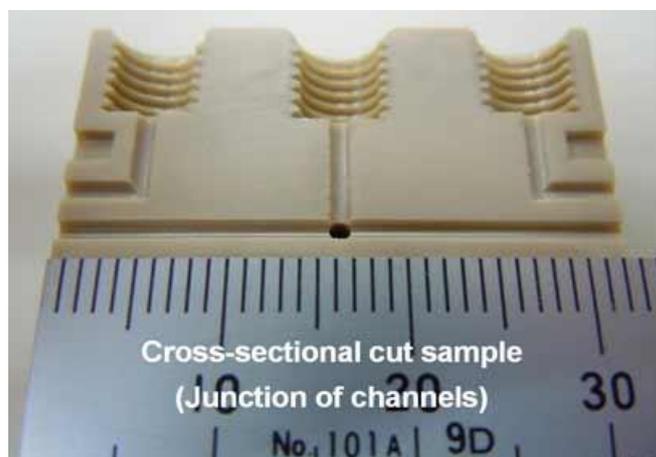


## MOULDED QUATERNARY VALVE CTV-2-4MICK



### For Cost Reduction of a Gradient Unit in a LC

The Quaternary Valve is a kind of manifold valve where, due to its structure, the four channels from the valves all join at one point and connect to the common port. The lengths of the four channels are the same and the flow rate of each is almost identical. This structure is designed to maintain a high accuracy of the mixing ratio. The product is often used to mix several kinds of eluant gradually in a low pressure gradient unit in a liquid chromatograph. Since a high processing accuracy is required at the junction of the channels, the manifold bases of almost all conventional models, including those of other manufacturers, are manufactured by machining, which results in an increased cost. With advanced moulding techniques, TAKASAGO has achieved the moulding of this junction in PEEK, and we are pleased to provide our Quaternary Valve at prices conventional models cannot match.



Various customisations are also possible, including improvement of the response time of the valves. Please feel free to ask us for the details.

### TAKASAGO ELECTRIC, INC.

66 KAKITSUBATA, NARUMI-CHO, MIDORI-KU, NAGOYA, 458-8522 JAPAN

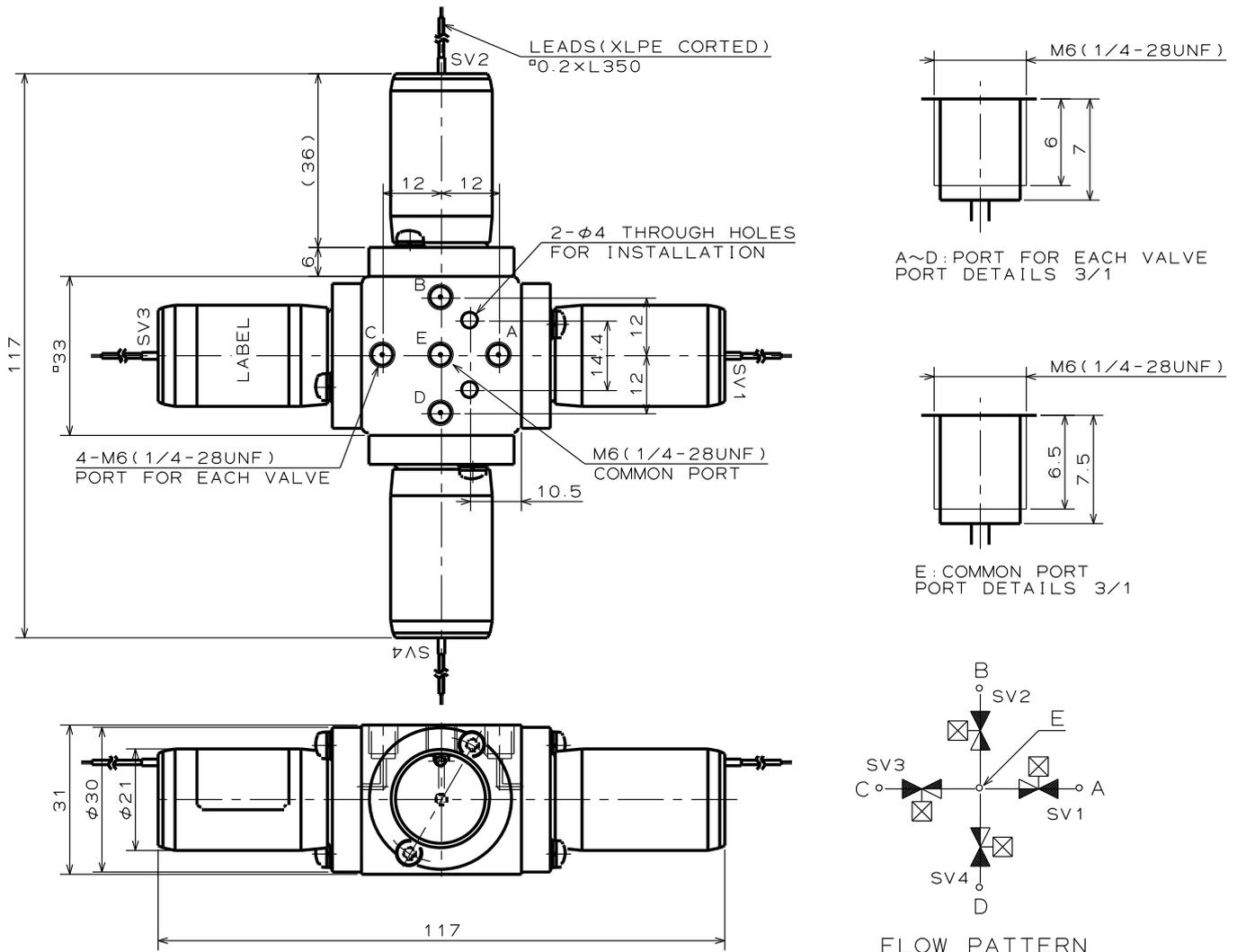
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E-mail: [info@takasago-elec.co.jp](mailto:info@takasago-elec.co.jp) URL: <http://www.takasago-fluidics.com/>

# Specifications

Model Number	CTV-2-4MICK
Type	2-way N.C. (Normally Closed)
Orifice Diameter	1.2 mm
Port Connection	M6 (Optionally 1/4-28UNF)
Operating Pressure Range	A ~ D : 0 ~ 50 kPa E : -65 ~ 150 kPa
Fluid / Ambient Temp. Range	5 ~ 40 °C
Rated Voltage	12 VDC, 24 VDC
Power Consumption	3.5 W × 4
Duty Cycle	Continuous
Insulation Class	Class B
Dielectric Strength	1500 VAC for 60 seconds
Wetted Materials	PTFE / PEEK / Perfluoroelastomer (Partially used as a gasket at the connection between the individual valves and the manifold base. It is not directly exposed to the flow path.)

# Dimensions and Flow Pattern



Note: Details including specifications may change without notification.