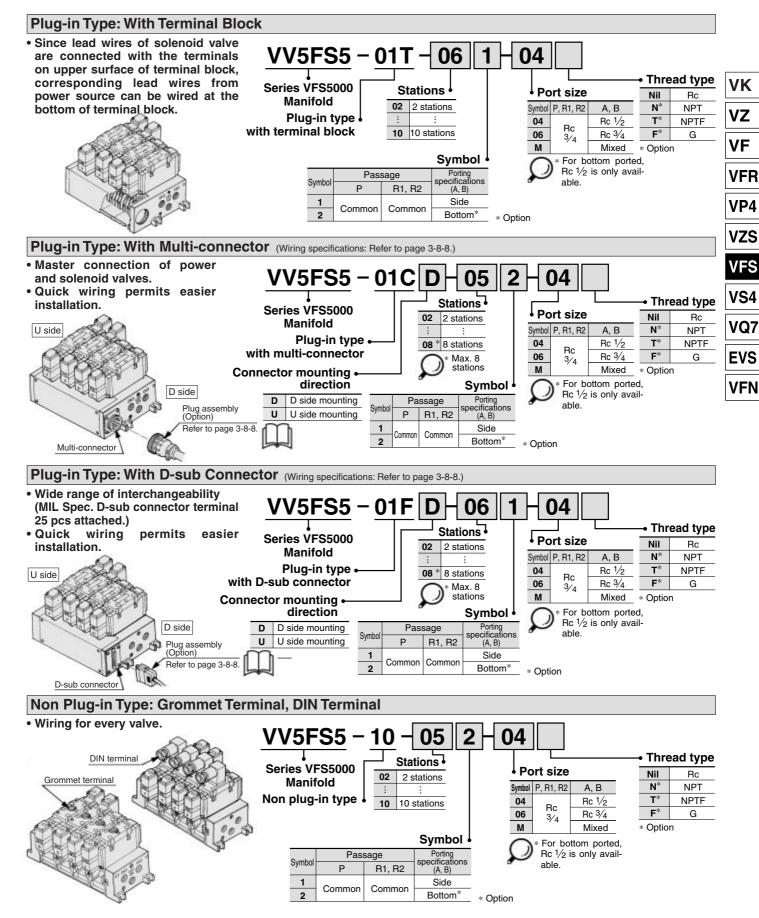
Manifold Specifications



How to Order Manifold Assembly

Please indicate manifold base type, corresponding valve, and option parts.

<Example>

- Plug-in type with terminal block: 6 stations (Manifold base) VV5FS5-01T-061-04 ····· 1 (2 position single) VFS5100-5FZ ····· 3 (2 position double) VFS5200-5FZ ···· 2 (Blanking plate) VVFS5000-10A ···· 1

Manifold Specifications

Base model	Wiring	Porting specifications A, B port		ize Rc A, B	Stations	Applicable valve model
Plug-in type VV5FS5-01□	With terminal block With multi-connector With D-sub connector	Side/ Bottom	/ Bc 3/4	Do	2 to 10*	VFS5□00-□F
Non plug-in type VV5FS5-10	DIN terminal Grommet terminal					VFS5□10-□D VFS5□10-□E



*With multi-connector, or with D-sub connector: 8 stations max.

Flow Characteristics at the Number of Manifold Stations (Operated individually)

Model	Passage	/Stations	Station 1	Station 5	Station 10
	$1 \rightarrow 4/2$ (P \rightarrow A/B)	C [dm ³ /(s·bar)]	6.0	6.0	6.0
		b	0.20	0.20	0.20
VV5FS5	(P → A/D)	Cv	1.4	1.4	1.4
V V D F D D	4/2 → 5/3	C [dm ³ /(s·bar)]	7.0	7.0	7.0
	$(A/B \rightarrow R1/R2)$	b	0.20	0.20	0.20
	$(A/D \rightarrow H1/H2)$	Cv	1.8	1.8	1.8



* Port size: Rc 1/2, 3/4

Manifold Option Parts Assembly

Individual SUP spacer

An individual SUP spacer set on manifold block can form SUP port for every valve.

