ported/Individual EXH type Type 50



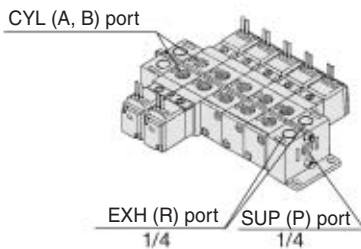
VV5F3 - 50 - 05 4 - 02

Stations	
02	2 stations
⋮	⋮
20	20 stations

Applicable solenoid valve
VF3□50-□□□□
Applicable blanking plate assembly
DXT031-38-1A

S Mount (Separated type)

Top ported/Common EXH type Type 60

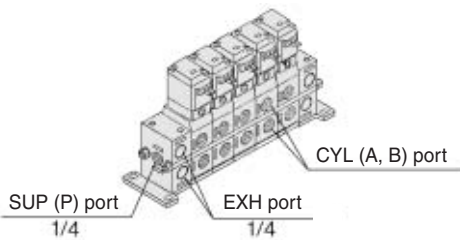


VV5F3 - 60 - 05 1

Stations	
02	2 stations
⋮	⋮
10	20 stations

Applicable solenoid valve
VF3□60-□□□□-01□
VF3□63-□□□□-01□

Side ported/Common EXH type Type 61

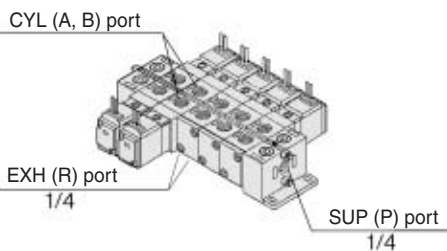


VV5F3 - 61 - 05 1

Stations	
02	2 stations
⋮	⋮
10	20 stations

Applicable solenoid valve
VF3160-□□□□-01□
VF3163-□□□□-01□

Top ported/Individual EXH type Type 70

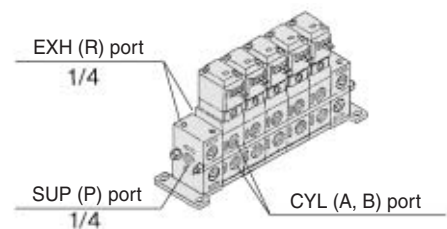


VV5F3 - 70 - 05 3

Stations	
02	2 stations
⋮	⋮
10	20 stations

Applicable solenoid valve
VF3□70-□□□□-01□

