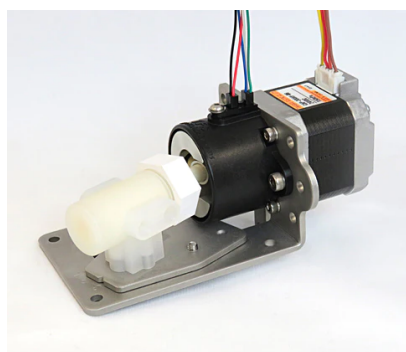
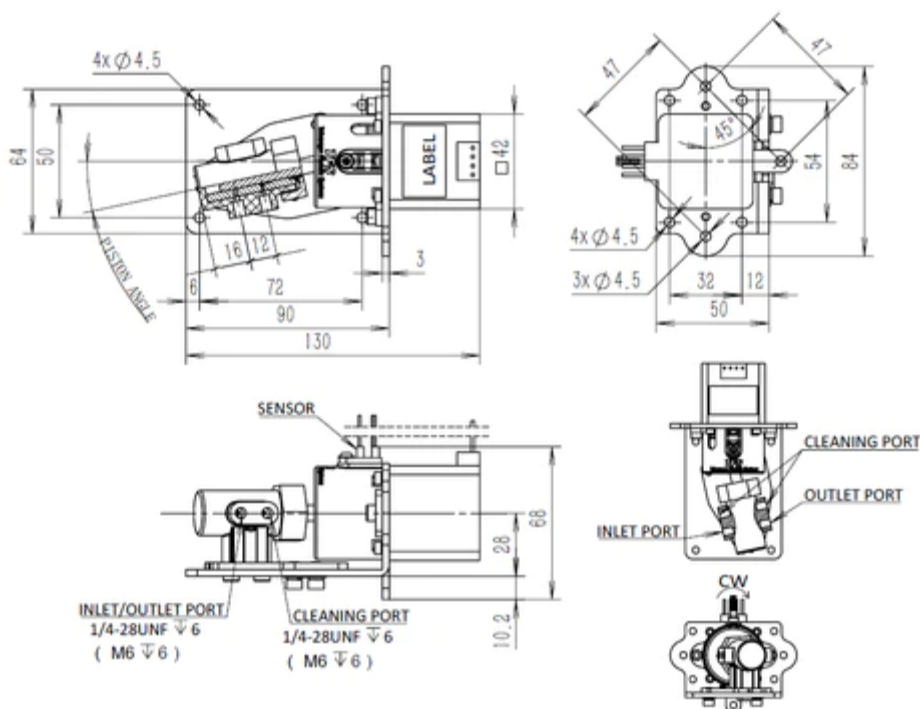


## Valveless Ceramic Piston Pump - CAP Series



- Ceramic piston pump with stepping motor drive and an optical sensor for high repeat precision (CV 0.5%).
- Ceramic with excellent abrasion resistance is used to achieve a service life of 10 million cycles\* or more.
- Wetted parts are made of PVDF, PTFE, and Al<sub>2</sub>O<sub>3</sub> for superior corrosion resistance.
- Flow rates of 100 µL, 200 µL, and 300 µL/shot are standard, but customization is available upon request.



C	A	P	-	①	②	③	-	④
				300	A	V		1/4U

① Flow Rate (µL/shot)

② Piston/ Cylinder Material:

A
Al <sub>2</sub> O <sub>3</sub>

③ Pump Head Material:

V	T
PVDF	PTFE

④ Port Connection:

1/4U	M6
1/4U-28UNF	M6

Outer Dimensions	130 x 84 x 68 mm
Motor	2-Phase Bipolar-Type Stepper Motor Motor Speed Range: 5 ~ 300 RPM
Pump Method	Valveless Piston Pump
Port Connection	M6 or 1/4-28UNF
Fluid Temperature Range	0 ~ 60°C
Ambient Temperature Range	0 ~ 40°C
Rated Voltage	24 VDC
Body Material	PVDF or PTFE
Other Wetted Materials	Al <sub>2</sub> O <sub>3</sub>
Flow Rate	100 µL/shot, 200 µL/shot, or 300 µL/shot
Discharge Pressure	150 kPa
Repeat Precision	CV 0.5%*
Weight	Approximately 630 g
Notes	<b>Note:</b> Details such as specifications, etc., may be changed without notice. *Tested at 100 RPM, 10 shot/no pressure conditions