

# Delta T Systems

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Richfield, WI 53076  
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[www.deltatsys.com](http://www.deltatsys.com) | [www.deltaparts.com](http://www.deltaparts.com)



Thank you for your interest in purchasing Delta T Systems equipment. It is my pleasure to provide the following temperature control unit quotation. You will find pricing, specifications, feature upgrades and spare part recommendations for a full featured, reliable temperature control unit.

Our vision at Delta T Systems is to be your unquestioned, first choice for temperature control units and chiller products. We will only produce high quality, reliable products made in the USA. You can trust Delta T Systems to consistently meet your specific operating conditions and delivery requirements.

Your feedback is invaluable. Don't hesitate to contact me with any questions or comments. Thanks again and I look forward to working with you on this order.

Sincerely,

A rectangular box containing a handwritten signature in black ink, which appears to read "Bob Proudfoot".

Bob Proudfoot  
Key Account Manager  
[Bob.proudfoot@deltatsys.com](mailto:Bob.proudfoot@deltatsys.com)

# Delta T Systems Temperature Control Unit Compact Series

## GENERAL UNIT OVERVIEW

- Compact, fully featured water temperature control unit designed for continuous, reliable service
- 4.5 kW single zone temperature control
- ¾ hp, 25 gpm at 25 psi centrifugal pump/motor
- 3/60/460V electrical service
- 250° F max operating temperature
- Microprocessor based, PID controller, 1/16<sup>th</sup> DIN



## PRICING AND DELIVERY

Quotation #.....	Q012319A
Model Number.....	SA-430
Quantity.....	1
Price.....	\$2,340.00 each
<b>Total Price.....</b>	<b>\$2,340.00</b>
Delivery .....	TBD weeks after receipt of order*
	(*Expedited lead times available depending on product features)

## SPECIAL FEATURES – (INCLUDED IN THE PRICE)

- None

## FEATURE UPGRADES, OPTIONS AND SPARE PARTS

• Upgrade: 3/60/230V electrical service.....	\$ 0.00
• Upgrade: ¼” solenoid with 9/32” orifice.....	\$ 35.00
• Upgrade: PID controller 1/8 <sup>th</sup> DIN.....	\$ 75.00
• Upgrade: PID controller 4-20 mA/0-10V, remote set-point.....	\$ 425.00
• Spare parts kit (basic).....	\$ TBD
○ Pump seal kit	
○ Heater and heater gasket	
○ Solenoid valve	
• Solid state heating contactor.....	\$ 165.00
• Cooling solenoid outside the cabinet .....	\$ 85.00
• Touch safe electrics .....	\$ 175.00
• Remote start/stop.....	\$ 35.00
• Alarms; visual and audible alarm w/ silence switch.....	\$ 450.00

\*\*\*Additional feature upgrades and options available upon request!\*\*\*

## STANDARD FEATURES

### Mechanical Features

- Compact, space saving cabinet with heavy gauge, powder coated sheet metal construction
- Centrifugal pump, 3 phase motor, non-overloading
- Stainless steel motor shaft
- Long life silicon carbide high temperature seal
- Incoloy sheathed, low watt density heater element
- Fully insulated tank to maximize heating efficiency
- Automatic vent sequence with vent button to purge the process loop
- Liquid filled Delivery and Return pressure gauges
- Highly visible system status indicators:
  - Cooling –on
  - Low water pressure
  - Power – on
  - Heating – on
- Direct injection cooling method; cooling solenoid integral to the drain line
- Safety relief valve, protects the process loop from high pressure
- Safety thermostat protection programmed into the PID controller
- Safety pressure switch, protects unit from running without cooling water

