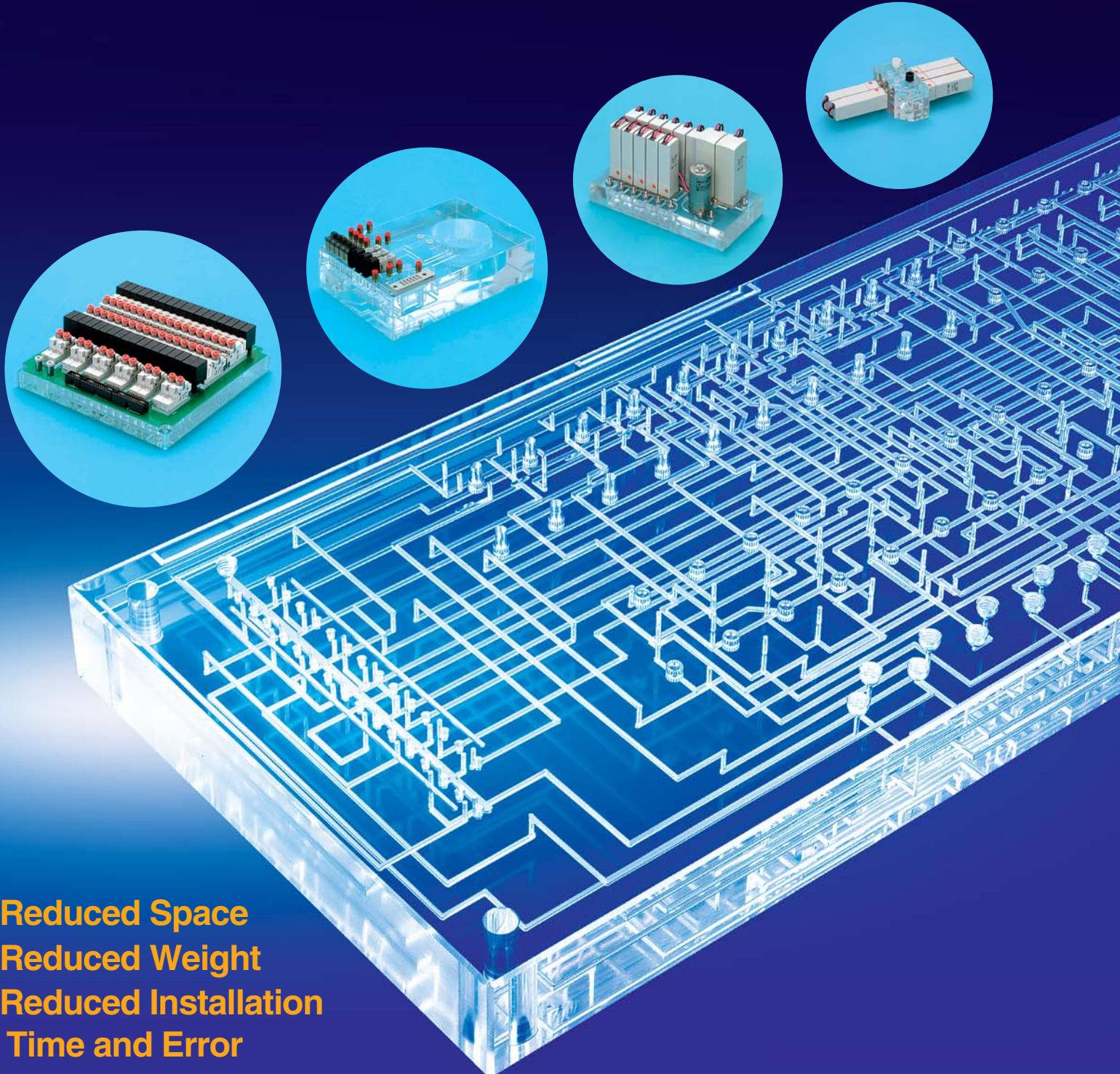


Composite Valve Manifold for Air, Gas & Liquid

Custom Engineered Plastic Manifold & Valve Technology



- Reduced Space
- Reduced Weight
- Reduced Installation Time and Error
- Reduced Cost of Ownership

SMC offers you the Benefit of Single Source

- *The widest selection of valves to suit the customer's requirements*
- *The best in-house design resource enables the customer to benefit from the latest technology*
- *The best Before/After-sales services through our global network*

Series LVM

Isolation liquid valve
with custom connection

Series VDW

Liquid valve

Series PVQ

Proportional valve

SY100 Series

Air pilot valve



Custom machined/Bonded plastic manifold

Tested and Packed to Customer's Requirements

The Supply of Plastic Manifolds and Valves!!

Customer's exact specifications!

Highly integrated and compact manifold design!

High world-wide network!



Series LVE

Isolation liquid valve

Series ISE / ZSE

Programmable liquid/air pressure switch with digital display

Series VQ100

Air pilot valve

Ultra Compact Valve

7mm width valve

Ideal for equipment in

- Medical Industry
- Analytical Industry
- Chemical Industry
- Semiconductor Industry
- etc.

