

TC SERIES TEMPERATURE CONTROLLER SPECIFICATIONS

GENERAL DATA

MODEL	TCI-1/2	TCI-3/4	TCI-1	TCI-1-1/2	TCI-2	TCII-3/4	TCII-1	TCII-1-1/2	TCII-2	TCII-3
Pump hp	½	¾	1	1½	2	¾	1	1½	2	3
Flow rate GPM	10	20	25	30	30	20	25	30	50	70
Flow rate PSI	20	26	28	39	39	26	28	39	40	43
Length	22	22	22	22	22	21	21	21	21	21
Width	13	13	13	13	13	16	16	16	16	16
Height	16	16	16	16	16	25.5	25.5	25.5	25.5	25.5
Weight	100	105	105	110	110	320	320	330	330	350
FLA (460-3-60) 4.5kW Heater	6.3 12.2	6.6	6.8	7.5	8.2	-	-	-	-	-
9.0kW Heater	-	12.5	12.7	13.4	13.4	-	-	-	-	-
12kW Heater	-	-	-	-	-	16.3	16.7	17.2	17.9	19.4
18kW Heater	-	-	-	-	-	23.8	24.2	18.4	25.4	26.9
Process Line	1"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	2"
Make-up Line	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"
Drain Line	½"	½"	½"	½"	½"	½"	½"	½"	¾"	¾"

CONSTRUCTION

Cabinet & Frame	Carbon steel
Finish	Painted with acrylic enamel
Piping & Fittings	Copper, bronze and stainless steel
Features	Four industrial grade swivel casters; Components bolted to the frame for ease of maintenance; Minimum use of threaded fittings to prevent leaks; Electronics protected in separation bay with hinged lid

PUMP

Type	End suction close coupled centrifugal Non-overloading Horizontally mounted
Construction	All bronze
Motor	ODP, 60Hz / 3450 rpm
Seal	EPDM-CM mechanical seal
Features	Seal flush; Liquid filled pressure gauge; Motor contactor; Overload protection

TANK

Type	AISI 304 stainless steel
Insulation	0.5 inch Armaflex or equivalent
Safeties	Continuous air purge; Pressure relief valve

ELECTRICAL/CONTROL PANEL

Temperature Control	1/16 DIN PID controller
Indicators and Controls	Set-point temperature Actual temperature Unit on Pump on Heater on Cooling on Low water pressure
Features	One button start-up Auto-tuning at start-up Fused transformed