Side ported/Individual EXH type Type 71



VV5F3 - 71 - 05 3

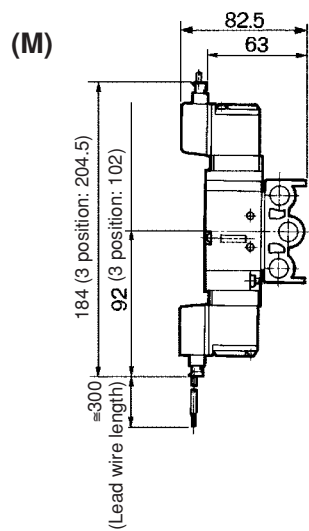
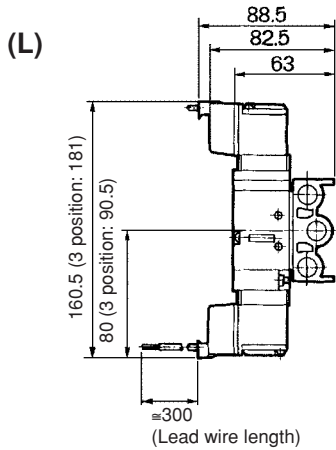
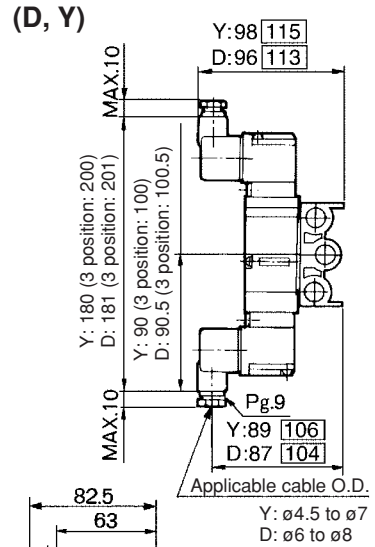
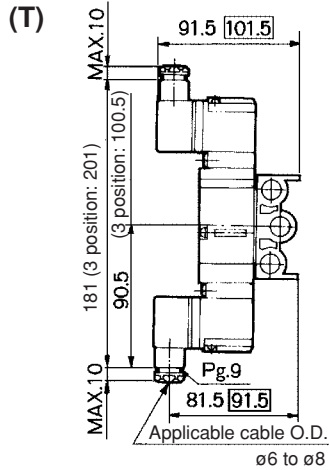
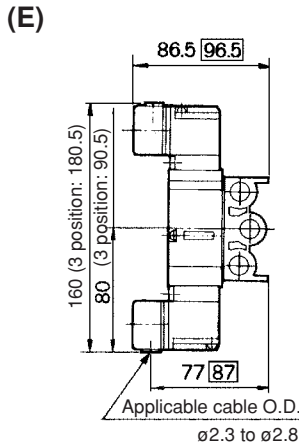
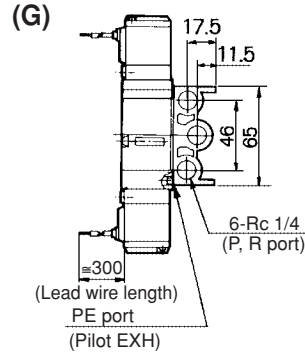
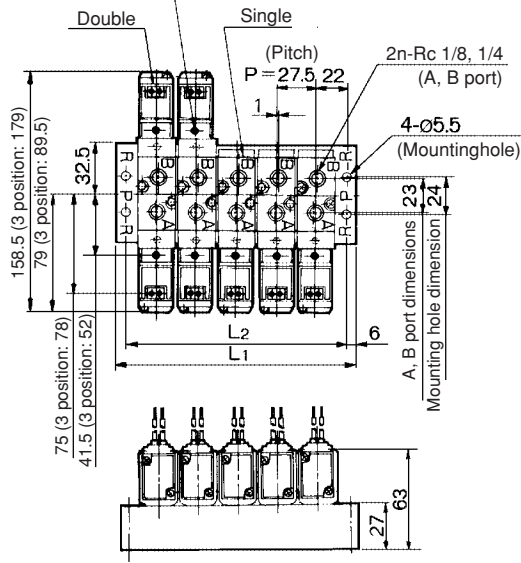
Stations	
02	2 stations
⋮	⋮
10	20 stations

Applicable solenoid valve
VF3170-□□□□-01□

5 Port Pilot Operated Solenoid Valve Rubber Seal Series VF3000

B Mount: VV5F3-30

Common EXH: VV5F3-30□□1 Manual override (Non-locking)



L Dimension

n: Stations

L \ n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L ₁	83.5	111	138.5	166	193.5	221	248.5	276	303.5	331	358.5	386	413.5	441	468.5	496	523.5	551	578.5
L ₂	71.5	99	126.5	154	181.5	209	236.5	264	291.5	319	346.5	374	401.5	429	456.5	484	511.5	539	566.5



