

# STAINLESS STEEL GAS HEATING SYSTEM INSTRUCTION MANUAL

MODEL NO: SGH1-3000-F-A SERIAL NO:: USA-SG0717-5



07/12/17



CUSTOMER P.O. No.:

## QUALITY CONTROL SHEET GAS HEATER

D22010/15635

DATE:

JOB ORDER NO.:	21705224	CUSTOMER:	SPS EUROPE					
MODEL NO.:	SGH1-3000-F-A	SERIAL NO.:	USA-SG0717-5					
MODEL DESCRIPT	ION: IN-LINE GAS HTR, 3	16L, 3000W/24	10VAC/1-PH					
I. <u>HEATER BOX</u>								
HEATER;	VOLTS: 240 VAC	AN	MPS: AMP (MAX)					
	WATTS:WATTS	OH	IMS: $/$ 9/ $\Omega$					
	PROCESS T/C:							
	THERMAL CUT-OFF:							
	FLOW SWITCH: N/A							
	FILTER: NA							
II. CONTROL BOX								
TEMPERATU	JRE MONITOR: N/A							
HI-LIMIT CONTROL:								
III. PACKING CHE	CCKLIST							
LABELS: 🧾	PACKAGED BY:	H.C IN	SPECTOR:					
DRAWINGS	& INSTRUCTION:	J DA	ATE:					
SHIP TO:	SPS EUROPE							



#### **EQUIPMENT SPECIFICATIONS**

THIS EQUIPMENT MUST ONLY BE USED WITHIN THE RANGE OF ENVIRONMENTAL CONDITIONS LISTED IN THE EQUIPMENT SPECIFICATIONS

Model No.: SGH1-3000-F-A

Serial No.: USA-SG0717-5

Description: IN-LINE GAS HTR, 316L, 3000W/240VAC/1-PH

Voltage:

240VAC +/-10%

Hertz:

50/60HZ

Number of phases:

1-PH

Current per phase:

13 AMPS (16 AMPS, 25% SAFETY)

Operational usage:

INDOOR USE ONLY

Maximum operating pressure:

60PSI @ 200°C.

Maximum fluid temperature:

240°C.

Temperature resolution:

+/-1°C.

Maximum operating altitude:

6,600feet(2,000meters)

Ambient temperature range:

 $5^{\circ}$ C. ~  $40^{\circ}$ C.(operating)  $-40^{\circ}$ C. ~  $60^{\circ}$ C.(storage)

Maximum relative humidity:

80% up to 31°C.

76.7% @ 32°C.

73.3% @ 33°C.

70.0% @ 34°C.

66.7% @ 35°C.

63.3% @ 36°C.

60.0% @ 37°C.

56.7% @ 38°C.

50.7 70 @ 50 C.

53.3% @ 39°C.

50.0% @ 40°C. and above

Air Inlet:1/2" TUBE

Air outlet: 1/2" TUBE

Regulated Operating Pressure:

60PSIG (MAX.)

Heater Dim.  $(H \times W \times D)$ :

12.75" x 6.93" x 3.75"

7 lbs.

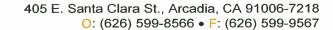
Control Box Dim. (H x W x D): N/A

N/A

Weight: N/A lbs.

Weight:

THIS EQUIPMENT MUST ONLY BE USED WITH THE SAFETY COMPONENTS (TEMPERATURE CONTROLLER, LEVEL CONTROLLER, HI-LIMIT CONTROLLER, ETC.) THAT ARE APPROVED TO EIC/EN STANDARDS.





Model No.:

SGH1-3000-F-A

Drawing No.:

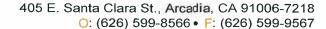
SGH1300FA-R03 SHEET 1 OF 1

Temperature and flow specs;

**216°**C. @ **1**SCFM MAX.

Temperature Control Tolerance: +/- 3°C.

<sup>\*</sup> Damage may occur if this setting is increased.





## STAINLESS STEEL GAS HEATER OPERATING INSTRUCTIONS

## **DANGER:**

AIRFLOW SHOULD BE MAINTAINED FOR AT LEAST 2 MINUTES AFTER THE HEATER HAS BEEN TURNED OFF. THIS PREVENTS DAMAGE TO THE HEATER FROM OVER HEAT. FAILURE TO CONFORM TO THIS WARNING WILL CAUSE SEVERE DAMAGE. HEATEFLEX CORPORATION ASSUMES NO RISK FOR NONCOMPLIANCE. HEATEFLEX CORPORATION DOES NOT WARRANTY ANY HEATEFLEX EQUIPMENT THAT DOES NOT USE HEATEFLEX'S INTERLOCK SAFETY EQUIPMENT.



## <u>Spare Parts</u> <u>Model No. SGH1-3000-F-A</u>

ITEM NO.	QTY.	PART NO.	<b>DESCRIPTION</b>
1.	1	AM2592	Gas Heater, SS316, 240VAC, 3000W.
2.	1	ATF010	Thermal Fuse Assy., 216°C.
3.	1	306263	Thermocouple Assy., Type "J".
4.	1	307130	Clamp, Sanitary Fitting, 2-1/2".
5.	1	307131	Gasket, Viton, TRC, 2-1/2".



January 03, 2017

### HEATEFLEX CORPORATION'S MATERIAL WARRANTY

Heateflex Corporation warranties the equipment offered to be free from defects in material and workmanship, under normal handling and proper usage, for a period of one year from the date of shipment. All products purchased from manufacturers by Heateflex Corporation will carry that manufacturer's warranty period. This expressed warranty is in lieu of, and excludes all other representations made by advertisements or by agents. There are no implied warranties for the equipment.

Heateflex Corporation agrees to correct any defect in workmanship or material which may develop under normal handling and proper usage during a period of one year from the date of shipment or, by its option, to repair or replace the defective equipment F.O.B. Arcadia, California, USA. Purchaser's remedies shall be limited exclusively to the right of repair or replacement. Heateflex Corporation shall not be liable for any expenses incurred by the purchaser or any other person by reason of the use, misuse, sale, or fabrication of the equipment regardless of whether the equipment conforms to the specifications.

Items returned for warranty repair must be prepaid and insured for shipment. Warranty claims are processed on the condition that prompt notification of a defect is given within the warranty period. Heateflex Corporation shall have the sole right to determine whether, in fact, a warranty situation exists.