

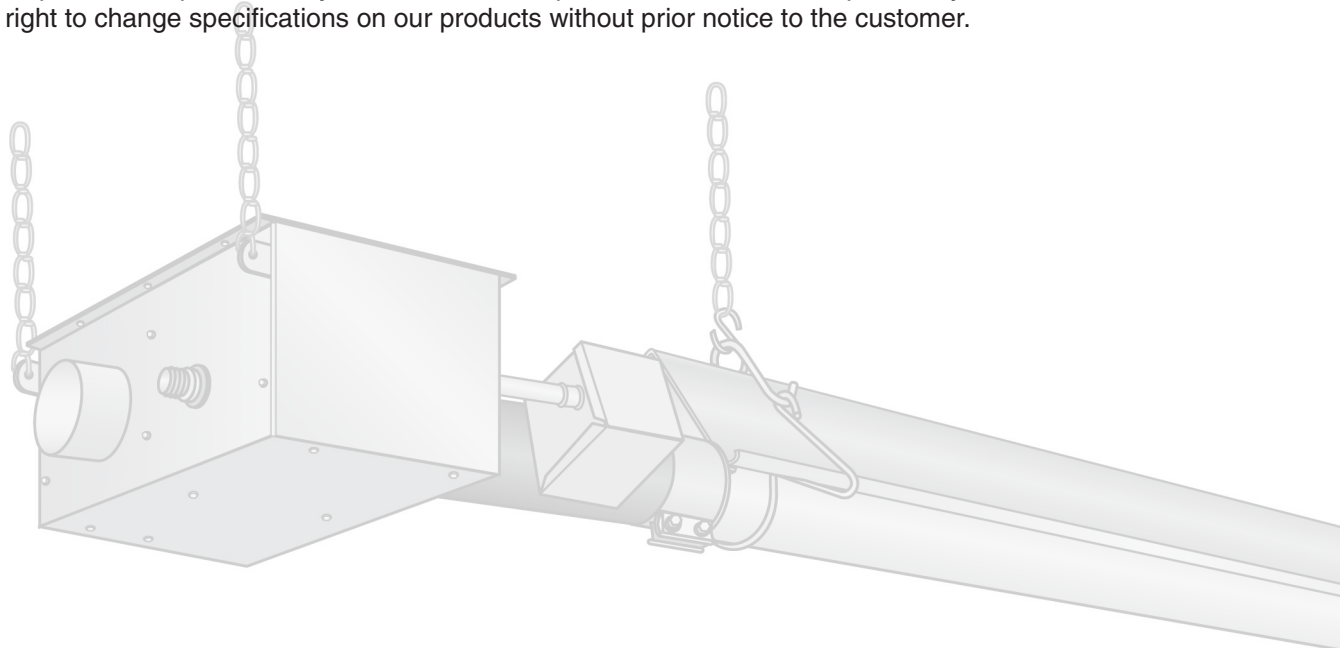
Agricultural Series Packing List

Heaters & Accessories

Effective 09-01-16

mm-dd-yy

All orders are subject to acceptance by Brant Radiant Heaters Limited, Paris, Ontario at prices in effect at date of shipment. All prices are F.O.B. Paris, Ontario. All Province, Federal, or Municipal taxes in effect at the time of shipment or imposed at any future time on our products shall be the responsibility of the customer. We reserve the right to change specifications on our products without prior notice to the customer.



Gas-Fired, Low Intensity, Infrared Tube Brooders

15% restocking charge on returned items, within 30 days from day of sale.

34 Scott Ave., Paris, Ontario N3L 3R1
Phone: 519-442-7823 • Fax: 519-442-7321
www.brantradiant.com

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The following key symbols (found within) designate the following:

SYMBOL	DESCRIPTION
<u>Underlined Item</u>	New item or price, from prior accessory guide, or heater price sheet.
Part No. in BOLD	An item that has further technical information available, ex.: spec sheet, instructions, etc.

NOTE: Add-ons must be ordered as a separate line item and tagged to the appropriate heater.

BULK PACK ORDERS Please TAG: Job xxxxx on purchase order to help us be made aware that an order can be bulk packed to destination. 10' skid, charge \$35.00 available on request.

AGRICULTURAL HEATER LIST PRICES

Premium Agricultral Heaters

SERIES	20 FT.	30 FT.	40 FT. (A)	40 FT. (T)	50 FT. (A)	50 FT. (T)
AG2						
AG1						

40 & 50 ft. **(A)** models represent BTU ranges of 50,000 to 125,000. 40 & 50 ft. **(T)** models represent BTU inputs of 150,000.

