

Thermogel TDK

Temperature Control Unit

Water Temperature Controller (120°C)

The new line of temperature controllers has been designed in partnership with Matsui, that provides the main components, built and long tested in Japan.

Temperature controllers are designed to control automatically and to keep diathermic fluids at the required temperatures in industrial processes.

TDK are suitable for small-medium size injection molding machines with a large working temperature range, thanks to the direct cooling and the possibility to operate with pressurized water up to 120°C.

They are available in 3 models:

- ▶ TDK 25 version
- ▶ TDK 55 version
- ▶ TDK 88 version

Main Features:

- ▶ Operating temperature up to 120 °C
- ▶ Direct cooling through solenoid valve
- ▶ Peripheral pump common to all versions
- ▶ Automatic water filling system
- ▶ Self tuning PID electronic control instrument including alarm display
- ▶ Solid state relay
- ▶ Compact design
- ▶ Cabinet on wheels for easy moving
- ▶ Internal by-pass to protect the pump
- ▶ Safety thermostat
- ▶ Safety pressure relief valve
- ▶ Manual Bypass valve to control the pressure
- ▶ Pressure gauge in the delivery pipe

Options:

- ▶ Flow meter
- ▶ Flow rate monitor
- ▶ Pressure transducer
- ▶ Serial connectors
- ▶ External temperature sensor
- ▶ Return temperature sensor
- ▶ Visual alarm
- ▶ Two, four or eightway manifolds



Advantages:

- ▶ High accuracy: +/- 0,1°C of the set value
- ▶ Simple and functional user interface with wide visibility of the working parameters
- ▶ High accessibility for easy maintenance
- ▶ Compact dimensions and easy to install
- ▶ High resistance to corrosion, thanks to main components in non-ferrous material



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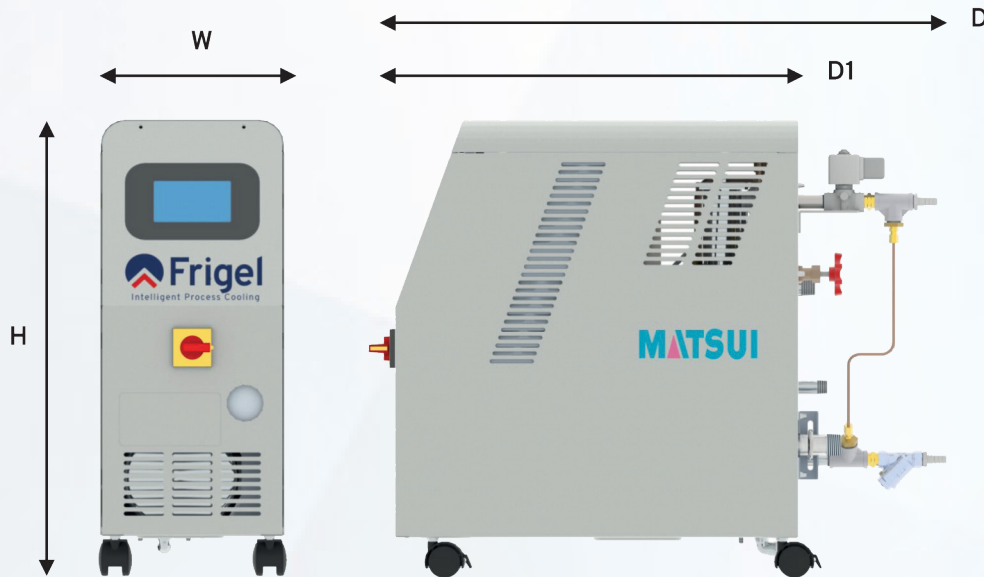
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Technical Specifications



Model		TDK 25	TDK 55	TDK 88
Fluid		Clean Water		
Max. Temperature	°C	120	120	120
Heating Capacity	kW	4	6	9
Type of Cooling		Direct Cooling		
Pump	kW	0,3	0,6	1,0
Max. Flow	l/min	35	55	90
Pressure	bar	0,5 ÷ 4,0		
Net Weight	kg	40	50	60
Connections to Process	ISO/R	1/2"	3/4"	1"
Dimensions	W [mm]	232	232	232
	D [mm]	651	651	737
	D1 [mm]	500	500	560
	H [mm]	564	564	674

Available Power Supply: 400V/50Hz

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