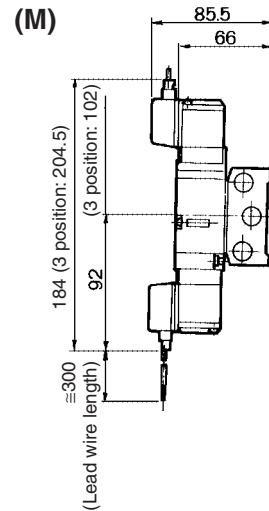
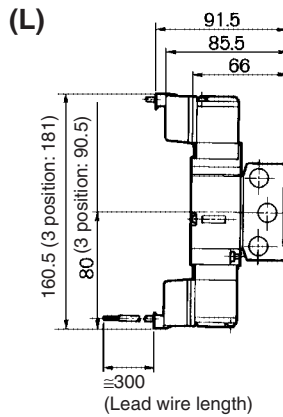
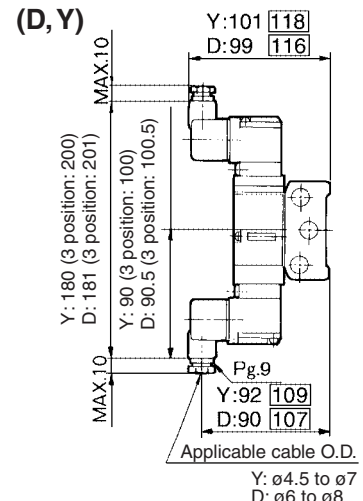
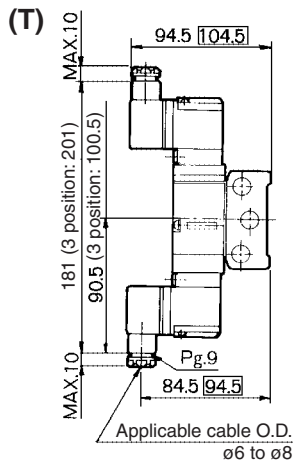
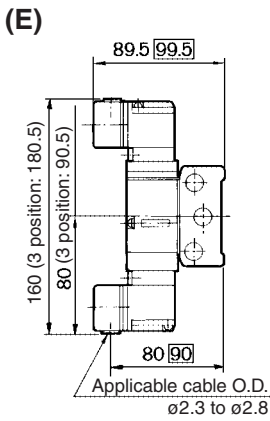
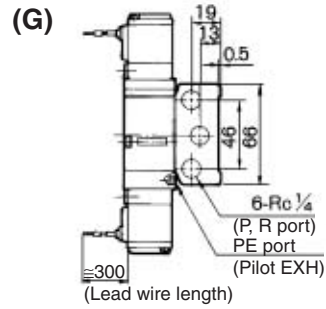
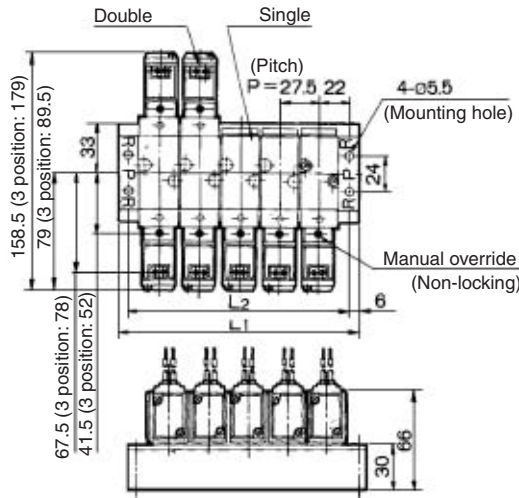
□ : With light/surge voltage suppressor

- VK
- VZ
- VF**
- VFR
- VP4
- VZS
- VFS
- VS4
- VQ7
- EVS
- VFN

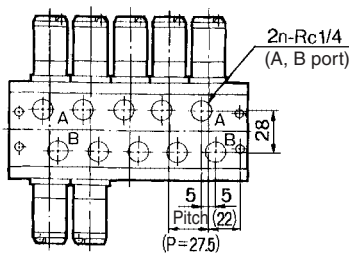
Series VF3000

B Mount: VV5F3-30, VV5F3-40

Common EXH: VV5F3-40□□2-02



Bottom ported



L Dimension

n: Stations

n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L ₁	83.5	111	138.5	166	193.5	221	248.5	276	303.5	331	358.5	386	413.5	441	468.5	496	523.5	551	578.5
L ₂	71.5	99	126.5	154	181.5	209	236.5	264	291.5	319	346.5	374	401.5	429	456.5	484	511.5	539	566.5