### Controls and Electrical Features

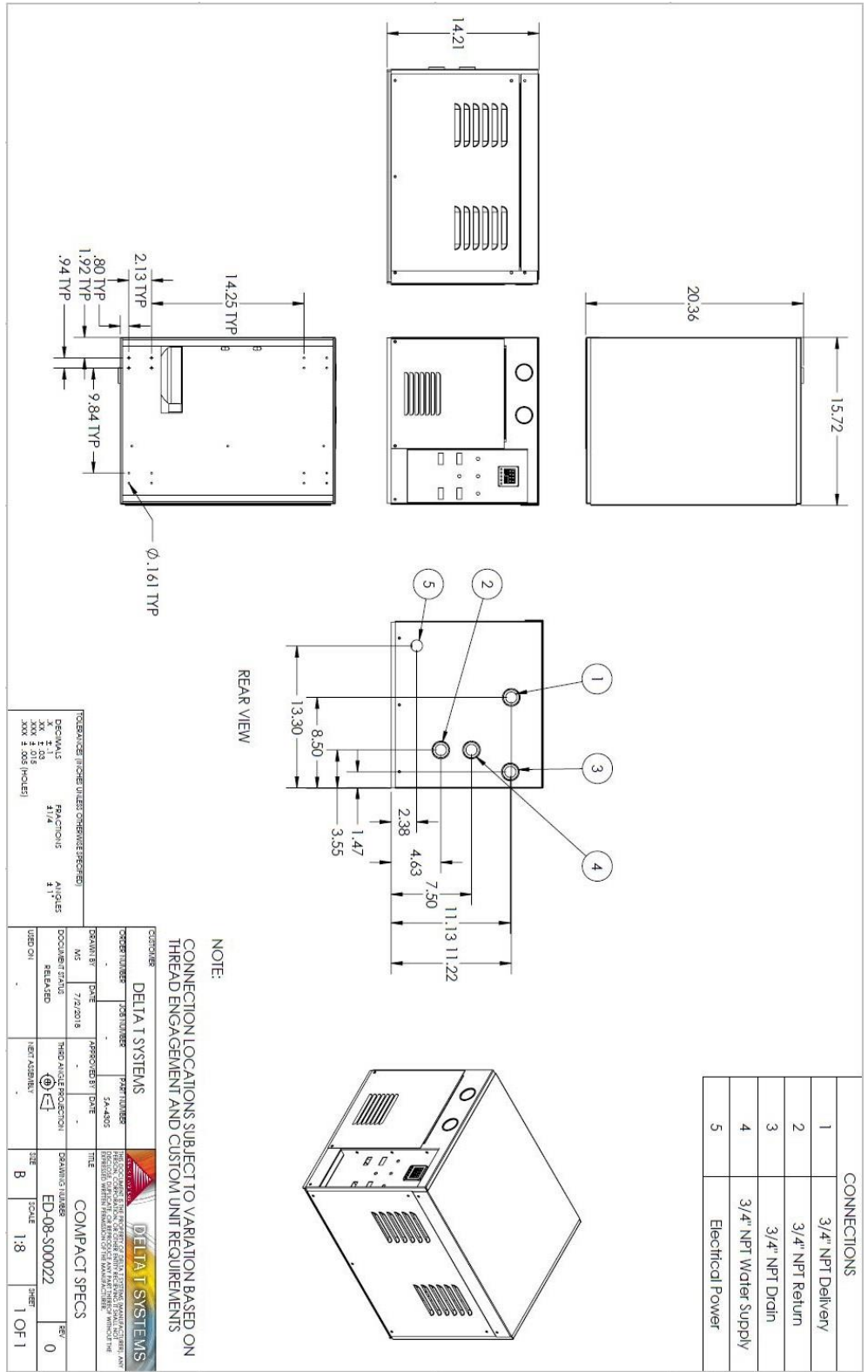
- Fully programmable microprocessor based PID controller, designed to provide versatility and control flexibility
- Motor circuit interrupter protection
- Fuse protection on primary and secondary side of the control transformer
- Grounded control circuit
- NEMA 1 electrical specifications and NEC electrical code conformance
- UL, CSA, CE recognized and listed electrical components

## COMMERCIAL TERMS AND CONDITIONS

Pricing Validity.....	30 days
Payment Terms.....	Net 30 days
Shipping Terms.....	FOB Delta T Systems Richfield, WI
Warranty.....	Lifetime pump/heater casting 3 year microprocessor and controller parts 1 year on all parts, except expendable items

- Lead times are subject to change and a delivery commitment will be made upon order acknowledgment. If expedited shipment is needed, don't hesitate to contact the Delta T Systems sales team.
- Pricing does not include any sales, use, excise, or any other taxes incident to the sale or use of Delta T Systems, Inc. product or parts.
- Credit card payments are subject to a 4% transaction fee.
- Orders in excess of \$20,000.00 require a 35% down payment. Orders in excess of \$40,000 or orders with lead times exceeding 8 weeks require an additional 35% payment before shipment.
- Delta T Systems standard warranty terms apply.
- All sales are final. Returns are evaluated on a case by case basis at the discretion of Delta T Systems. To be eligible for a return, the purchaser must obtain an approved return goods authorization from Delta T Systems.

# UNIT SPECIFICATION DRAWING (for reference only)



CONNECTIONS	
1	3/4" NPT Delivery
2	3/4" NPT Return
3	3/4" NPT Drain
4	3/4" NPT Water Supply
5	Electrical Power

NOTE:  
 CONNECTION LOCATIONS SUBJECT TO VARIATION BASED ON  
 THREAD ENGAGEMENT AND CUSTOM UNIT REQUIREMENTS

TOLERANCES UNLESS OTHERWISE SPECIFIED FINISHES UNLESS OTHERWISE SPECIFIED ANGLES UNLESS OTHERWISE SPECIFIED	
PERMANENT	RAA
XX	1/16"
X	1/32"
Ø	±.005 (HOLE)
XXX	±.005 (HOLE)

COMPANY	DELTA T SYSTEMS
PROJECT NUMBER	5A-435
DATE	7/2/2018
ISSUED BY	MS
REVISION	RELEASED
APPROVED BY	MS
DESIGNED BY	MS
DATE	7/2/2018
TITLE	COMPACT SPECS
SCALE	1:8
SHEET	1 OF 1