

SEU SERIES



Water Temperature Control Units

DEPENDABLE AND COST EFFECTIVE WITH HIGH QUALITY PERFORMANCE

The SEU Series Water Temperature Control Units provide an economical solution to your temperature control needs. Limited in price, but not in features, these units have all of the safety features that you have come to expect. Standard features include vertically mounted Incoloy® immersion heaters, bronze-fitted centrifugal pumps from 3/4 hp to 7 1/2 hp, solenoid valves up to 3/4" NPT, branch circuit fusing, and automatic vent sequence.



Features

- Off-the-shelf microprocessor based PID temperature controller with Process and Setpoint LED readouts
- Graphic control panel with indicator and warning lights
- Compact cabinet
- Incoloy™ immersion heater with IEC contactor
- Motor circuit protector
- 3/4" water supply, 1.5" process connections, valve size matches drain size
- 1.5" casters
- 150 psi (10.2 bar) pressure relief valve
- Independent high temperature safety thermostat
- Adjustable low supply water pressure switch, factory set at 16 psig (1.1 bar)
- 3/4 hp through 7.5 hp cast iron process pumps with SICB/carbon mechanical seals
- Automatic vent sequence
- 1 year warranty on parts and labor at the factory
- 3 year warranty on controller

Options

- 12 kW heater
- 300°F operation; includes silicon carbide seal (requires 55 psi minimum water supply pressure)
- Manual bypass
- Pressure regulator/relief valve for water supply, shipped loose
- Pressure gauges (shipped loose)
- Y-strainer
- Hammer arrestor
- Quick cool switch
- 1/2" and 3/4" cooling solenoid slow-closing valve
- Auto system water purge (mold purge), shipped loose
- General fault audible/visual alarm
- Remote start/stop
- Communications – RS232, RS485, RS485 SPI*
- Ten foot power cord; no plug, shipped loose
- Rotary through-the-door disconnect switch
- UL/cUL-listed subpanel

*RS485SPI requires a different controller

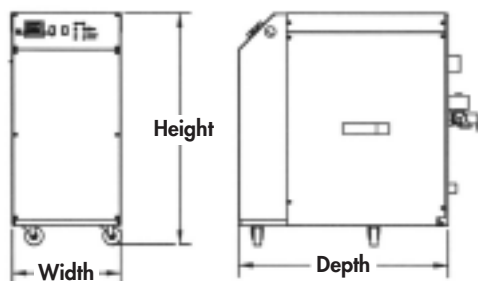
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Water Temperature Control Units

SPECIFICATIONS

Pump, HP (kW)	Flow, gpm (lpm)	Pressure, psig (bar)	FLA, 9 kW @ 460/3/60	FLA, 12 kW @ 460/3/60	Height, in. (mm)	Width, in. (mm)	Depth, in. (mm)	Ship. weight, lbs. (kg)
0.75 (0.56)	30 (114)	25 (1.7)	12.7	16.5	25 (635)	12.25 (311)	26 (660)	210 (95)
1 (0.75)	35 (132)	30 (2.0)	13.1	16.9	25 (635)	12.25 (311)	26 (660)	210 (95)
2 (1.49)	50 (189)	30 (2.0)	14.7	18.5	25 (635)	12.25 (311)	26 (660)	210 (95)
3 (2.24)	60 (227)	40 (2.7)	16.1	19.9	25 (635)	12.25 (311)	26 (660)	210 (95)
5 (3.73)	75 (284)	54 (3.7)	18.9	22.7	25 (635)	12.25 (311)	26 (660)	240 (109)
7.5 (5.6)	90 (341)	63 (4.3)	22.3	26.1	25 (635)	12.25 (311)	26 (660)	240 (109)

DIMENSIONS



PART NUMBERING SCHEME

SEU - - - - -

- C - 3/4 hp
- D - 1 hp
- F - 2 hp
- G - 3 hp
- H - 5 hp
- J - 7.5 hp

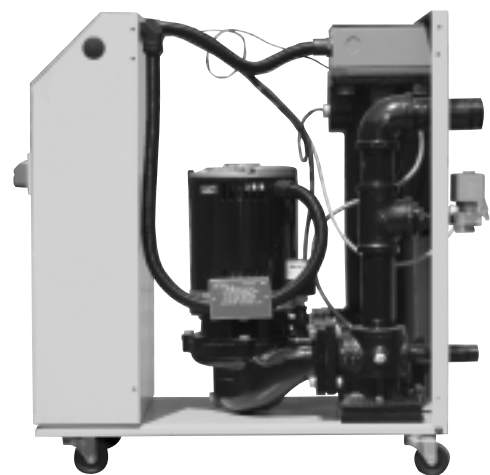
- 9 - 9 kW
- 12 - 12 kW

- 1 - 208/3/60 VAC
- 2 - 230/3/60 VAC
- 3 - 400/3/50 VAC
- 4 - 460/3/60 VAC
- 5 - 575/3/60 VAC
- 6 - 200/3/50 VAC

- 2 - 250°F
- 3 - 300°F

- MB - Manual bypass
- PR - Pressure regulator
- YS - Y-Strainer
- QC - Quick cool switch
- AP - Auto system water purge
- AV - Audible/visual alarm
- RS - Remote start/stop
- R2 - RS232 communications
- R4 - RS485 communications

- RP- RS485-SPI communications
- DS- Disconnect switch
- PC- Power cord
- RC- Remote controller
- UL - UL/CUL listed subpanel
- RF- Rubber feet in lieu of casters
- PG- Pressure gauges
- HA- Hammer arrestor



Example:

SEU-C-9-4-2-AV-QC: Econo with 3/4 hp pump, 9 kW heater, 460 VAC, 250°F maximum operating temperature, audible/visual alarm, and quick cool switch

