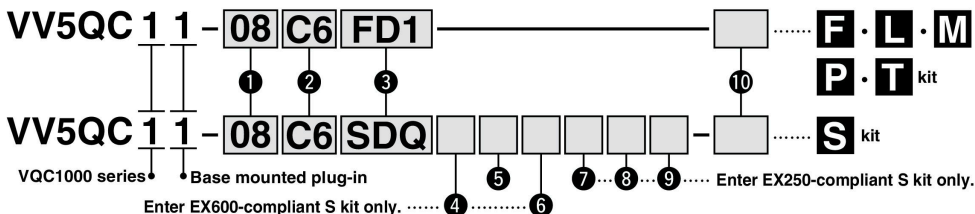


# Base Mounted Plug-in Unit VQC1000 Series

## How to Order Manifold



### 1 Valve stations

01	1 station
:	:

The maximum number of stations differs depending on the electrical entry. (Refer to 1 Kit type/Electrical entry/Cable length.)

Note) In case of compatibility with the S kit/AS-Interface, the maximum number of solenoids is as shown below, so please be careful of the number of stations.

- 8 in/8 out: Maximum 8 solenoids
- 4 in/4 out: Maximum 4 solenoids

### 2 Cylinder port size

<b>C3</b>	With ø3.2 One-touch fitting
<b>C4</b>	With ø4 One-touch fitting
<b>C6</b>	With ø6 One-touch fitting
<b>M5</b>	M5 thread
<b>CM</b>	Mixed sizes and with port plug
<b>L3</b>	Top ported elbow with ø3.2 One-touch fitting
<b>L4</b>	Top ported elbow with ø4 One-touch fitting
<b>L6</b>	Top ported elbow with ø6 One-touch fitting
<b>L5</b>	M5 thread
<b>B3</b>	Bottom ported elbow with ø3.2 One-touch fitting
<b>B4</b>	Bottom ported elbow with ø4 One-touch fitting
<b>B6</b>	Bottom ported elbow with ø6 One-touch fitting
<b>B5</b>	M5 thread
<b>LM</b>	Elbow port, mixed sizes (including upward, downward piping and mixed)
<b>MM</b> <small>Note 2)</small>	Mixed size for different types of piping, option installed

Note 1) Indicate the size by means of the manifold specification sheet in case of "CM", "LM", "NM".

Note 2) When selecting the mixed size for different types of piping or dual flow fitting assembly, enter "MM" and give instructions in the manifold specification sheet.

Note 3) Symbols for inch sizes are as follows:

- N1: ø1/8"      • N3: ø5/32"
  - N7: ø1/4"      • NM: Mixed
- The top ported elbow is LN□ and the bottom ported elbow is BN□.

### 5 SI unit output polarity

SI unit output polarity	EX250 integrated-type (I/O) serial transmission system					
	DeviceNet™	PROFIBUS DP	CC-Link	AS-Interface	CANopen	EtherNet/IP™
<b>NH</b> Positive common	—	—	—	—	—	—
<b>N</b> Negative common	○	○	—	○	—	○

SI unit output polarity	EX500 Gateway Decentralized System 2 (28 points)		EX260 integrated-type (for output) serial transmission system					EX125 integrated-type for copper/serial transmission system		
	EtherNet/IP™	PROFINET	DeviceNet™	PROFIBUS DP	EtherNet/IP™	EtherCAT	PROFINET	EtherNet/IP™	Ethernet POWERLINK	CC-Link
<b>NH</b> Positive common	—	—	○	○	○	○	○	○	—	—
<b>N</b> Negative common	○	○	○	○	○	○	○	○	—	—

SI unit output polarity	EX600 integrated-type (I/O) serial transmission system (Fieldbus system)								
	DeviceNet™	PROFIBUS DP	CC-Link	EtherNet/IP™	EtherCAT	PROFINET	EtherNet/IP™ compatible wireless master	PROFINET compatible wireless master	Wireless slave
<b>NH</b> Positive common	○	○	○	○	○	○	○	○	○
<b>N</b> Negative common	○	○	○	○	○	○	○	○	○

\* Select "Nil" for without SI unit (SDO□).