Customer's Specifications

SMC Products for Plastic Manifold Applications

Valves for Liquid

Series LVM



Isolation Liquid 2/3 Port Valve

- Liquids and gases compatible with wetted materials
- Body material : PEEK
- Diaphragm : EPDM, FKM

Series LVE



Isolation Liquid 2/3 Port Valve

- Liquids and gases compatible with wetted materials
- Body material : New PFA
- Diaphragm : PTFE

Series VDW



2/3 Port Solenoid Valve

- For Water and Air

Valves for Air Pilot

Series SY100



3 Port Solenoid Valve

- Low power consumption
- Exceedingly long life
- Vacuum applications possible

Series VQ100



3 Port Solenoid Valve

- Compact with large flow capacity
- High speed, stable response
- A wide variation of wiring

Ultra Compact Valve



3 Port Solenoid Valve

- 7mm width

Other Products

Series PVQ



Proportional Valve

- Compatible with air, water

Series LJ, LG, LX



Electric Actuator

Electric Gripper



Series ISE/ZSE



Digital Pressure Switch

- 2 Color Display
- Positive / Vacuum Pressure

Series ITV



Compact Electro-Pneumatic Regulator

Series IDG/ID

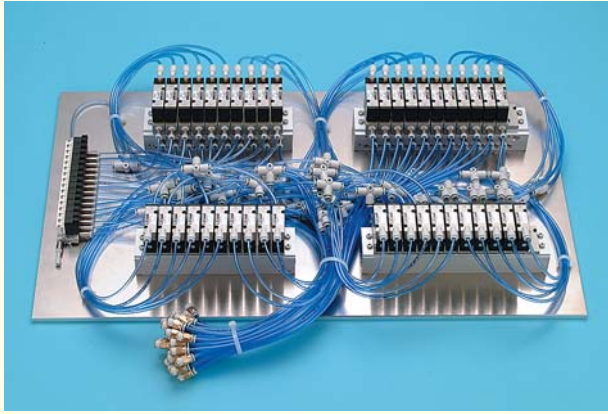


Membrane Air Dryer Heatless Air Dryer

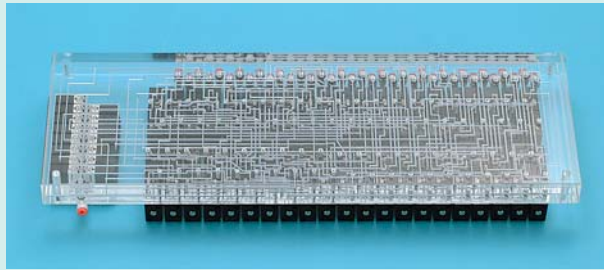
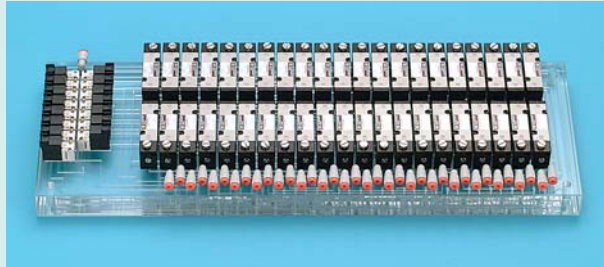
- Space saving
- Compact and light weight without heater and electric control board.

Realize reductions in manifold size, volume and installation time

Conventional system



Installation of valves on plastic manifold



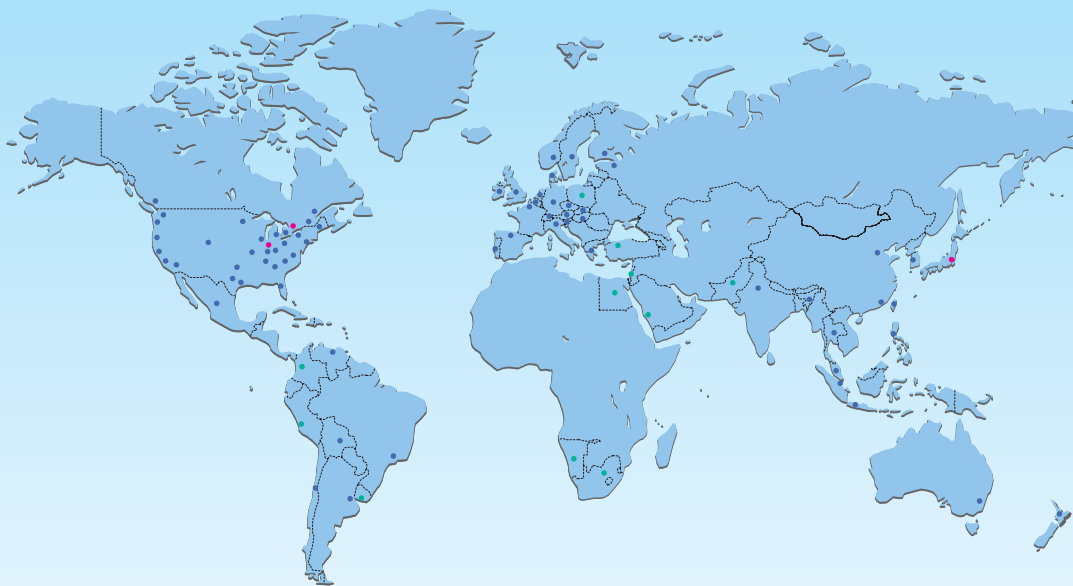
Comparison with conventional manifold



Main Specifications of Plastic Manifold Note)

Material	Acrylic, PEEK, Polycarbonate, Polyetherimide etc.
Fluid	Air, Gas and Liquid
Operating pressure	-100kPa to 0.7MPa (30 inHg to 100psi)
Operating temperature	0 to 40°C (32 to 104°F)
Ambient temperature	-5 to 50°C (23 to 122°F)

Note) Contact SMC for details



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