AVAILABLE MODELS

MODEL	FT-BTU-GAS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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ADD-ON / UPGRADE ITEMS

PART NO.	DESCRIPTION	Quantity	PART NO.	DESCRIPTION	Quantity
24-VAO	24V controls for single stage series heaters. Internal relay and transformer for ease of operation to a stand-alone unit.		5EA-SUB	This option will substitute one 10' piece of 4" dia. radiant tubing & reflector with two 5' pieces. One clamp and one hanger is included. This is ideal for making "U" heaters from 30', 50' & 70' models. Maximum one 5EA-SUB per heater. This is an add-on option only. Call for availability for 10' models.	
24-VAOX	Internal relay and not included separate external transformer (HL-T) required for multiple units to be controlled on one stat.				
HLRB	Optional internal relay for AG2 Series heaters. See page 7 for details. (TP-825) - for replacement parts ordering.				

PIPE SUBSTITUTION OPTIONS

PART NO.	DESCRIPTION	Quantity	PART NO.	DESCRIPTION	Quantity
AP-APP-SUB	Substitute coated alum. combustion chamber for uncoated alum.		AP-CRS-SUB	Substitute coated alum. radiant emitter for plain cold rolled steel.	

AVAILABLE OPTIONS

MODEL	SILSEAL	PC-36	24VAO	HLRB / HLRP	5EA-SUB	ALUM-AO	SSCBAO	SSTAO	SSTAO-5	SSRAO	SSRAO-5	SSTRAO	SSTRAO-5	SSC-##	SSB-##	SSE-SS	CWO	EWO	VPWO
AG2	S	S	S	O	O	S	O	O	O	O	O	O	O	O	O	O	O	O	N
AG1	S	S	O	N	O	S	O	O	O	O	O	O	O	O	O	O	O	O	N

OPTIONS KEY

O	Option Available.
N	Option Not Available.
S	Standard Feature.
X	Available in BTU Range of 75,000-150,000 Only.

Shipping / Boxing:

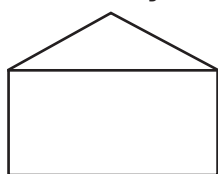
All models are shipped with 1) 30 in. Type 1 Rubber Hose (RH-1/2 or RH-3/4) and reflector center supports (TP-82) for each 10 ft. section. All hangers (TP-19B) are included for 10 ft. center mounts clamps are located directly on pipes(TP-21B). Also a pair of End Cap Reflectors with clips and a user manual.

Information Data Sheet

Agriculture Building Survey

Floor Plan: (Include dimensions and location of all feed lines, water lines, lights and baffles)

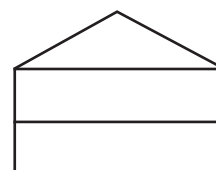
House Style - End View:



☐ Drop Ceiling

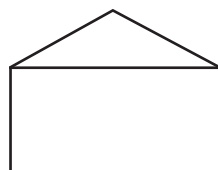


☐ Open Truss

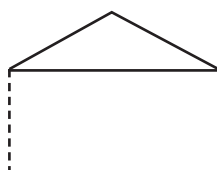


☐ Double Decker

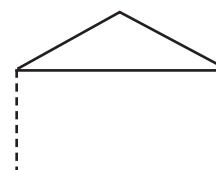
House Style - Side Walls:



☐ Solid Side
x2 Solid Walls

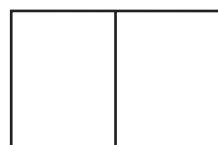


☐ Curtain Side
x2 Curtain
Walls



☐ Combination
x1 Solid
x1 Curtain

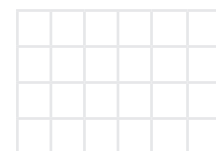
Brooding - Top View:



☐ Half House
Brooding



☐ Third House
Brooding



☐ Other
Brooding Style
(Draw In)

Building Details:

House Dimensions:

House Length: _____

House Width: _____

Center House Height: _____

Side Wall Height: _____

Mechanical System:

Quantity of Feeders: _____

Quantity of Drinkers: _____

Existing Heating System:


Type of Heaters (Circle One):


Hot Air / Radiant / Other

Input of Heater(s): _____





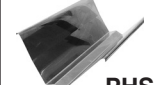

Quantity of Heater(s): _____


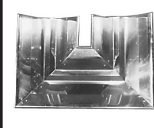

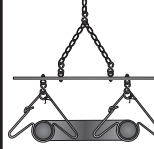
EXTENSION ACCESSORIES

PART NO.	DESCRIPTION	Quantity
 10EA	10 ft. heater extension assembly pack includes ten foot, 4" diameter, 16 gauge, aluminized steel tube with high temperature black coating, ten foot reflector, 4" reflector center support, 4" tube clamp and one 4" hanger.	
20EA	2) 10EAs in one box.	
30EA	3) 10EAs in one box.	
TR-60	5 ft. heater extension assembly. See 10EA for contents and specs. No reflector center support hanger.	
TR-C	Titanium Extension Assembly, ten foot titanium tube ten foot reflector, 4" reflector center support, 4" S.S tube clamp and one 4" hanger.	
A20H	(1) 10EA and (1) TR-C in one box.	
A30H	(2) 10EA and (1) TR-C in one box.	

