SERIES 3 FORCED DRAFT PACKAGED SCOTCH TYPE BOILERS SUGGESTED SPECIFICATION

Note: To use as a project specification:

- A. Insert in the blank spaces provided, the applicable model number, capacity, fuel, and electrical data.
- B. Delete the items in parentheses, or the items marked *, which are not applicable to the project requirements.
- C. Insert, where applicable, optional non-standard features desired.

SPECIFICATION

Boilers:

	d install				
Noappurtenan	ooilers for (No oil) co	omplete with fuel burnecified. The boiler	ning equipment, safety unit(s) shall be fully a	and operating c ssembled and v	ontrols, and wired at the
Burnh at less th	unit(s) shall be Burnha am Corporation designe psi; boiler hors han five square feet per H per cubic feet.	ed for (15 psi steam) () and shall have a gros epower. Boiler heatin	150 psi steam with safet s output of g surface measured on	ty valve(s) set to LBS/HR or the fireside shall	relieve l be not
of cast be set tested Pressu	r(s) shall be of the three- t refractory baffling to p with roller expander at and marked in accordance are Boilers of the ASME hall be registered with the	provide the second or the each end, and shall be not with Section IV, LE Code, as applicable to	hird pass shall not be per flared. Pressure vessel ow Pressure Heating Bo for the working pressure	ermitted. All tub l(s) shall be consoilers, or Section e herein before s	bes shall structed, n I, High
protec equipr	r(s) shall be mounted on tion of burner. The bur ment mounted on the bo erational function.	ner shall be mounted	at the front of the boiler	, with all mechan	nical
to rear and pr sixteen ename	r(s) shall be provided wing tube sheet, hinged gas roviding access to front in inch diameter rear furnited steel jacket with two and return piping, and	tight front flue cleano tube sheet without dis- nace access door with o inch fiberglass insul-	ut doors with refractory connecting any fuel line Pyrex observation port,	lining keyed in es or electrical w factory installed	place iring, d

5. Trim and controls for steam boiler(s) shall consist of steam pressure gauge, ASME side outlet safety valve(s) set to relieve at psi, combination pump controller and low water cut-off with integral water column and three try-cocks, auxiliary probe type manual reset low water cutoff, operating steam pressure control, manual reset high limit pressure control, [and firing rate controller with (lo-hi-lo) or (modulation) firing sequence.]
6. Fuel Burning Equipment - The burner(s) shall be factory installed and wired, shall incorporate all necessary devices and controls to make a complete fuel burning system for the type of fuel herein before specified, and shall bear the listing of Underwriters Laboratories, Inc. evidencing compliance with requirements of UL-296 for oil burners and UL-795 for gas burners.
*Oil burners for No. 2 oil shall be of the forced draft pressure atomizing type, complete with integral motor driven blower, oil pump, oil nozzle(s), oil solenoid valve(s), ignition assembly, combustion safeguard, motor starters, and all necessary controls for safe and efficient operation in accordance with UL requirements and (FM requirements) (and IRI requirements).
Note: Insert additional details such as desired combustion safeguard, firing sequence, and/or other features to meet project requirements.
*Oil burners for (No. 2 oil) (No. 4 oil) (No. 5 oil) (No. 6 oil) shall be of the forced draft low pressure air atomizing type complete with integral motor driven blower, air compressor, oil supply pump, atomizing assembly, ignition assembly, combustion safeguard, motor starters, and all necessary controls for safe and efficient operation in accordance with UL requirements (and FM requirements) (and IRI requirements).
Note: Insert additional details such as desired combustion safeguard, firing sequence, oil heating equipment for heavy oil, and/or other features to meet project requirements.
*Gas burners shall be of the forced draft multi-jet type suitable for burninggas with heat content ofBTU per cubic foot and specific gravity ofdelivered to the gas train inlet at a pressure of (inches w.c.) (psig). Burner shall be complete with integral motor driven blower, ignition assembly, combustion safeguard, motor starter, complete gas train included gas pressure regulator and dual gas valves, and all necessary controls for safe and efficient operation in accordance with UL requirements (and FM requirements) (and IRI requirements).
Note: Insert additional details such as desired combustion safeguard, firing sequence, and/or other features to meet project requirements.
*Combination gas/oil burner shall consist of an integral assembly of a forced draft pressure atomizing oil burner suitable for burning No. 2 oil and a forced draft multi-jet type gas burner suitable for burning gas with a heat content of

Note: Insert additional details such as desired combustion safeguard, firing sequence, and/or other features to meet project requirements.

required when changing from one fuel to the alternate fuel.

provide the appropriate timing and sequence of events for the fuel selected, except that the oil pump may continue to operate when firing gas. No burner adjustments or re-positioning of control linkage shall be

Combination gas/oil burners shall consist of an integral assembly of a forced draft low pressure air tomizing oil burner suitable for burning (No. 2 oil) (No. 4 oil) (No. 5 oil) (No. 6 oil) and a forced draft nulti-jet type gas burner suitable for burning gas with a heat content of BTU per cubic foot and specific gravity of delivered to the gas train					
alet at a pressure of (
Note: Insert additional details such as desired combustion safeguard, firing sequence, and/or other features to meet project requirements.					
7. Electrical supply to the boiler(s) will be volts hz phase. All control circuits shall be 120 volts, 60 hz, 1 phase, with all switches in the ungrounded leg. Fuse protection for the control circuit shall be provided.					

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