### 4 End plate type (Enter EX600-compliant S kit only.)

<b>Nil</b>	Without end plate
<b>2</b>	M12 connector power supply
<b>3</b>	7/8 inch connector power supply
<b>4</b>	M12 connector power supply (4 pins/5 pins) IN/OUT
<b>5</b>	M12 connector power supply (4 pins/5 pins) IN/OUT

Note) Without SI unit, the symbol is nil.  
\* The pin layout for "4" and "5" pin connector is different.

### 6 I/O unit stations (Enter EX600-compliant S kit only.)

<b>Nil</b>	None
:	:
<b>1</b>	1 station
:	:
<b>9</b>	9 stations

Note 1) Without SI unit, the symbol is nil.  
Note 2) SI unit is not included in I/O unit stations.  
Note 3) When I/O unit is selected, it is shipped separately, and assembled by customer. Refer to the attached operation manual for mounting method.

### 7 Number of input blocks (Enter EX250-compliant S kit only.)

<b>Nil</b>	Without SI unit/input block (SDO)
<b>0</b>	Without input block
<b>1</b>	With 1 input block
:	:
<b>8</b>	With 8 input blocks

Note) For the S kit compatible with AS-Interface, the maximum number of stations is limited. Refer to page 805 in Best Pneumatics No. 1-1 for details.

### 8 Input block type (Enter EX250-compliant S kit only.)

<b>Nil</b>	Without input block
<b>1</b>	M12, 2 inputs
<b>2</b>	M12, 4 inputs
<b>3</b>	M8, 4 inputs (3 pins)

### 9 Input block specification (Enter EX250-compliant S kit only.)

<b>Nil</b>	PNP sensor input or without input block
<b>N</b>	NPN sensor input

### 10 Option

<b>Nil</b>	None
<b>B</b> <small>Note 2)</small>	All stations with back pressure check valve
<b>D</b>	With DIN rail (Rail length: Standard) <small>Note 7)</small>
<b>D□</b> <small>Note 3)</small>	With DIN rail (Rail length: Special) <small>Note 7)</small>
<b>K</b> <small>Note 4)</small>	Special wiring spec. (Except double wiring)
<b>N</b> <small>Note 10)</small>	With name plate
<b>R</b> <small>Note 5)</small>	External pilot
<b>S</b> <small>Note 6)</small>	Direct EXH outlet with built-in silencer

Note 1) When two or more symbols are specified, indicate them alphabetically. Example - BRS

Note 2) When a back pressure check valve is desired, and is to be installed only in certain manifold stations, specify the mounting position by means of the manifold specification sheet.

Note 3) For special DIN rail length, indicate "D□". (Enter the number of stations inside □.)  
Example - D08  
In this case, stations will be mounted on a DIN rail for 8 stations regardless of the actual number of manifold stations.  
The specified number of stations must be larger than the number of stations on the manifold. Indicate "D0" for the option without DIN rail.

Note 4) When single wiring and double wiring are mixed, specify wiring type of each station by means of the manifold specification sheet.

Note 5) For external pilot option, "R", indicate the external pilot specification "R" for the applicable valves as well.

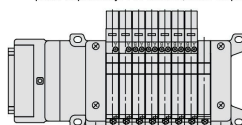
Note 6) Built-in silencer type does not satisfy IP67.

Note 7) When "Without SI unit (SDO, SD60)" is specified, "With DIN rail (D)" cannot be selected.

Note 8) When changing the specifications of the EX600 from no DIN rail to DIN rail mounting, please consult SMC.

Note 9) DIN rail is not attached (but shipped together) on the manifold in case of the EX600 with DIN rail. Refer to back page 597 for mounting method.

Note 10) When mounting the blanking plate with connector and the side locking manual type valve by ordering only the manifold, order the name plate separately. For details, refer to page 589.



\* Stations are counted from station 1 on the D-side.

Refer to Best Pneumatics No. 1-1 and the Operation Manual for the details of EX600 Integrated-type (For I/O) Serial Transmission System. Please download the Operation Manual via our website, <http://www.smcworld.com>