PART NO.	DESCRIPTION	Quantity
 10HRE	10 ft. heater extension assembly pack includes ten foot, 4" diameter, 16 gauge, hot rolled steel tube with blackened appearance, ten foot reflector, 4" reflector center support, 4" tube clamp and one 4" hanger.	
20HRE	2) 10HREs in one box.	
30HRE	3) 10HREs in one box.	
HRE-60	5ft. heater extension assembly. See 10HRE for contents and specs. No reflector center support hanger.	
R20L	(1) 10EA and (1) 10HRE in one box.	
R30L	(1) 10EA and (2) 10HRE in one box.	
R30H	(1) 10EA, (1) TR-C and (1) 10HRE in one box.	
3" Kits	Consult Factory	






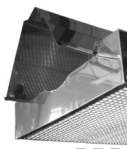
MISCELLANEOUS HARDWARE ACCESSORIES 4-INCH TUBE MODELS


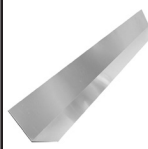
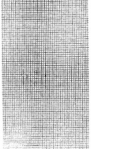
PART NO.	DESCRIPTION	Quantity
 E6	Elbow - 6" radius, 90° bend, 4" diameter 16 gauge aluminized steel with black coating, one tube clamp, one hanger. Consult IOM for minimum distance from burner. Sq. dimension 15" x 15."	
 RE	Reflector Elbow - 90° bend, with polished, one side bright reflector elbow, 2 reflector brackets and screws. Designed to fit atop one elbow (not included). Sq. dimension 27" x 27." Field assembly required.	
 REP	Reflector and elbow package - One RE and one E6. Consult IOM for minimum distance to burner. No end caps or clips included.	
 45E	45° elbow assembly 4-1/2" radius, 16 gauge aluminized steel with high temperature black coating. 4" diameter, one tube clamp, one hanger. Consult IOM for minimum distance from burner.	
 PHS	Protective Heat Shield. For use on 0° mounted reflectors only. 30" x 12" 304 grade stainless steel. For attachment below reflector in heat sensitive areas.	
 SSE	62" long x 10-1/2" wide. Side shield extension polished one side bright, used to direct infrared rays downward - away from sidewalls and combustibles with two 0° mounting brackets, 8 screws and 2 brackets. NOTE: Two (2) SSE required to span each 10-ft reflector section. Maintain published clearances when using this accessory.	

PART NO.	DESCRIPTION	Quantity
 TF1B	180° bend (U) shaped fitting, used to make a U shaped configuration. 16 gauge aluminized steel, 4" dia. fitting, with high temperature black coating. Also included: 1 tube clamp, 1 wire hanger, 1 center support hanger, 1 SMB. Adds 14" to overall unit length, center to center 16". Consult Manual for minimum distance from burner.	
 RU	Reflector "U" to cover a TF1B "U" fitting (not included). 180° bend "U" reflector for attachment to standard reflectors covering the end of a "U" configuration. Polished, one side bright aluminum, 4 reflector brackets and screws. Reflectors cannot be rotated after installation of this accessory.	
 RUP	Reflector and "U" bend package - One TF1B and one RU. Consult Manual for minimum distance to burner.	
 SMB	Single mount bracket for use on U-shaped configured heaters. Bracket allows installation from one suspension point, as opposed to two. Bracket also assures uniform spacing between opposing tubes. See chart below for quantity needed. Included: (1) Single mount bracket (2) Eye bolt NOTE: Two (2) THCS required to mount burner control box.	
REQUIRED SINGLE MOUNT BRACKET (SMB) PER HEATER		
Model Length	10'	20'
w/TF1B ("U")	N/A	2
	30'	40'
	3	4
	50'	60'
	4	5
	70'	80'
	5	5



* Model requires 5EA-SUB accessory package when installing in a U-shaped configuration.