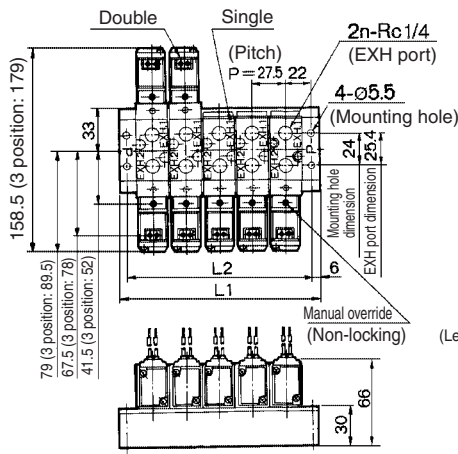


□ : With light/surge voltage suppressor

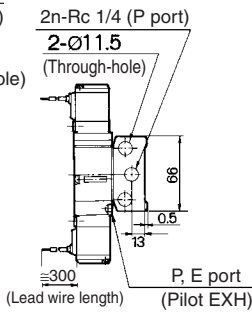
5 Port Pilot Operated Solenoid Valve Rubber Seal Series VF3000

B Mount: VV5F3-50, Spacer for Individual Exhaust

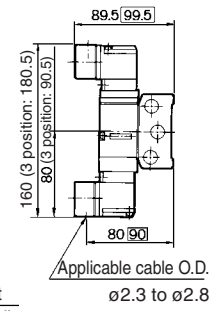
Individual EXH: VV5F3-50-□□4-02



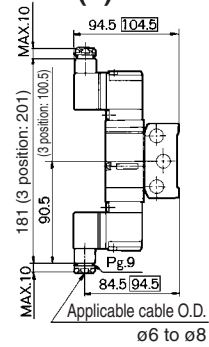
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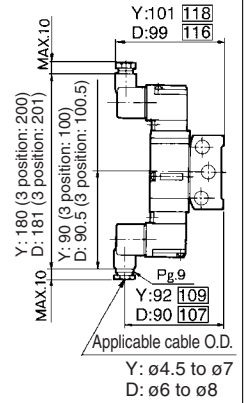
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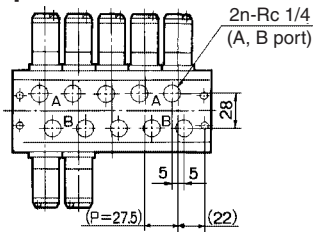
(T)



(D, Y)



Bottom ported



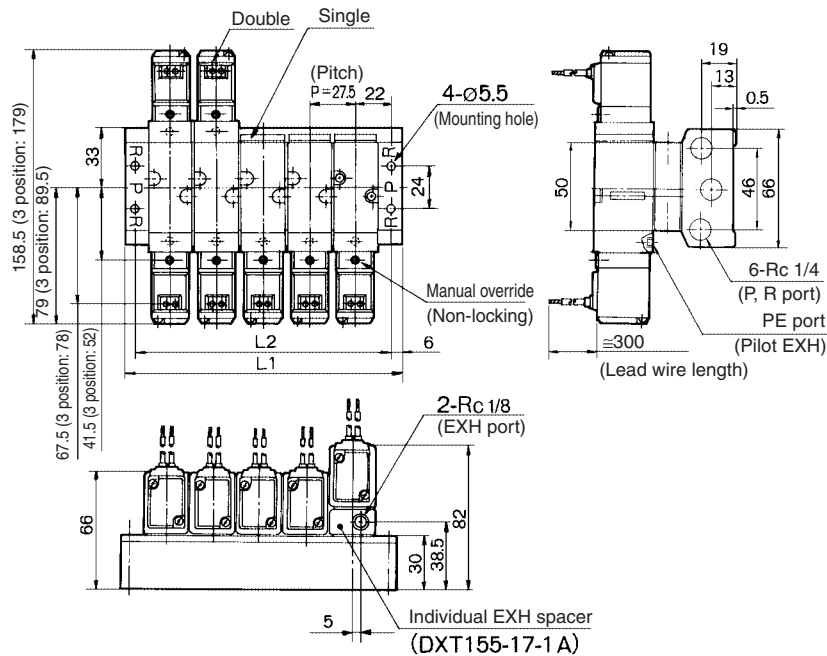
L Dimension

L	n	n: Stations																			
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
L ₁		83.5	111	138.5	166	193.5	221	248.5	276	303.5	331	358.5	386	413.5	441	468.5	496	523.5	551	578.5	
L ₂		71.5	99	126.5	154	181.5	209	236.5	264	291.5	319	346.5	374	401.5	429	456.5	484	511.5	539	566.5	



