## **Circulating Fluid Temperature Controller**

# **Eldro-Chiller**

## Double Inverter Type

## Temperature stability ±0.1 °C

- Circulating fluids types: Fluorinated fluids / Ethylene glycol aqueous solutions / Clean water, Deionized water
  Temperature range setting: -20 to 90°C/10 to 60°C/-80 to 200°
- ✤ Temperature stability: ±0.1°C





# eldro-chiller

# Series **PWZH**

## Double inverter Type

#### **Cooling capacity**

Symbol	Cooling capacity	Temperature range setting	
F1	10 kW	-20 to 90°C	
F2	10 kW	-20 to 90°C	
F3	9 kW	10 to 60°C	
F4	8 kW	-80 to 200°C	

3-phase 200 V AC (50 Hz) 3-phase 200 to 230 V AC (60 Hz)

#### Specification

Model			PWZH010-F1	PWZH010-F2	PWZH010-F3	PWAZ010-F4	
Cooling method			Water-cooled refrigerator type				
Control system			PID control				
Ambient temperature/humidity			Temperature: 10 to 35°C, Humidity: 30 to 70%RH				
	Circulating fluid		Fluorinert GALDEN	Ethylene glycol aqueous solution: 60%	Clean water, Pure water	Silicone Oil / Thermal Transfer Oil	
	Temperature range setting [°C]		-20 to 90		10 to 60	-80 to 200	
Circulating fluid system	Cooling capacity [k		10	10	9	1 / 2	
		[kW]	(at 20°C)	(at 20°C)	(at 20°C)	(at -80°C) / (at - 50°C)	
	Heating capacity	[kW]	5	4.5	2.5	3	
			(at 20°C)	(at 20°C)	(at 20°C)	3 kW Heater	
	Temperature stability	[°C]	0.1				
	Pump capacity	[MPa]	Max. 0.72 (at 20 L/min)	Max. 0.40 (at 20 L/min)	Max. 0.38 (at 20 L/min)	Max. 0.12 (at 110 L/min)	
	Rated flow [L/min]		20			110	
	Flow range	[L/min]	(With flow control function by inverter)				
	Main tank capacity [L]		Approx. 15			Approx. 90	
	Sub-tank capacity [L]		Approx. 16			filled as needed	
	Port size		Rc 3/4				
	Wetted parts material		Stainless steel, EPDM, Copper brazing (Heat exchanger), PPS, Silicon, Fluororesin				
Cooling water	Temperature range [°C]		10 to 30		10 to 25	10 to 25	
	Pressure range [MPa]		0.3 to 0.7			0.1 to 0.5	
	Required flow rate (50/60 Hz) [L/min]		15/15			from 25	
	Port size		Rc 1/2				
	Wetted parts material		Stainless steel, EPDM, Copper brazing (Heat exchanger), PPS, Silicon, Brass				
Electrical system	Power supply		3-phase 200 VAC 50 Hz, 3-phase 200 to 208 VAC 60 Hz Allowable voltage fluctuation ±10%				
	Breaker capacity	[A]		30		70	
ш	Rated current	[A]	26	25	25	60	
Weight [kg]		[ka]	165			From 150	

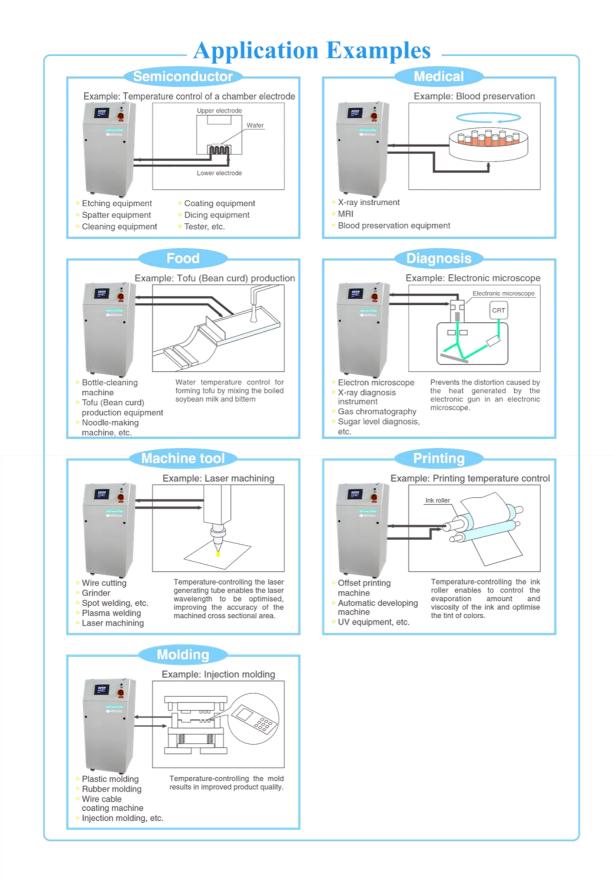


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# eldro-chiller





## eldro-chiller





### eldrotec

Hyotzer ST. 39 Kiryat Bialik P.O.B 1280 Phone: +972-4-6893080, Fax: +972-4-8734236 Email: info@eldrotec.com www.eldrotec.com ISO-9001:2015 ISO-13485:2016 Comply to AS-9100 Comply to MIL-STD