MISCELLANEOUS HARDWARE ACCESSORIES

PART NO.	DESCRIPTION	Quantity
 THGH10	Gripple tube heater hanging cables. 10 foot length of looped cable with a locking fastener per assembly. Working load limit of 100 lbs. with 5:1 load safety ratio.	
 THCS	Five foot chain set with 2 "S" hooks used for hanging heater. Bulldog coil chain, trade size #1, wire gauge 12, and a working load limit of 155 lbs. each.	
 RVA-CS	8" Chain mounting set with 2 - "S" hook, 1 - chain, and 1 - 3" open eye screw to secure to structure. 12" structure spacing.	
REQUIRED CHAIN SETS PER HEATER (FOR 10' CENTERS)		
Model Length	10'	15-20'
STRAIGHT*	4	5
w/TF1B ("U")	N/A	6
 S-HOOK	*Straight refers to models in a straight configuration (10' centers). THCS for HLV series: Three (3) per burner box; one (1) for each 10ft. tube section.	
 BK	"Brass Knuckles." Reflector mounting bracket that allows for mounting the reflector on specified angles. Attaches to TP19B wire hanger. Preset bends allow for a 15, 30, or 45 degree mounting angle. See chart below for quantity needed. BK attaches to standard hangers.	
REQUIRED BK FITTINGS PER HEATER		
Model Length	10'	20'
STRAIGHT*	2	3
w/TF1B ("U")	3	4
 BRDG	Decorative Grill designed to encase radiant tubes. Attaches to reflector - use side clearance data. Mounts at 0-45 degrees. Finished in a highly polished aluminum casing and eggcrate bottom surface. 60" x 18" x 4.5". Field assembly required. Use DCSP chart for quantity required. Not for 'U' tubes.	


PART NO.	DESCRIPTION	Quantity
 PG	Protective guard. Designed to attach to standard reflector. 5' long x 13-1/4" wide with 1-1/4" slots. Galvanized wire with slip-on style mounting channels. Typically used to prevent debris or objects from becoming lodged between radiant tube and reflector. Should be used when mounting heaters below 8 ft.	
REQUIRED GUARDS PER HEATER		
Model Length	10'	20'
STRAIGHT*	2	4
w/TF1B ("U")	N/A	4
 DCSP	Drop ceiling side panels. Polished one side bright. Used to direct infrared rays away from ceiling tiles. 62" in length, mounts with 2 zip screws to the heaters reflector. Shipped in sets of 2 pieces.	
REQUIRED BR-CRP PER HEATER (SETS)		
Model Length	10'	20'
STRAIGHT	2	4
 EC	Aluminum Egg Crate - 24" x 48". Designed to fit into a standard 2' x 4' ceiling tile opening. Crate has 1/2" x 1/2" openings and is 1/2" thick. Mounts 1-1/2" below the bottom of the tube. See chart below for quantity needed. Used in conjunction with DCSP (see above).	
REQUIRED ALUMINUM EGG CRATES PER HEATER		
Model Length	10'	20'
STRAIGHT	3	6


OTHER ACCESSORIES

PART NO.	DESCRIPTION	Quantity
 GC-50	CSA Design Certified ball valve, 2 PSI maximum pressure, 1/2" x 1/2" FPT, with 1/8" NPT side pressure tap.	
 BR-SIGN	Clearance Safety Limit Sign. 8.5" x 11". Sign is designed to be hung or adhere at clearance to combustibles limit. Repeats clearance warnings.	




PART NO.	DESCRIPTION	Quantity
 RH-1	30 in. (1/2" I.D.) rubber hose connector for low intensity heaters applied in Canada (25 - 125 MBH).	
 RH-3	30 in. (3/4" I.D.) rubber hose connector for low intensity heaters applied in Canada (150 - 200 MBH).	

AIR COMPONENTS

PART NO.	DESCRIPTION	Quantity
 WIV-4	Wall inlet cap, 4" O.D. with bird screen. For use with outside air option. Bird screen insures open air flow to unit. Used for 0-20' of 4" intake.(Common on all models)	

PART NO.	DESCRIPTION	Quantity
 AIRH	4" flexible air inlet rubber hose with DWV adapter affixed. Mates to 4" DWV pipe. Clear color for visibility. Includes 4" DWV adapter and worm clamp. 18" in length.	







CURRENT SINGLE STAGE THERMOSTATS





PART NO.	DESCRIPTION	Quantity	PART NO.	DESCRIPTION	Quantity
 WR-S	White Rogers thermostat. 4.4° to 26.6°C range. White plastic cover, 24-277 VAC, 22.0 amps. May be used to switch either 24V or 120V. Consult amp rating unit for proper sizing.		 TH-PSPLV	LuxPro 120V programmable line voltage thermostat. No relay transformer required. 5/2-day(4-period) operation. 45°-90°F range. Single stage operation, 16 Amp @ 120V (3 tube heaters max.) single pull. Features include °C/°F display, easy programming, timers, wall plate included and more. 120V only.	
 TH-115	Thermostat with rain tight enclosure and 40° to 100°F range. Rugged weatherproof control for use in agricultural, industrial and commercial environments with heavy moisture atmospheres. 16.0 FLA, 25.0 amps resistive at 120V. Watertight NEMA 4X when used with watertight connections (24, 120 or 220V). Consult amp rating of unit for proper sizing.				





