

The multi-pin connectors replace the wiring inside the manifold blocks and provides flexibility in modifying the manifold configuration.

Connector type

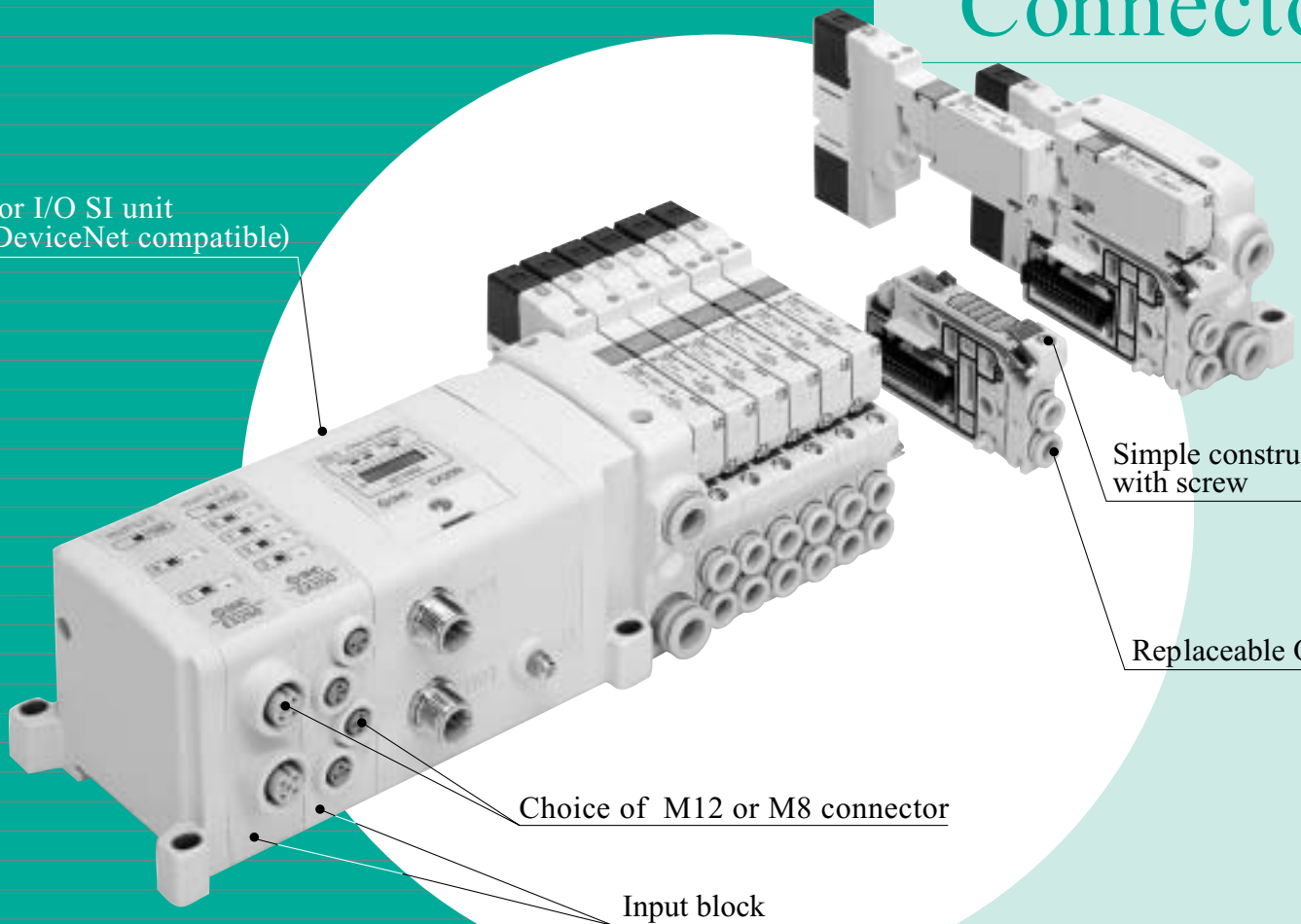


# SV Series

*New Concept* Connector type manifold

# Connector T

For I/O SI unit  
(DeviceNet compatible)



