

# TCO SERIES TEMPERATURE CONTROLLERS

## GENERAL DATA

MODEL	TCO-111CS	TOC-1011M	TCO-1111M	TOC-1021MS	TCO-1032MS	TCO-1042MS	TCO-1054MS
Pump hp	3/4	3/4	3/4	3/4	1	1	2
Flow rate GPM	10	10	10	10	18	18	24
Flow rate PSI	30	30	30	30	30	30	50
Length	30"	16"	16"	16"	16"		
Width	16"	24"	24"	24"	24"		
Height	26"	46"	46"	46"	46"		
Process Line	1"	1"	1"	1"	1"	1"	1"
Temperature	300°F	400°F	400°F	550°F	550°F	550°F	550°F

## CONSTRUCTION

Cabinet & Frame	Steel
Finish	Powder coated
Piping & Fittings	Schedule 40 iron
Features	Four industrial grade swivel casters; Components arranged for serviceability and ease of maintenance; Minimum use of threaded fittings to prevent leaks.

## PUMP

Type	Positive displacement
Motor	ODP, 60Hz / 17 rpm
Seal	Mechanical

## ELECTRICAL/CONTROL PANEL

Safeties	Fused motor & heater protection Fused transformer protection (both primary and secondary sides) Motor overload protection High temperature safety thermostats (backs-up main thermostats) High temperature for fail safe over heating protection Pressure relief valve on heat exchanger NEMA 1 electrical specifications NEC electrical code conformance Non-fused disconnect switch Full-flow bypass valve to protect heating elements and pump
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## CONTROLLER

Omron 1/8 DIN – Microprocessor based, PID control Dual display Fully-programmable providing versatility Easy-to-read LED display Positive feel control buttons.
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