TWO-STAGE CONTROLS

Hi-Low Relay Panels / Boards




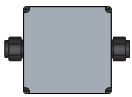
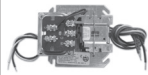
Relay panels or boards must be used anytime two or more HL2, HL3, or AG2, heaters are operating on the same thermostat (or common vented). Relay boards (HLRB/HLRP) are (at the time of production) internally mounted into the burner box. This must be specified at the time of order. One board is needed per heater. An external transformer is needed to power the control. Relay Boards (HLRB/HLRP) are preferred over panels. **Specify the HLRP for HL3 models only.**

HLRB in burner box	HLRP in burner box	2 boards inside NEMA (1) box	4 boards inside NEMA (1) box	6 boards inside NEMA (1) box	10 boards inside NEMA (1) box
 HLRB	 HLRP	 HLPNL-2	 HLPNL-4	 HLPNL-6	 HLPNL-10
NOTE: When placing an order, be sure to specify which models will receive the HLRB/P. Replacement parts order TP-825/1325.					







PART NO.	DESCRIPTION	Quantity
 ET5MS	Columbus Electric two-stage, double throw, low or line voltage thermostat. 50°F to 90°F range (24V-120V). Non-adjustable, preset 2° high/low fire differential. UL Listed and CSA Certified.	
 TH-BRTS	Braeburn non-programmable 24V two-stage heat/1 cool thermostat. 1 Amp per terminal (3 Amp max. load) allows operation of up to 8 two-stage heaters w/ HLRB/HLRP boards and transformer. 45° to 90°F (7°-32°C) heat/cool range. Operates on either constant 24VAC or two (2) AA alkaline batteries. Digital display, adjustable differential.	
 TH-BR52	Braeburn two-stage or single-stage control with flexible programming for residential and commercial applications. 7 Day, 5-2 Day or Non-Programmable. 45°-90°F control range. Indoor or outdoor remote sensing capable. Multi-Level keypad lockout. Bright blue backlight. Hardwire or battery powered. Meets California Title 24 guidelines.	
 RS-BR53	Indoor sensor for use with TH-BR52 thermostat. Mounts up to 200 ft. away. Sense range of 40°-99°F depending on thermostat. Contemporary design for any decor.	

PART NO.	DESCRIPTION	Quantity
 TH-109	Two-stage t-stat with rain tight enclosure. 40° to 100°F range. Rugged weatherproof control for use in agricultural, industrial, and commercial environments with heavy moisture atmospheres. Consult amp rating of unit for proper sizing. 24, 120, 208, 240 and 277 VAC.	
 PSP-722	Lux Pro programmable thermostat with large lighted one touch display. Operates on millivolt, 24V or two AA alkaline batteries. 2 or 4 selectable periods per day and vacation hold. 40°-90°F range. 2 amps at 24V AC. (20 heaters w/HLRP and 4000-01V). Single or dual stage operation. Adjustable temperature differential (.25-2.25). Features include °C/°F display, easy programming, vacation and timers.	
 RS-BR54	Outdoor sensor for use with TH-BR52 thermostat. Mounts outdoors up to 200 ft. away. Sense range capability of -40°-99°F depending on thermostat. Contemporary design for any decor. NOTE: Cannot be used in place of the indoor sensor.	
 RS-BR53BB	2 pc. black box to house the RS-BR53. Use for radiant sensing applications.	

ELECTRICAL COMPONENTS AND MISCELLANEOUS CONTROL DEVICES

PART NO.	DESCRIPTION	Quantity	PART NO.	DESCRIPTION	Quantity
 4000-01V	40 VA transformer 120-24V. AC primary & secondary. Mounted on 4 x 4 base plate. Can be used for all 24V heaters or controls manufactured or provided by Detroit Radiant Products.		 ERK	The External Relay Kit accessory can be used on HL3, HL2, LS3 & LD3 models that require multiple heaters on one thermostat. This can mount on or near the heater. One ERK is needed per heater. Used in standard environments.	
 WEP-TS	Weatherproof enclosure package with 4-hour timer and on-off control. Ideal for use in outdoor heating applications where timer control is desired. Package for two-stage scenarios. Can operate up to 120V-20 amp. Can also be used for 24V switching. Field assembly and wiring required.		 ERK-HE	Similar to ERK but utilizes a very rugged Nema 6P rated enclosure for use in wet and corrosive environments.	
			 R8285B	Combination relay transformer, dual pole 15 resistive amps each pole. For controlling 120V units with 24V thermostats. 120V power in, 24V power out. For DX/DES3 24V control option.	