□ : With light/surge voltage suppressor

Spacer for individual EXH/Applicable model: VV5F3-30, VV5F3-40



L Dimension

L	n	n: Stations																			
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
L ₁		83.5	111	138.5	166	193.5	221	248.5	276	303.5	331	358.5	386	413.5	441	468.5	496	523.5	551	578.5	
L ₂		71.5	99	126.5	154	181.5	209	236.5	264	291.5	319	346.5	374	401.5	429	456.5	484	511.5	539	566.5	

VK

VZ

VF

VFR

VP4

VZS

VFS

VS4

VQ7

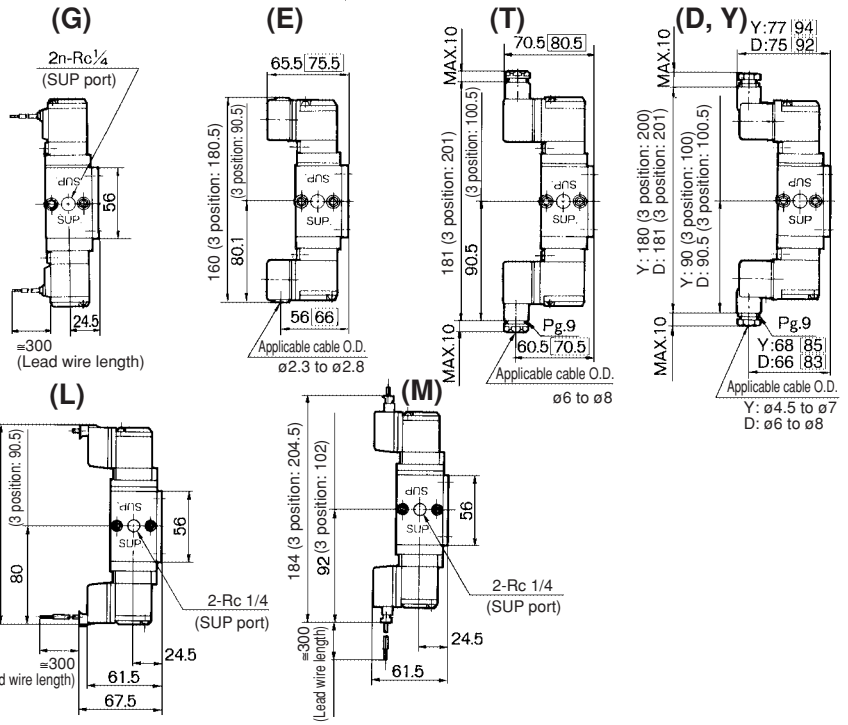
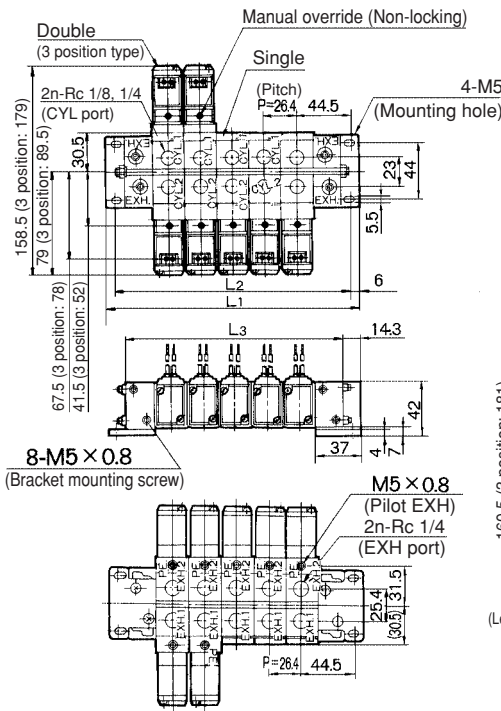
EVS

