

2016U SERIES



High Temperature Heat Transfer System

EASY OPERATION WITH PRECISE, AUTOMATIC TEMPERATURE CONTROL

It's a genuine Sterling...built for the long run with everything you could ask for in a High Temperature Control System: precise, automatic temperature control, built-in reliability and easy operation. Designed for temperatures up to 550°F, the 2016U Series High Temperature units include operator-friendly features such as single-pass tank design and an easy-to-use controller for simple, precise operation.

You get the performance you need and the reliability you expect from Sterling—the leading choice in temperature control.



Features

- M2B+ microprocessor controller includes diagnostics features with indicator and warning lights
- Positive displacement pump capable of reversing to evacuate the process
- Easily removable panels for quick access to internal components
- Dual stage immersion heater with IEC contactors
- Pressure switch for low pump pressure shutdown
- NEMA 12 electrical enclosure
- Manual bypass
- Autovent sequence
- UL listed subpanel
- Pressure-activated bypass valve
- To Process pressure gauge
- System status graphic display
- 550°F (288°C) maximum operating temperature
- Branch fusing
- Non-fused lockable rotary disconnect
- Independent safety thermostat
- Y-strainer on From Process line
- Audible alarm
- Low level alarm
- 1 year parts and labor warranty at the factory
- 5 year controller warranty

Options

- Drain valve; to drain unit
- Hour meter; for pump run time
- Analog flow gauge
- General fault visual alarm
- High tank level alarm
- Deduct for manual vent sequence in lieu of autovent sequence
- Deduct for low level alarm
- Deduct for manual bypass
- M2B+ controller options include: 4-20 mA remote set point and retransmission of PV; SPI protocol, RS-485; General protocols, types RS-232, RS-485; Ethernet IP via Modbus RTU; Remote sensor with 6 ft. cable
- U-tube type heat exchangers
- Remote controller enclosure includes 20 ft. cable
- Lexan® Cover
- Operating voltages: 208/3/60; 230/3/60; 380/3/50; 415/3/50; 575/3/60
- CE certification
- Oil filtration cart package with one (1) 50 micron filter
- SterlTherm heat transfer fluid:
 - 5 gallons; P/N 692.82680.01
 - 55 gallons; P/N 692.82680.03
- SterlFlush flushing fluid:
 - 5 gallons; P/N 692.82680.02;
 - 55 gallons; P/N 692.82680.04

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SPECIFICATIONS

Model		2016U-xx				2026U-xx			
		1 hp	1.5 hp	2 hp	3 hp	1 hp	1.5 hp	2 hp	3 hp
Full Load Amps, 460/3/60 VAC	12 kW heater	17	18	19	20	34	36	38	40
	18 kW heater	25	26	27	28	50	52	54	56
	24 kW heater	32	33	34	35	64	66	68	70
	36 kW heater	47	48	49	50	94	96	98	100
	48 kW heater	62	63	64	65	124	126	128	130
Reservoir Capacity (gal)		17 gallons each zone							
TEFC Pump	HP (kW)	1 (0.75)	1.5 (1.1)	2 (1.5)	3 (2.2)	1 (0.75)	1.5 (1.1)	2 (1.5)	3 (2.2)
	Flow, gpm (lpm)	18 (68)		24 (91)	50 (227)	18 (68)		24 (91)	50 (227)
	Pressure, psig (bar)	30 (2.0)	50 (3.4)	30/50 (2.0/5.4)	50 (5.4)	30 (2.0)	50 (3.4)	30/50 (2.0/5.4)	50 (5.4)
	Connection Size, in.	1"			1.5"	1"			1.5"
Dimensions	Height, in.	62 (1,575)							
	Width, in.	24 (610)				48 (1,220)			
	Depth, in.	34 (864) ≤ 24 kW 44 (1,118) > 24 kW							
Shipping Weight, lbs. (kg)	≤ 24 kW	700			850	1400			1700
	> 24 kW	950			1050	1900			2100

