

For changing colors of aqueous/solvent based paint/ink, etc.,
paint gun, cleaning/air blow

Color Change Valve

(2/3 port air operated valve)



- Mountable on a robot arm
- Service life/Paint: 2 to 5 million cycles (depending on the type of paint)
Air, Water, Butyl acetate: 10 million cycles (for cleaning/blowing)
- Reduction of the paint deposit (dead space of the valve element parts is 0.01cc or less) *1/20 less than the previous model
- Valve can be replaced without touching the piping.

Space-saving/Robot arm mountable

- Compact, space-saving centralized piping
- 2/3 port valves and cleaning unit are mounted together.
- 2 valves are mountable per station.

Long service life, High reliability

- Service life/Paint: 2 to 5 million cycles (depending on the type of paint)
Air, Water, Butyl acetate: 10 million cycles (for cleaning, blowing)
- Operating pressure: 0 to 1.0 MPa, Withstand pressure: 1.2 MPa
- Failure prediction function installed (Leakage detection port, Switch indicator light)
- Complete separation of paint and pilot air (prevents mixing at the time of a failure)

High cleaning efficiency

- Reduction of the paint deposit *1/20 less than the previous model (Dead space of the valve element parts is 0.01 cc or less.)

Maintenance performance is improved.

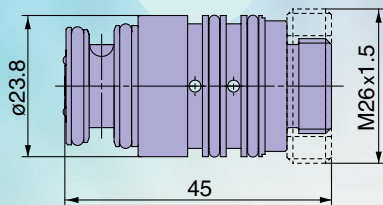
- Valve can be replaced without touching the piping.
- Stacking manifold base enables the station to increase or decrease. (Dead space between the bases is 0.01 cc or less.)

Cartridge

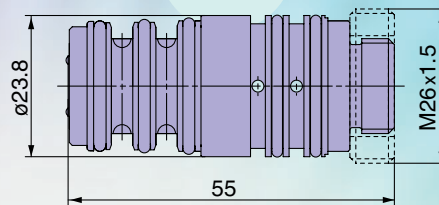
- Single valve unit can be mounted anywhere.



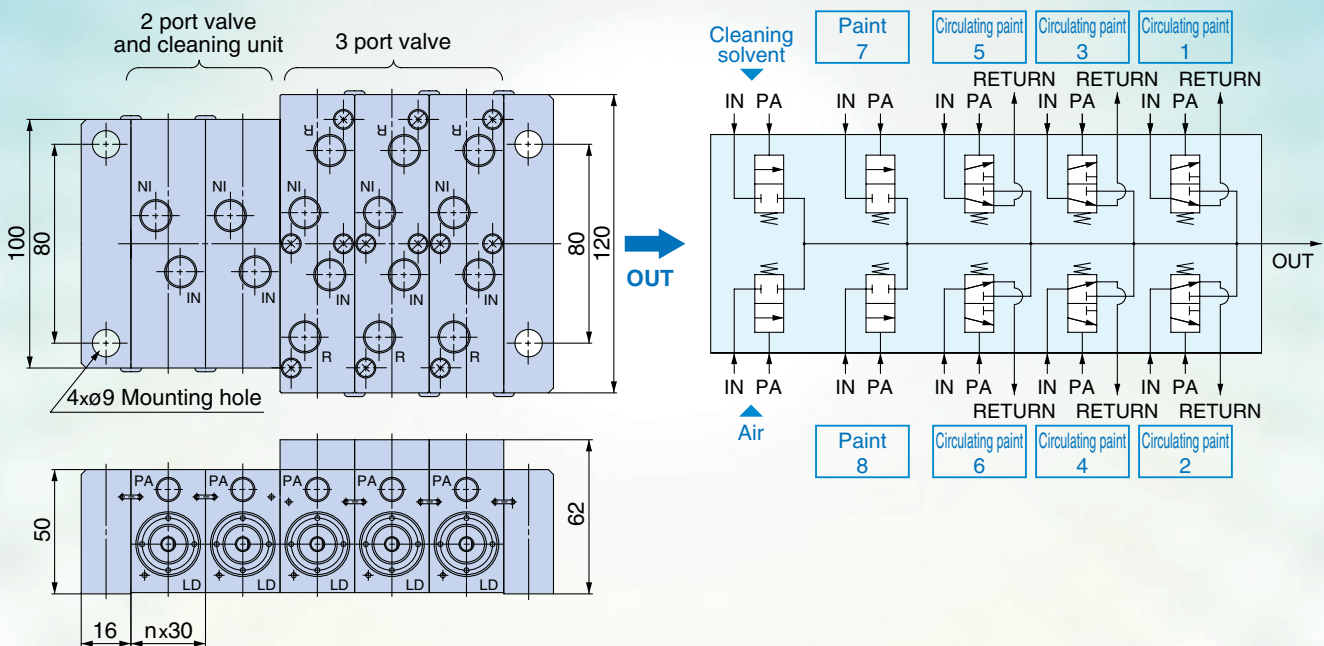
2 port valve
VCC12



3 port valve
VCC13



Manifold Example



Specifications

Construction	Poppet seal (Special resin + Stainless steel) + Special PTFE for sliding parts
Operating fluid	Aqueous/Solvent paint, Ink, Cleaning solvent (Water, Butyl acetate), Air
Operating pressure range	0 to 1.0 MPa
Withstand pressure	1.2 MPa
Pilot pressure	0.4 to 0.7 MPa
Orifice diameter/Effective area	ø3.8 / 6mm ²
Ambient and fluid temperature	5 to 50°C

Insert fitting / VCKK 50° swivel elbow



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