VFN

5 Port Pilot Operated Solenoid Valve Rubber Seal Series VF3000

S Mount: VV5F3-70, VV5F3-71

Individual EXH: VV5F3-70-□□3



L Dimension

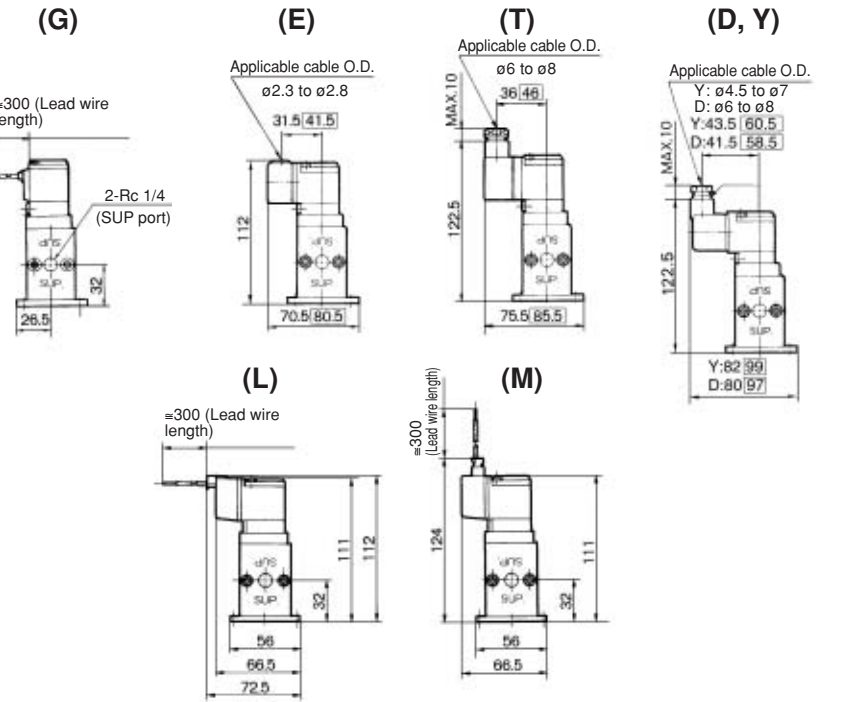
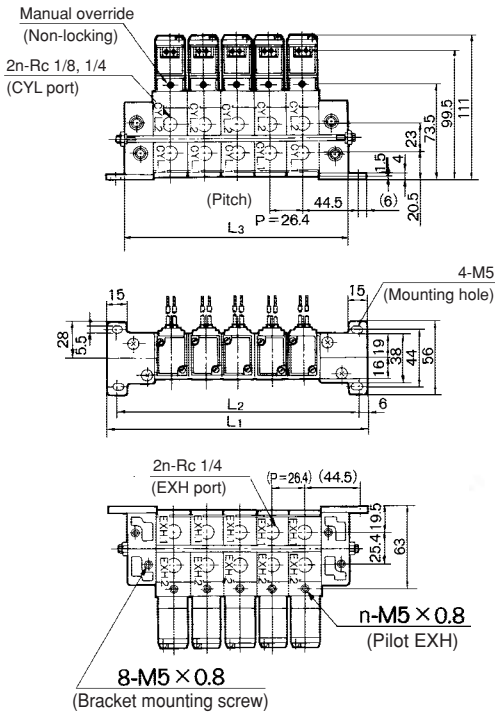
n: Stations

L	n	2	3	4	5	6	7	8	9	10
L ₁		127.5	154	180	206.5	233	259.5	286	312	338.5
L ₂		115.5	142	168	194.5	221	247.5	274	300	326.5
L ₃		99	125	151.5	178	204.5	231	257	283.5	310



□: With light/surge voltage suppressor

Individual EXH: VV5F3-71-□□3



L Dimension

n: Stations

L	n	2	3	4	5	6	7	8	9	10
L ₁		127.5	154	180	206.5	233	259.5	286	312	338.5
L ₂		115.5	142	168	194.5	221	247.5	274	300	326.5
L ₃		99	125	151.5	178	204.5	231	257	283.5	310



□: With light/surge voltage suppressor

VK

VZ

VF

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