ADVANCED CONTROL OPTIONS

PART NO.	DESCRIPTION	Quantity	PART NO.	DESCRIPTION	Quantity
 RS-ODS	Remote 1097 ohm outdoor air temperature sensor for use with TH-HWC2 (probe mounted in weather-proof case).		 PCOXs-RS	Deluxe wall mount 24V remote temperature sensor. 14°F to 158°F temperature range. Delivers a 4-20mA signal to controller up to 300 ft. 10Kohm.	
 RS-SIS	Remote 1097 ohm indoor air temperature sensor (probe only). For use with TH-HWC2.		 PCOXs-ODRS	Outdoor deluxe wall mount 24V remote temperature sensor. 14°F to 158°F temperature range. Delivers a 4-20mA signal to controller up to 300 ft. 10Kohm. *Works with THBR-52 in wet locations.	
 RS-WRS	Wall mount remote 1097 OHM air sensor for use with TH-HWC2 (probe mounted in case).		 BBS-AO	Black bulb sensor add-on. Upgrade remote sensor to be enclosed in a black bulb for jobs that require radiant temperature sensing inside a black bulb. This is compatible with controls that have temperature probes that can fit inside of the bulb casing. Contact factory for guidance.	

STAINLESS STEEL ADD-ON OPTIONS & UPGRADES

PART NO.	DESCRIPTION	LIST \$						
SSTAO	Stainless steel tube add-on upgrades existing radiant exchangers from titanium/ aluminized to 16 ga., 304 grade stainless steel tubes. HL2, DX2, HL3, DX3, AG1 & AG2 only. One needed per 10 ft. of tube. Sold as an add-on to an order.							
SSTAO-5	Upgrade a 5 ft. aluminized tube to 304 grade stainless steel.							
SSRAO	Specifying the stainless steel reflector add-on to your order upgrades the existing .025", aluminum reflectors to highly polished, 304 grade stainless steel reflectors. Only sold as an add-on to an order. One SSRAO is needed per 10 ft. of reflector. For use on all models.							
SSRAO-5	Upgrade a 5 ft. aluminized reflector to 304 grade stainless steel.							
SSTRAO	Stainless steel tube & reflector add-on upgrades existing tubes and reflectors to stainless steel. Sold as an add-on and must be specified at the time of order. HL2, DX2, HL3, DX3, AG2 & AG1 Series only.							
SSTRAO-5	Upgrade a 5 ft. aluminized tube & reflector to 304 grade stainless steel.							
SSREC	(2) Stainless steel Reflector end caps.							
REQUIRED STAINLESS STEEL ADD-ONS PER HEATER								
MODEL	10 Ft.	20 Ft.	30 Ft.	40 Ft.	50 Ft.	60 Ft.	70 Ft.	80 Ft.
STRAIGHT	1	2	3	4	5	6	7	8

PART NO.		DESCRIPTION					LIST \$	
SSCBAO		Upgrade control box housing to 304 grade stainless steel. Control box is silicone sealed, PC-36 added and electrical attachments are water-tight connections (i.e. T-Stat wire, power connection) For HL2, DX2, AG2, AG1models only.						
SSTAO-16		16 in. tube is upgraded to stainless without purchase of tube add-ons. For HL2, DX2, AG2, AG1 models only.						
SSC-##		Stainless steel tube clamps. Upgrade standard 4 in. galvanized steel tube clamps to 304 grade stainless steel.					\$ _____ See below	
-10 N/A	-20	-30	-40	-50	-60	-70	-80	
SSB-##		Stainless steel mounting brackets. Upgrade standard galvanized steel 4 in. wire hanger (TP-19B) and 4 in. RCS (TP-82) to stainless steel. Prices shown below are per heater. (BR-4HGR/SS) (BR-4IH/SS)					\$ _____ See below	
-10 N/A	-20	-30	-40	-50	-60	-70	-80	
TP-19C		Stainless steel 4 in. wire hangers.						
TP-829		Stainless steel 4 in. reflector center support						

IMPORTANT NOTES

- SSCBAO is only available for the HL2, DX2, CL and CX Series.
- Upgrading tubes (SSTAO or SSTRAO) is available for HL2, DX2, HL3,DX3, SE2, ST2 AG2, and AG2 series only. **Only available on 75,000 -150,000 BTU/H**
- Upgrading reflectors (SSRAO) is available for all models.












When placing orders, please specify which heaters are to be upgraded.

