

TEMPERATURE CONTROLLERS

VT SERIES

with LS Series Controller

- **Stainless Steel Cabinetry**
- **LS Control Instrument**
- **Solenoid Cooling Valve**
- **Operating Temperatures to 250°F**
- **Heaters to 16 KW and pumps to 3 HP**
- **Custom Cast Pump & Tank Assembly**

The **VT Series** is the new 'old soldier' for temperature control. Designed by skilled and experienced Veteran Engineers that know the industry. This temperature controller is competent of your needs, built for long term dependable, full time operations. For precise temperature control, no other controller beats the **VT Series** model.



VT-275 shown



LS Controller

AOK
Supplies

TANK CONSTRUCTION:

- Twin tanks - separate heating and cooling cylinders
- Cast iron material
- Machined process connections
- Flange mounted to pump casing
- Thermoformed cover panel

PUMP:

- Cast iron casing - custom design for increased flow
- Bronze pump impeller
- Pump seal flush
- Stainless steel pump motor shaft

COOLING VALVE:

- 3/8" solenoid valve
- Microprocessor controlled
- Integral to cooling cylinder
- Field serviceable

HEATER:

- Flanged bolt-in mount
- Incoloy sheath
- Mercury heater contactor

CABINETY:

- Stainless steel
- Hinged electrical cabinet door
- Lift-off mechanical cover
- Portable, on casters
- Process pressure gauges

LIMIT DEVICES:

- Water supply pressure switch
- Motor overloads
- Pressure relief valve
- High temperature limit
- Fused control circuit

ELECTRICAL:

- Process pump motor starter
- Fused transformer
- 10' power cord installed

'LS' SERIES CONTROLLER:

- Continuous *to process* temperature display
- Selectable setpoint temperature display
- Status indicators for *power on, pump on, heat on, cool on*
- On / off rocker switch

WARRANTIES:

- 2 year controller
- 2 year cooling valve
- 2 year heater
- 2 year mechanical

PRICE & PERFORMANCE... for the LONG TERM

525 East Stop 18 Road Greenwood, IN 46142 317-887-6352 fax: 317-881-1277 web site: www.Temptek.com email: sales@Temptek.com

www.aoksupplies.com

TEMPTEK®

since 1989

SPECIFICATIONS

MODELS		150	175	1100	1150	1200	1300	250	275	2100	2150	2200	2300	350	375	3100	3150	3200	3300
HEATER¹	KW	6	6	6	6	6	6	10	10	10	10	10	10	16	16	16	16	16	16
PROCESS PUMP²	HP	1/2	3/4	1	1 1/2	2	3	1/2	3/4	1	1 1/2	2	3	1/2	3/4	1	1 1/2	2	3
	GPM	20	35	45	62	75	80	20	35	45	62	75	80	20	35	45	62	75	80
	PSI	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
FULL LOAD AMPERAGE³	230 / 3 / 60	17.0	17.8	18.6	20.2	21.8	24.6	27.0	27.8	28.6	30.2	31.8	34.6	42.0	42.8	43.6	45.2	46.8	49.6
DIMENSIONS (inches)	460 / 3 / 60	8.5	8.9	9.3	10.1	10.9	12.3	13.5	13.9	14.3	15.1	15.9	17.3	21.0	21.4	21.8	22.6	23.4	24.8
	Height	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4	28 1/4
	Width	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2
	Depth	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2
CONNECTIONS (inches)	To / From Process	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
	Water Supply / Drain	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
WEIGHTS (lbs)	Shipping ⁴	195	200	205	205	210	220	198	200	208	208	213	223	200	205	210	210	220	225

Notes:

1. Derate heater by 25% for 208/3/60 operation.
2. Consult factory for pump curve performance.
3. Full load amps are higher than run load amps and must be used for sizing disconnects and supply wiring. Service disconnect by owner. Actual running amps at design conditions. Consult factory for 50Hz operation.
4. Unit weight crated for shipment.



OPTIONS:

- Dual zone dolly with water manifold or with electrical junction box
- Stacking stand with water manifold or with electrical junction box
- Mold purge kit
- Non ferrous tanks
- Bronze pumps and/or piping
- Total non ferrous units
- Closed circuit designs
- Audible alarm
- Visual/audible alarm beacon

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TEMPERATURE CONTROLLERS

VT SERIES

with LX Series Controller

- **Stainless Steel Cabinetry**
- **LX Control Instrument**
- **Modulating Cooling Valve**
- **Operating Temperatures to 250°F**
- **Heaters to 16 KW and pumps to 3 HP**
- **Custom Cast Pump & Tank Assembly**

The Veteran LX temperature controller offers an enhanced microprocessor instrument and modulating cooling valve for more precise process temperature control packaged in a stainless steel cabinetry for a pleasing appearance.

All components, such as pumps, cylinders, contactors, valves and instruments are built for long term service and minimal maintenance. Veteran temperature controllers fit easily into any applications that require high level control of process temperature.