Body type	Plug-in type	Non plug-in type
Part no.	VVFS5000-P-04-1	VVFS5000-P-04-2





Individual EXH spacer

An individual EXH spacer set on manifold block can form EXH port for every valve. (common EXH type)

<u>. </u>	* ' '	
Body type	Plug-in type	Non plug-in type
Part no.	VVFS5000-R-04-1	VVFS5000-B-04-2





SUP block disk

When supplying manifold with more than two different pressures, high and low, insert a block disk in between stations subjected to different pressures.

Body type	Plug-in type	Non plug-in type
Part no.	AXT62	28-12A

EXH block disk

When valve exhaust affects the other stations on the circuit or when a reverse pressure valve is used on a standard manifold valve, insert EXH block disk in between stations to separate valve exhaust.

Body type	Plug-in type	Non plug-in type
Part no.	AXT51:	2-14-1A





EXH block disk

SUP block disk

Throttle valve spacer

Needle valve set on the manifold block can control cylinder speed by throttling exhaust.

Body type	Plug-in type	Non plug-in type
Part no.	VVFS5000-20A-1	VVFS5000-20A-2

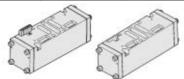




Double check spacer

If the double check spacer with a built-in double check valve is combined, it will enable the cylinder to stop in the intermediate stroke and maintain its position for a long time without being affected by the leakage between the spools.

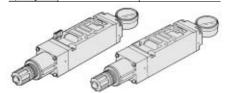
Body type	Plug-in type	Non plug-in type
Part no.	VVFS5000-22A-1	VVFS5000-22A-2



Interface regulator

Interface regulator set on manifold block can regulate the pressure to each valve. (In the event of using, refer to "Flow Characteristics" on page 3-8-6).

Body type	Plug-in type	Non plug-in type
P port regulation	ARBF5050-00-P-1	ARBF5050-00-P-2
A port regulation	ARBF5050-00-A-1	ARBF5050-00-A-2
B port regulation	ARRF5050-00-R-1	ARRE5050-00-B-2



Blanking plate

It is used by attaching on the manifold block for being prepared for removing a valve for maintenance reasons or planning to mount a spare valve, etc.

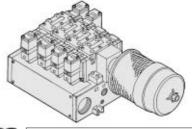
Body type	Plug-in type	Non plug-in type
Part no.	VVFS50	000-10A

Manifold Option

With exhaust cleaner

Plug-in type/Non plug-in type

- Valve exhaust noise dampening: 35 dB or more.
- Oil mist collection: Rate of collection 99.9% or more.
- Piping process reduced.



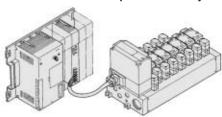


For details, refer to page 3-8-95.