Simple construction of clamp with screw

Replaceable One-touch connector

Choice of M12 or M8 connector

Input block

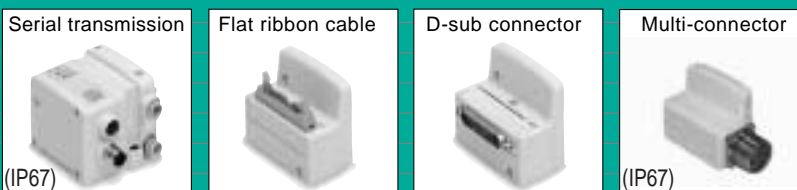
# VQC Series

- IP67 (based on IEC529) enclosure for Serial Transmission manifolds (EX500 or EX250) and other prepackaged wiring configuration manifolds (Multi-connector, etc.).
- Designed to provide quick response time and long life.
  - VQC1100 10ms±2ms: 200 million cycles
  - VQC2100 20ms±2ms: 200 million cycles
  - VQC4100 17ms±3ms: 100 million cycles
- Compact design with high flow capacity

Model (Series)	Manifold pitch (mm)	Flow characteristics <small>Note</small>						Applicable cylinder size (mm)
		Metal seal			Rubber seal			
		C[dm³/(s·bar)]	b	Cv	C[dm³/(s·bar)]	b	Cv	
<b>VQC1000</b>	10.5	0.72	0.25	0.18	1.0	0.30	0.25	up to ø 50
<b>VQC2000</b>	16	2.6	0.15	0.60	3.2	0.30	0.80	up to ø 80
<b>VQC4000</b>	25	6.9	0.17	1.7	7.3	0.38	2.0	up to ø140

Note) Values for 2-position single from the cylinder port to the exhaust. (from 2 to 3 and from 4 to 5)  
C(Sonic conductance) and b(critical pressure ratio) are subject to ISO 6358/JIS B 8390. Cv (Flow coefficient) is subject to ANSI/CNFPA) T3.21.3.

## Wiring



Accommodates gateway type serial transmission (DeviceNet, PROFIBUS, Remote I/O, etc.)  
A wide choice of wiring configurations