VT-275 shown



STRAIGHT-LINE TEMPERATURE CONTROL

The new modulating cooling valve precisely meters the right amount of cooling water to keep the process temperature within 1/2° of the setpoint. No pump seal or heater damage from the pressure spikes of water hammer.

FRIENDLY MICROPROCESSOR CONTROL

Large temperature display and digital selection of setpoint. Indicator lights for Power, Pump, Heat and Cool.

TWIN TANK SYSTEM

Separate tanks for heating and cooling gives greater temperature control and simplifies service and maintenance.

CUSTOM PUMP CASING

The custom pump casing produces more flow at less HP than conventional pumps for greater efficiency and energy savings.

AVAILABLE FROM STOCK

TempTek Veteran temperature controllers ship from stock or with short lead times, usually two weeks or less.

Quantity and **cash** discounts are offered. Call your dealer or the factory for discount plans.

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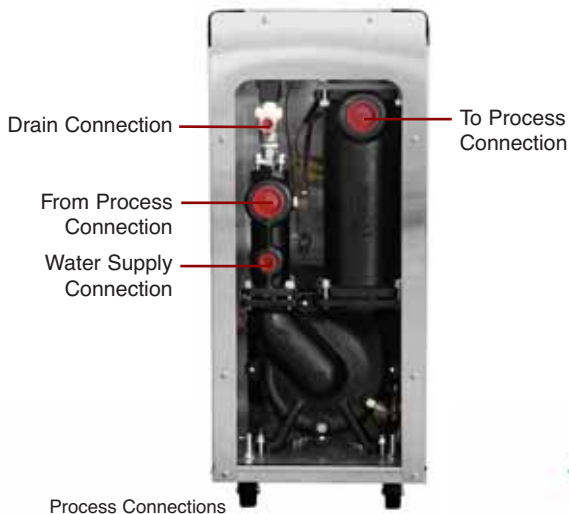
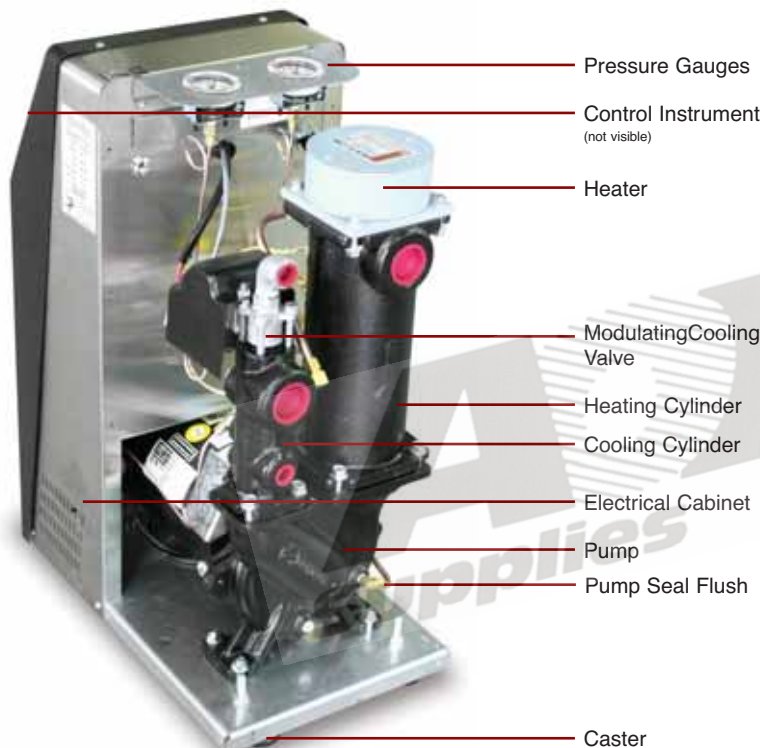
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	Width	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2	12 1/2
CONNECTIONS (inches)	Depth	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2	19 1/2
	To / From Process	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
WEIGHTS (lbs)	Water Supply / Drain	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Shipping ⁴	195	200	205	205	210	220	198	200	208	208	213	223	200	205	210	210	220	225

Notes:

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STANDARD FEATURES and OPTIONS

UNIT CONSTRUCTION

- Stainless steel enclosure panels with lift-off mechanical cover and hinged electrical cabinet door
- Upright design on casters
- NPT female connections
- Flow-through cabinet ventilation

CIRCULATING SYSTEM

- Custom cast pump casing
- Custom cast cylinder system
- Modulating cooling valve
- Flange mounted dual voltage heater
- Pump seal flush line

INSTRUMENTATION

- Microprocessor based controller
- Large and bright temperature display in °F or °C
- Status indicators for Pump, Heat, Cool, Power
- On / off rocker switch
- Digital selection of setpoint
- Process pressure gauges

ELECTRICAL

- Pump motor starter
- Transformer
- Factory installed 10' power cord

LIMITS

- Low water supply pressure
- Motor overload
- Instrument fuse
- Pressure relief valve
- High temperature

WARRANTY

- 2 years parts and labor

OPTIONS

- Closed circuit kit
- Dual zone kit
- Non-ferrous construction
- Mold purge

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