With serial interface unit for serial transmission

Plug-in type

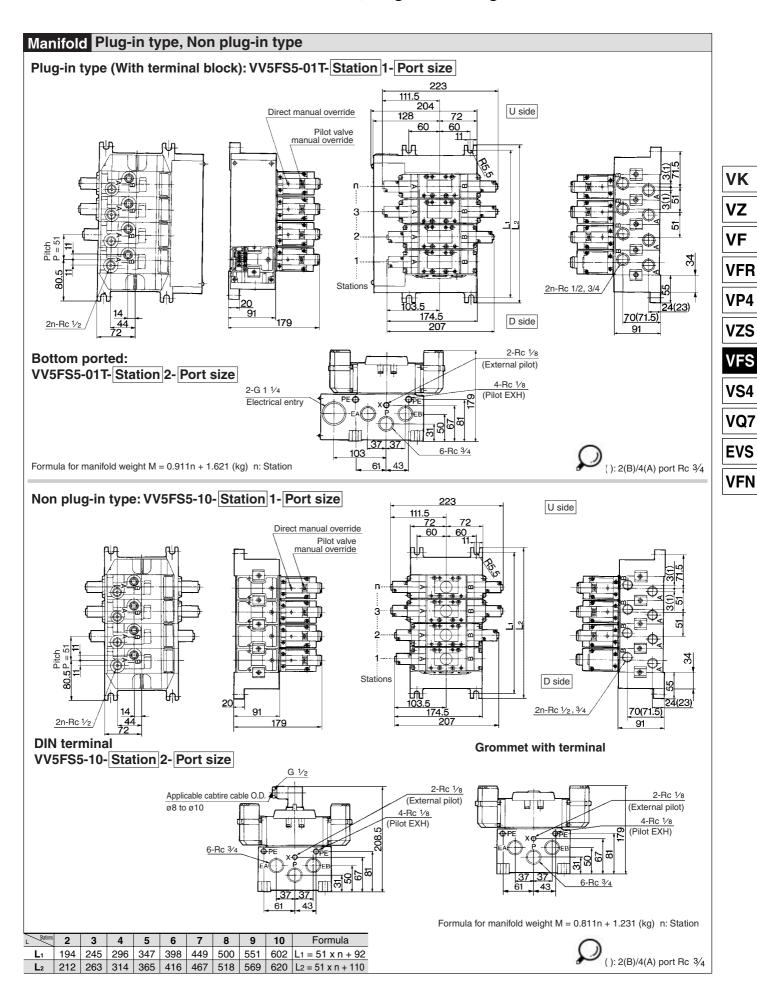
- Solenoid valve wiring process reduced considerably.
- Disperse installation possible.
 Manifold solenoid valve: 8 stations max.
 32 positions (512 solenoids).
- Maintenance and inspection are easy.

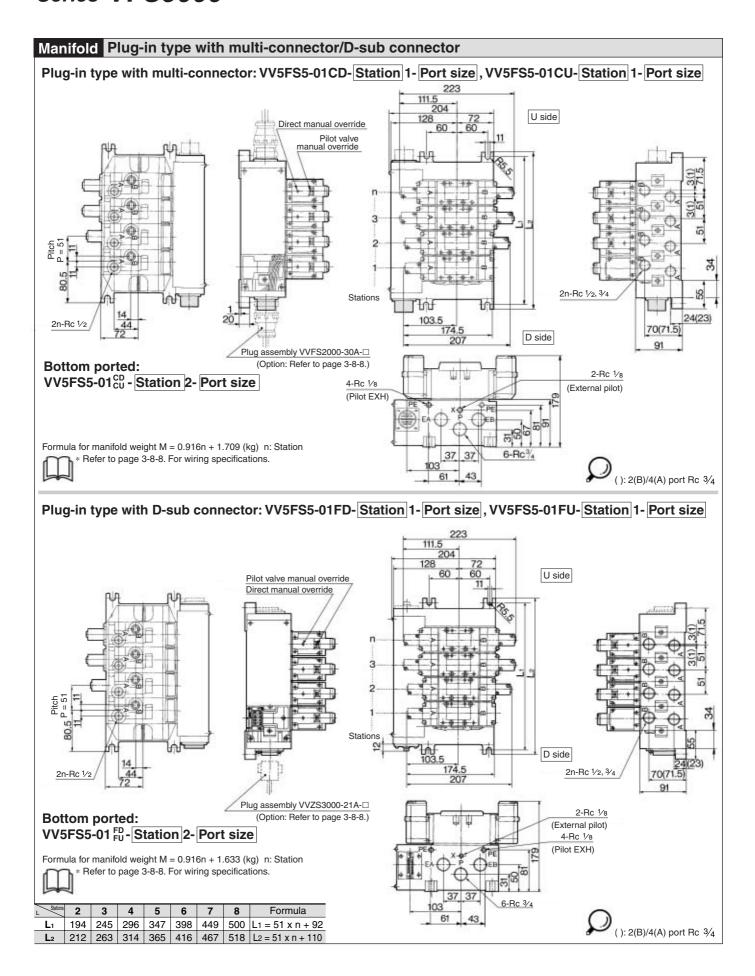


For details, refer to "Serial Transmission" catalog separately.