STAINLESS STEEL ACCESSORIES





PART NO.	DESCRIPTION	Quantity
TP-26D	304 grade stainless steel radiant tube. 16 gauge, 4 in. x 10 ft., high temperature black coated.	
TP-26E	409 stainless steel combustion tube. 16 gauge, 4 in. x 10 ft., high temperature black coated. (Limited stock)	
SSR	120 in. 304 grade, polished stainless steel reflector.	
SST-60	60 in. 304 grade stainless steel tube. 16 gauge, stainless steel. High temperature black coated.	
5EA-SUB-SS	This option will substitute one 10' piece of radiant tubing & reflector with two 5' pieces. One clamp and one hanger is included (4" accessories pending model # with 5EA-SUB-SS). This is ideal for making "U" heaters from 30', 50' & 70' models. Maximum one 5EA-SUB-SS per heater. This is an add-on option only.	
TF1B-SS	4 in. 304 grade stainless steel 180° U-shaped fitting, with high temp black coating See TF1B on page 4. Includes (1) stainless steel clamp,(1) TP-19C hanger, and (2) stainless steel reflector end caps with clips, galvanized spreader bar.	
RUP-SS	Reflector and "U" bend package - One TF1B-SS and one RU-SS.	
THCS-SS	30 in. stainless steel chain set with two "S" hooks. See THCS on page 5 for quantity required per heater.	

PART NO.	DESCRIPTION	Quantity
RE-SS	304 grade stainless steel reflector elbow 90° bend to cover an elbow (E6) fitting (not included). Field assembly required. 27 in. x 27 in. square. (Specify 45° assembly)	
RU-SS	304 grade stainless steel reflector "U" to cover a TF1B "U" fitting (not included). Field assembly required. 27 in. x 27 in. square.	
SSR-60	60 in. 304 grade, polished stainless steel reflector.	
E6-SS	304 grade stainless steel elbow. 6" radius, 90° bend, 4" diameter, 16 gauge stainless steel with black coating. Includes (1) stainless steel tube clamp, and (1) stainless steel hanger.	
SSE-SS	304 grade stainless steel side shield extension. Used to direct infrared rays downward away from sidewalls and combustibles with (2) 0° mounting brackets, (8) screws. 62 in. long x 10.5 in. wide.	
BK-SS	Stainless steel "Brass Knuckles." Reflector mounting bracket attaches to wire hanger allowing the reflector to be mounted on a 15, 30 or 45 angle. See BK on page 5 for quantity required per heater.	
REP-SS	304 grade stainless reflector and elbow package - One RE-SS and one E6-SS. Consult IOM for minimum distance to burner. No end caps or clips included. (Specify 45° assembly)	

4 INCH VENT MATERIALS

PART NO.	DESCRIPTION	Quantity	PART NO.	DESCRIPTION	Quantity
 WVE-GALV	Galvanized steel vent outlet cap 4 in. O.D. with flapper. Flapper insures proper static pressure for proper unit operation. Must be used with unvented units.		 DHC-4	4 in. draft hood connector. B-C adapter for connecting vent pieces.	
 SWD-4	4" Duravent sidewall vent cap. All aluminum construction. Diameter is 8-3/4 in.		 SC-4	4 in. storm collar. For use with 4 in. venting through the roof. Galvanized steel. Prevents rain from entering flashing.	
 WT-4	4 in. wall thimble. Protection for venting through a sidewall application. Measures 8.5 in. outer diameter, 6.5 in. inner diameter. Adjustable 4 in. to 6 in. depth.		 TF-9	4 in. side wall vent terminal with screen. 16 gauge aluminized steel construction, 18 in. long, one 4 in. clamp, Bird screen on exhaust end. Not approved on 200,000 Btu/h models.	
 SK4	Field Controls 4 in. vent terminal with internal screen. For use when side wall venting. V2 200,000 Btu/h models only. Diameter is 10.25 in.		 4-DSK	4 in. Duravent sidewall vent kit with all items for sidewall venting. Includes: SWD-4, WT-4, 18BV-4, DHC-4, SC-4. No vent pipe material is included. 29 in. long when fully assembled.	
 SK4-VK	V2 200,000 Btu/h model vent kit. same as 4-DSK, substitute SK4 for SWD-4.		NOT APPROVED FOR V2 200,000 Btu/h MODELS.		
18BV-4	4 in. Doublewall B-vent. Used for penetrating through combustible wall and/or roofs. 18 in. long.		BR-4-VK-36	4 in. Duravent vent kit with all items for sidewall venting. Includes: SWD-4, WT-4, BR-36-BV, BV-4, DHC-4, SC-4. No vent pipe material is included. 47 in. long when fully assembled.	
 BR-36-BV	4 in. Doublewall B-vent. Used for penetrating through combustible wall and/or roofs. 36 in. long.		BR-4-VK-48	4 in. Duravent vent kit with all items for sidewall venting. Includes: SWD-4, WT-4, BR-48-BV, DHC-4, SC-4. No vent pipe material is included. 59 in. long when fully assembled.	
 BR-48-BV	4 in. Doublewall B-vent. Used for penetrating through combustible wall and/or roofs. 48 in. long.		BR-4-VK-60	4 in. Duravent vent kit with all items for sidewall venting. Includes: SWD-4, WT-4, BR-60-BV, DHC-4, SC-4. No vent pipe material is included. 71 in. long when fully assembled.	
BVP-4	4 in. Doublewall "B" type vent. Used for penetrating through combustible wall and/or roofs. 60 in. long.				