## Wiring configuration

Series	Serial transmission	Flat ribbon cable
<b>SV</b>	● *	●
<b>VQC</b>	● *	●

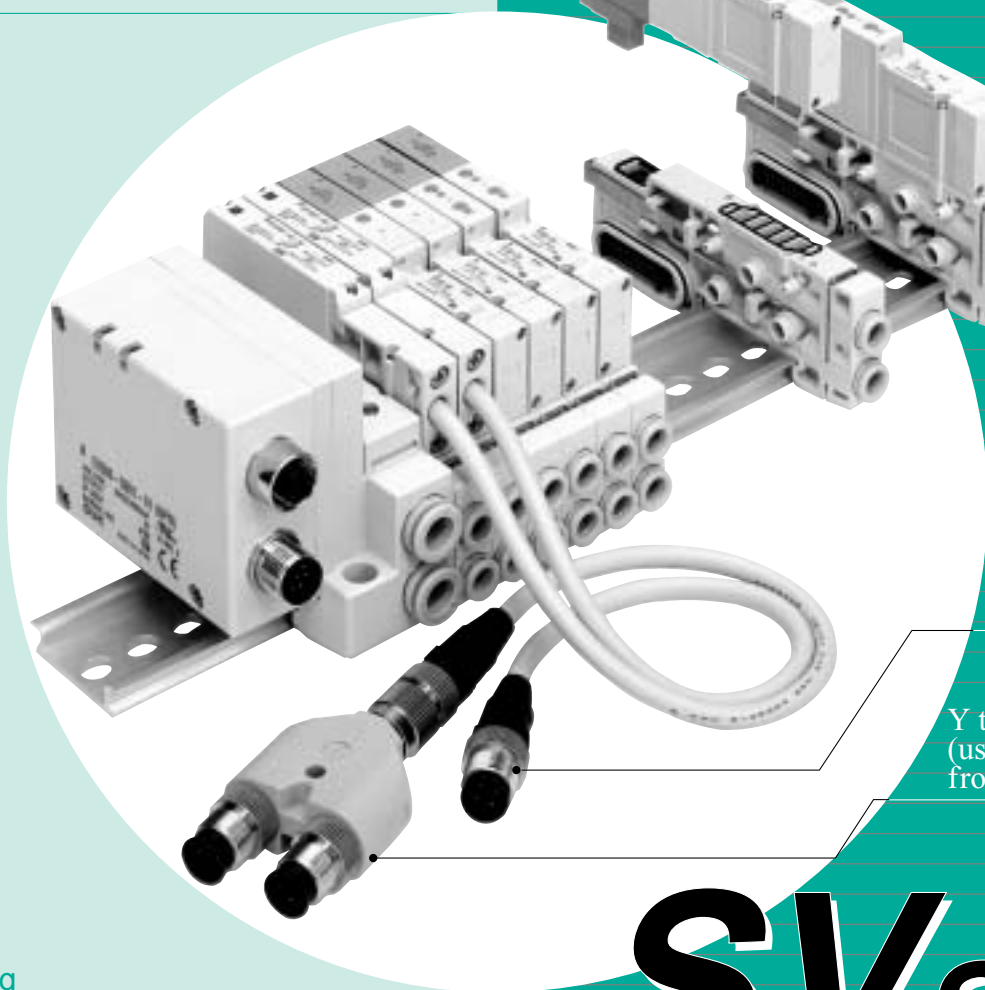
\*Refer to catalog for details. VQC series: ES11-8

## Dual 3 Port valves, 4 positions

- 1) Two 3 port valves built into one body.
- 2) The 3 port valves on the A and B side.
- 3) When used as a 3 port valves, only has 2 positions.
- 4) Three types of combinations [N.C./N.O.]
- 5) Mixed mounting with 5 port valve is also available.

Model	A side
<b>SV□A00/VQC□A01</b>	N.C.valve
<b>SV□B00/VQC□B01</b>	N.O.valve
<b>SV□C00/VQC□C01</b>	N.C.valve

# Y type Manifold



Replaceable  
One-touch fittings

Relay output module

Y type connector  
(used to tap 2 relay outputs  
from one relay output module.)

# SV Series

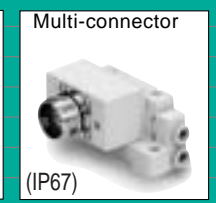
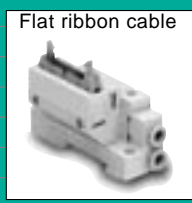
- Service life of 50 million cycles or more  
(Based on SMC life test conditions)
- IP67 (based on IEC529) enclosure for Serial Transmission manifolds (EX500 or EX250) and prepackaged wiring configuration manifold (Multi-connector).

## ■ Compact design with high flow capacity

Model (Series)	Manifold pitch (mm)	Flow characteristics Note)			Applicable cylinder size (mm)
		C[dm <sup>3</sup> /(s·bar)]	b	Cv	
<b>SV1000</b>	10.5	1.1	0.35	0.28	up to ø 40
<b>SV2000</b>	16	2.4	0.18	0.48	up to ø 63
<b>SV3000</b>	20.5	4.3	0.21	0.93	up to ø100
<b>SV4000</b>	24	7.0	0.18	1.6	up to ø125

Note) Values for 2-position single with tie-rod base manifold from the cylinder port to the exhaust.  
(from 2 to 3 and from 4 to 5)

## Wiring



up

ittings

al wiring  
I/O, etc.)  
ions

	D-sub connector	Multi-connector
	●	●
	●	●

SV series: ES11-81

can operate independently.  
the number of stations are required.  
], [N.O./N.O.] and [N.C./N.O.] are available.  
possible.

B side
N.C.valve
N.O.valve
N.O.valve



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*New Concept* Connector type manifold

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Connector type



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\*Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

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