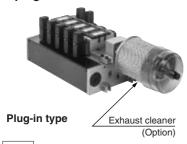
5 Port Pilot Operated Solenoid Valve Metal Seal, Plug-in/Non Plug-in Series VFS5000

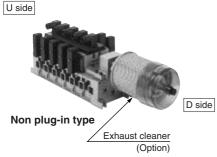




Manifold with Exhaust Cleaner -

- Serves to protect working environment.
- Valve exhaust noise dampening: 35 dB or more.
- Collection rate of drainage and oil mist: 99.9% or more.
- · Piping work is reduced.

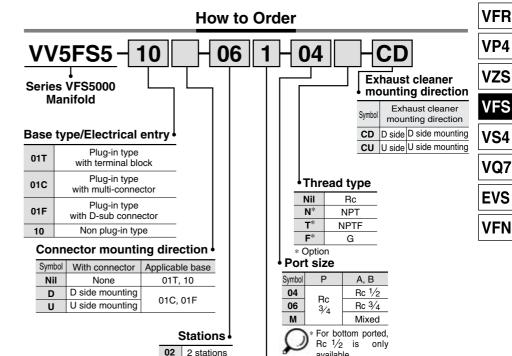




Manifold Specifications

Manifold	Plug-in type: V	V5FS5-01□	Non plug-in type: VV5FS5-10
Wiring	With terminal blocks With multi-connector With D-sub connector		DIN terminal Grommet terminal
Applicable valve model	VFS5□00-□F		VFS5□10-□D, VFS5□10-□E
D .: .: .:	Common SUP/Common EXH		
Porting specifications	2(B), 4(A) port	Side: R0	C 1/2, 3/4, Bottom: Rc 1/2 (Option)
Rc	1(P), 3(R2), 5(R1) port	P: Rc 3/4, EXH: Rc 1 1/2	
Stations	2 to 10 ⁽¹⁾		
Applicable exhaust cleaners	AMC810-14 (Connecting port size R 1 1/2) (2)		
		-	

Note 1) With multi-connector, or with D-sub connector: 8 stations max. Note 2) Exhaust cleaner: Not attached.



Base type 01T, 10: 2 to 10 stations
Base type 01C, 01F: 2 to 8 stations

	• 0,	111001			
_	Cumhal	Passage		Porting specifications	
	Symbol	Р	R1, R2	(A, B)	
	1	Camman	0	Side	
	2	Common	Common	Bottom*	
	* Option				

⚠ Caution

When using an exhaust cleaner, mount it downwards.



* Refer to Best Pneumatics Vol. 5 for Exhaust Cleaner details.

Please indicate manifold base type, corresponding valve, and option parts.

<Example>

 Plug-in type with term 	inai biock (6 stations)
(Manifold base)	VV5FS5-01T-061-04-CD · · · · · · · · 1
(2 position single)	VFS5100-5FZ ····· 3
(2 position double)	VFS5200-5FZ · · · · · 2
(Blanking plate)	VVFS5000-10A ······ 1
(Exhaust cleaner)	AMC810-14 ······ 1
• Non plug-in type (6 sta	ations)
(Manifold base)	VV5FS5-10-061-04-CU ····· 1
(2 position single)	VFS5110-5E ······3

