

# Heat exchanger TEX-25A

*Specialized in using fluorine-based heating medium for the heating control in high temperature range.*

## Features

- Can accurately control the heating temperature in a wide high temperature range
- Inverter controlled
- The pump is risk free from liquid leakage
- Temp. drop in a short time by making the cooling water flow into the cooling coil

## Applications

- Heating control in high temp. range for Semiconductor manufacturing equipment



TEX-25A

## Hot medium circulator specializes in the heating temperature control.

Designed to be used with fluorine-based heating medium (Galden® HT270) for the heating control in high temperature range (+70°C to +200°C). Please note that this product cannot be used for cooling applications.

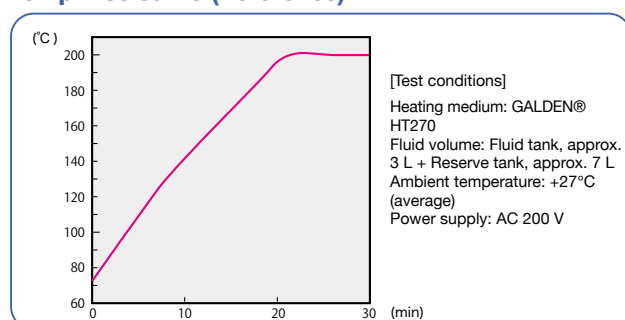
## Temperature drop quickly for Maintenance.

To lower the temperature quickly in case of maintenance, etc. that requires access to the internal structure, make the cooling water flow into the cooling coil. For example, in the case of cooling water +20°C, it takes approx. 25 minutes to lower to +70°C from +200°C.

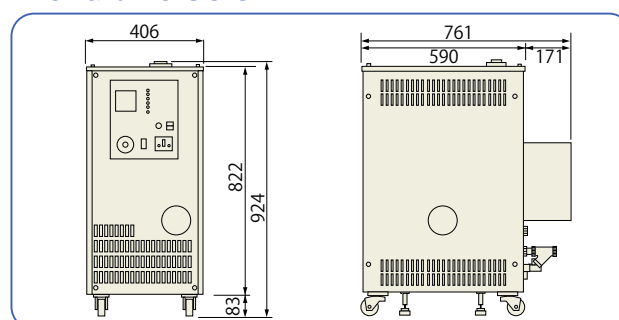
Model		TEX-25A
Temperature range		+70°C to +200°C
Control accuracy (*1)		PID controller, ±0.5°C
Heater output		2.5 kW
Pumping capacity	Flow rate [L/min]	14 (0.2 MPa, when circulating fluid is +150°C)
	Motor output [kW]	1.1
Temp. rise and drop time (*2)		Temp. rise time (+70°C → +200°C): approx. 30 min (cooling water OFF) Temp. drop time (+200°C → +70°C): approx. 25 min (cooling water ON), Cooling water condition: approx. 8 L/min at +20°C
Safety device/function		Short/Over current breaker, Circulating fluid high temperature, Temperature abnormal, Low fluid cut off, Liquid high-level, Pump overload
INPUT/OUTPUT functions		Remote temperature control connector, Heater ON/OFF input, Cooling water ON/OFF input, Temp. monitor signal output, Safety device actuation signal output
Heating medium (Circulating fluid)		GALDEN® HT270 or HT200 (cannot be mixed in)
Fluid tank capacity		approx. 3 L (+Reserve tank: approx. 7 L)
Connecting pipe diameter		Circulating fluid in/out: Rc1/2, Primary cooling water in/out: Rc1/2
Dimensions (WxDxH) / Weight		406 × 761 × 924 mm, approx. 115 kg
Power Supply (three phase AC 200 V, 50/60 Hz)		15 A (Need a step-down transformer outside when used.)
Operation current		12 A
Standard accessories		Signal connector, power connector

(\*1) When the circulation flow rate is less than 5 L/min at no-load. (\*2) The unit alone at no-load.  
• Ambient temperature range for this product is +7°C to +35°C.  
• The fee for Delivery, Installing, Piping work, and Wiring work are quoted separately.

## Temp. rise curve (Reference)



## External dimensions



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Appendix