

# Cooling Unit

## Structure and Features

The CU series cooling unit is specially designed and manufactured for the heat dissipation of water-cooled electrodynamic vibration generator.

This cooler is mainly composed of the stainless steel or brass water pump, stainless steel heat exchanger, water pressure regulating valve, pressure gauge, flow switch, level alarm switch, water tank, and the pipelines.



Major structural parts of the cooling unit are made from 304 or 316 stainless steel. Additionally, the cooling equipment comes with an exceptional large-displacement water pump unit and an automatic monitoring system. Therefore, it features easy operation, dependable performance, and convenient maintenance.

The cooling system can offer a host of protection functions including the system protection, too-low water level, external control, external cold water flow, thermal relay protection, armature water flow, armature water pressure, field coil water flow, field coil water pressure, output protection, and the control power supply, etc.

Our company primarily supplies four optional types of cooling unit including CU-1, CU-2, CU-3 and CU-4.

## Technical Data

Model	<a href="#">CU-1</a>	<a href="#">CU-2</a>	<a href="#">CU-3</a>	<a href="#">CU-4</a>
Internal Circle Water Flow (distilled water)	40 L/min	80 L/min	120 L/min	260 L/min
Internal Circle Water Pressure (distilled water)	1MPa	1MPa	1MPa	1MPa
External Circle Water Flow (City Water)	100 L/min	160 L/min	320 L/min	670 L/min
External Circle Water Pressure (City Water)	0.25-0.4MPa	0.25-0.4MPa	0.25-0.4MPa	0.25-0.4MPa
Water Pump Power	Internal Circle 4 kW/ External Circle 2.5 kW	Internal Circle 8kW/ External Circle 4kW	Internal Circle 8 kW/ External Circle 6.5 kW	Internal Circle 18 kW/ External Circle 12 kW
Distilled Water Requirement	Water hardness 30ppm, pH 7-8, Conductivity 1Us/cm			