 (Manifold base)
 VV5FS5-10-061-04-CU
 1

 (2 position single)
 VFS5110-5E
 3

 (2 position double)
 VFS5210-5E
 2

 (Blanking plate)
 VVFS5000-10A
 1

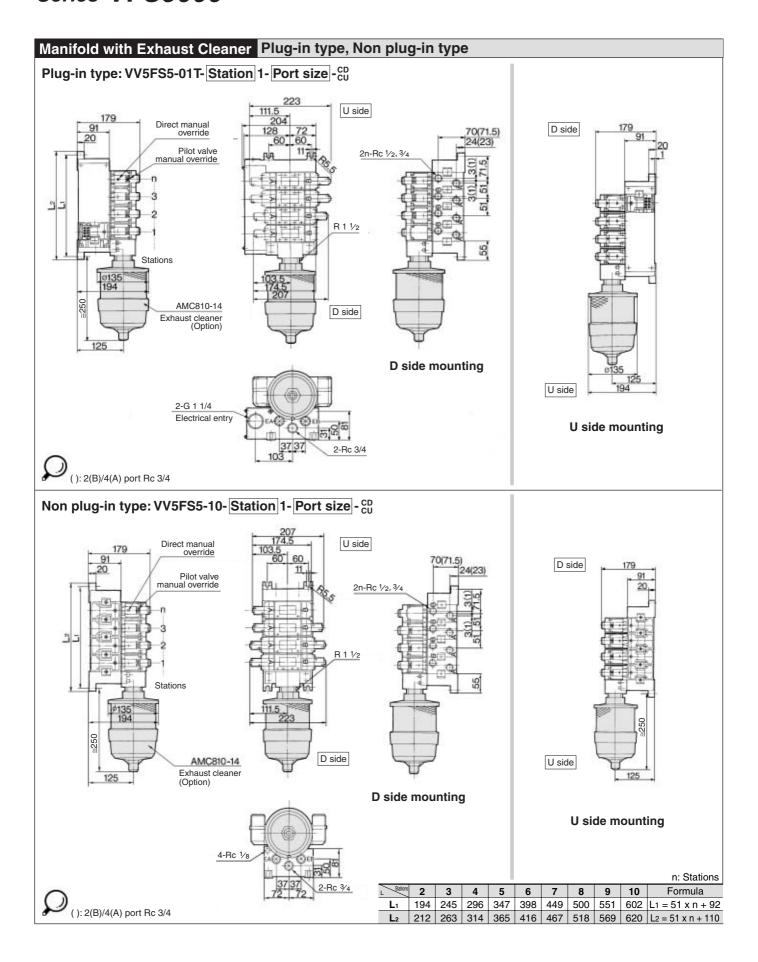
 (Exhaust cleaner)
 AMC810-14
 1



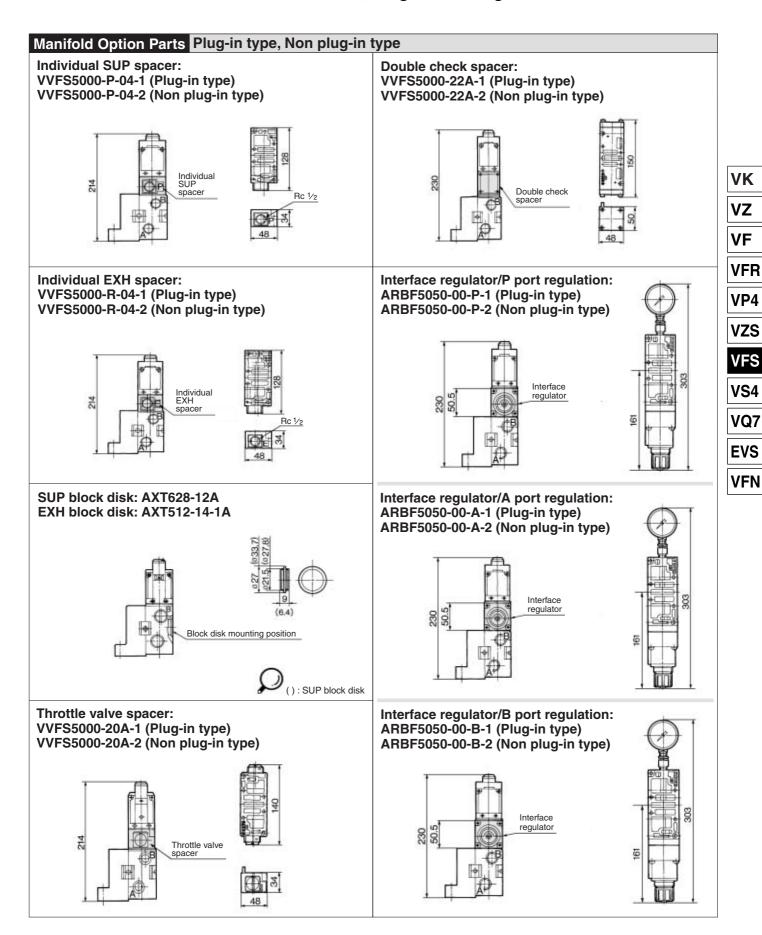
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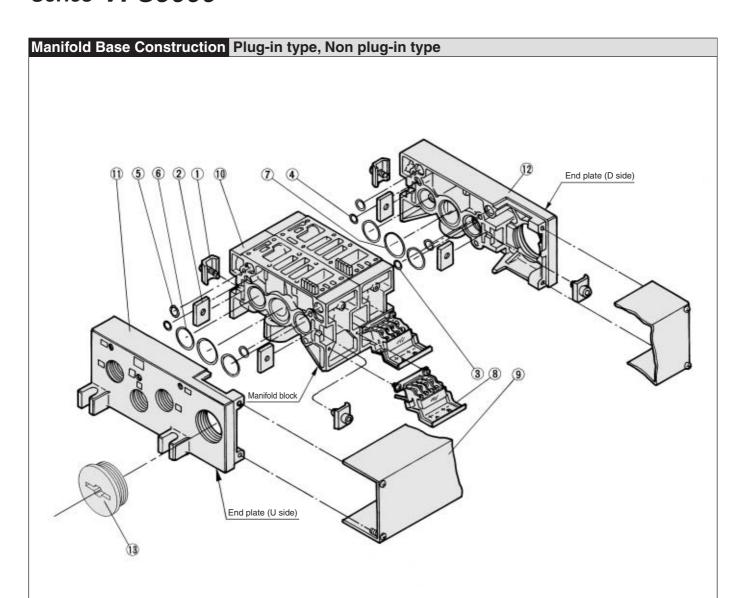
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VF