6 INCH VENT MATERIALS - DUAL VENT MATERIALS

PART NO.	DESCRIPTION	Quantity	PART NO.	DESCRIPTION	Quantity
 SK-6	Field Controls 6 in. vent terminal with internal screen. Can only be used for <u>dual</u> side wall venting of V2 200,000 Btu/h models only. Diameter is 12.5 in.		 Y	Dual exhaust assembly, Y-shaped, 16 gauge aluminized steel. 4 in. O.D. x 6 in. O.D. x 4 in. O.D. Two tube clamps included. For use when common venting two heaters. Heaters must share a common thermostat. Dimensions - 21.5 in. left-right, 13 in. high.	
 YSM	Dual exhaust assembly, Y-shaped, 26 gauge galvanized steel with baffle. 4 in. O.D. x 6 in. O.D. x 4 in. O.D. Two adjustable elbows included to ease installation. For use when common venting two heaters. Heaters must share a common thermostat. Dimensions - 14 in. left-right, 13 in. high.		 RT	Dual exhaust assembly, r-shaped, 16 gauge aluminized steel with high temperature black coating 4 in. O.D. x 6 in. O.D. x 4 in. O.D. Two tube clamps included. For use when common venting two heaters that meet at a 90° angle. Heaters must share a common thermostat.	

BURNER PRICING*		
PART NO.	DESCRIPTION	Quantity
BRN-FT-BTU-GAS-AG2	AG2 Brn, (1) Hgr, Hose & Baffle	
BRN-FT-BTU-GAS-AG1	AG1 Brn, (1) Hgr, Hose & Baffle	

* Must state **Length, BTU** and **Gas Type** when replacing burner.

ADDITIONAL KIT PRICING		
PART NO.	DESCRIPTION	Quantity
DB-10Kit	10 Ft. Full 3" Mounting Kit	
DB-20Kit	20 Ft. Full 3" Mounting Kit	
DB-30Kit	30 Ft. Full 3" Mounting Kit	
10-Kit	10 Ft. Full 4" Mounting Kit	
20-Kit	20 Ft. Full 4" Mounting Kit	
30-Kit	30 Ft. Full 4" Mounting Kit	
40-Kit	40 Ft. Full 4" Mounting Kit	
50-Kit	50 Ft. Full 4" Mounting Kit	
60-Kit	60 Ft. Full 4" Mounting Kit	
70-Kit	70 Ft. Full 4" Mounting Kit	
80-Kit	80 Ft. Full 4" Mounting Kit	

Additional Mounting Kit includes applicable hangers, clamps and center supports. Also included is (1) RH-1 or RH-3, (2) reflector end caps, and (8) clips. **Note:** Kits for 150 MBH models receive one stainless steel tube clamp.

LIMITED WARRANTY GUIDELINES AND OPTIONS****

All limited warranties, are defined in the product insert manual for the particular series of heaters. Please contact the factory for further information on the terms and conditions.

STANDARD WARRANTY	BURNER BOX COMPONENTS	TUBES/ EXCHANGERS	BURNER
AG1	1 YEAR	5 YEARS	10 YEARS
AG2	3 YEARS	5 YEARS	10 YEARS

EXTENDED WARRANTY OPTIONS****	
CWO	Control Extended Warranty Option. (Max. 4 year extension) (net) per year, per heater.
EWO	Exchanger Extended Warranty Option. (Max. 10 year total or 5 year extension) (net) per year, per tube.
VPWO:	HLV Vacuum Pump Extended Warranty Option. (Max. 5 year total or 4 year extension) (net) per year, per pump.

**** Prior approval from the factory is required when quoting extended warranties.

IN HOUSE GAS CONVERSIONS

PART NO.	DESCRIPTION	Quantity
S1-CONV.	Converting a single stage heater from LP to Natural Gas or Natural Gas to LP. Kit includes 1 gas valve, 1 burner orifice, 1 air collar and 1 new rating label. Model and serial number must be specified. Conversion can be made depending on age and condition of heater. Conversions are not available on DTHS models.	
S2-CONV.	Converting a two stage heater from LP to Natural Gas or Natural Gas to LP. Kit includes 1 gas valve, 1 burner orifice, 1 air collar and 1 new rating label. Model and serial number must be specified. Conversion can be made depending on age and condition of heater.	