5 Port Pilot Operated Solenoid Valve Metal Seal, Plug-in/Non Plug-in Series VFS5000





Replacement Parts

No.	Description	Material	Part no.	
1	Connection fitting A	Steel plate	AXT628-6-1A	
2	Connection fitting B	Steel plate	AXT628-6-2	
3	O-ring	NBR	AS568-006	
4	O-ring	NBR	AS568-010	
(5)	O-ring	NBR	AS568-013	
6	O-ring	NBR	AS568-022	
7	O-ring	NBR	AS568-026	
8	Terminal assembly	_	AXT628-5-1A	
9	Junction cover assembly	For 01T	VVFS5000-4A- Stations	
		For 01SU	AZ738-31A- Stations	
13	Rubber plug	NBR	AXT336-9	

• For increasing the manifold bases, please order the manifold block assembly number of the principal part assembly ①. For plug-in type: The manifold base with terminal stand (integrated with a junction cover) is required with the ⑨ junction cover assembly.

Replacement Parts: Sub Assembly

Note) Manifold Base/Construction: Plug-in type with terminal block.

No.	Description	Assembly part no.	Component parts	Applicable manifold base
10	Manifold block assembly	VVFS5000-1A-1-04	Manifold block ⑩, Metal joint ①, ②, Terminal ⑧, O-ring ③, ④, ⑤, ⑥, ⑦, Receptacle assembly	Plug-in type
		VVFS5000-1A-2-04	Manifold block ①, Metal joint ①, ②, O-ring ③, ④, ⑤, ⑥, ⑦	Non plug-in type
11)	End plate (U side) assembly	VVFS5000-2A-1	End plate (U) ①, Metal joint ①, ②	Plug-in type
		VVFS5000-2A-2	End plate (U) ①, Metal joint ①, ②	Non plug-in type
12	End plate (D side) assembly	VVFS5000-3A-1	End plate (D) 12, Metal joint 1, 2, O-ring 3, 4, 5, 6, 7	Plug-in type
		VVFS5000-3A-2	End plate (D) ①, Metal joint ①, ②, O-ring ③, ④, ⑤, ⑥, ⑦	Non plug-in type