

# North American Packaged Air Heaters A Conceptual Review

Bulletin 9545

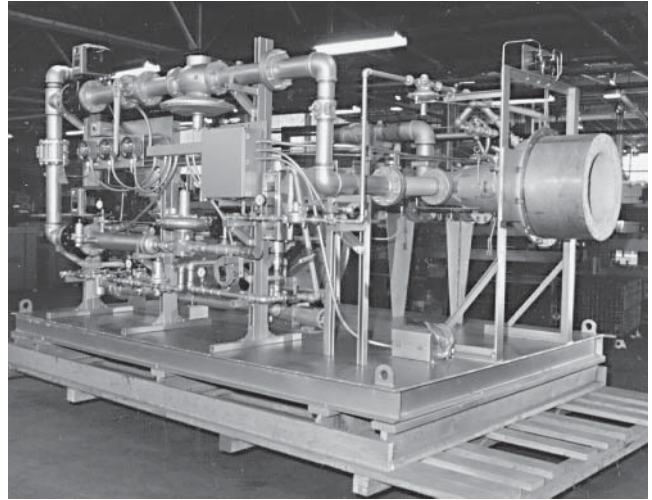
For decades, North American has supplied both components and completely packaged systems, including combustion chambers and controls to suit a wide variety of both large and small air heating applications.

Shop assembled, piped, wired, and tested, these systems provide the safety and reliability required to meet today's strict requirements.

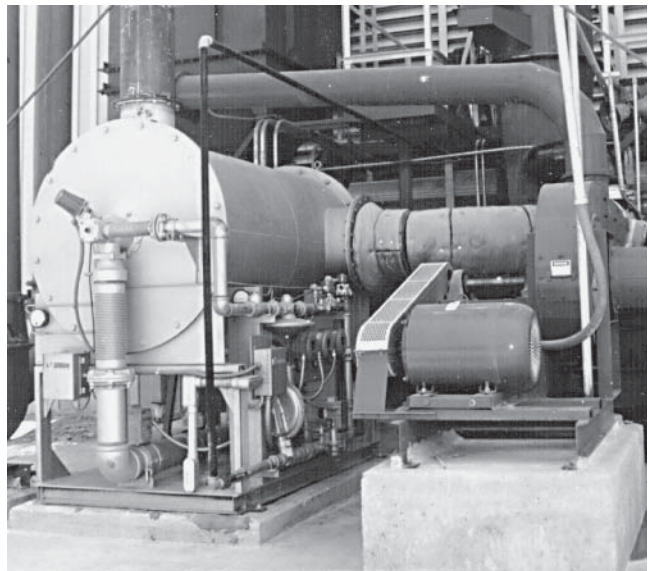
For profitable solutions to your own needs, contact your local North American representative in Cleveland, Ohio.

### Applications include:

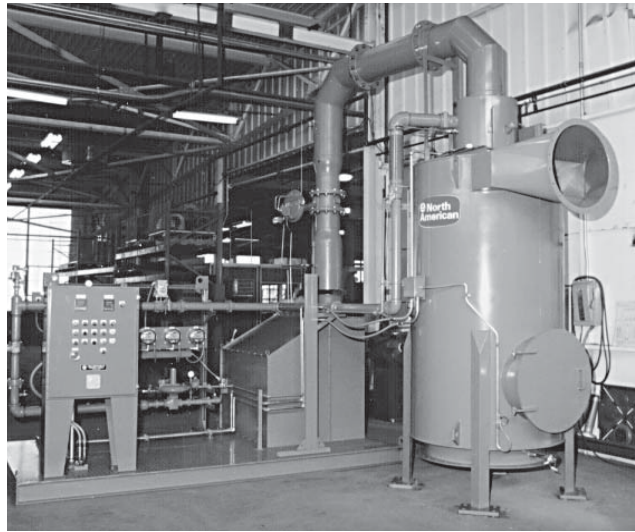
- Catalysts
- Cement
- Ceramics
- Chemicals
- Coal Drying
- Cracking and Regeneration
- Dryers
- Fluid Beds
- Foodstuffs
- Foundries
- Furnace Preheat and Dryout
- Liquid Concentration
- Ovens
- Paint and Ink Drying
- Paper
- Pharmaceuticals
- Plastics
- Refineries
- Refractory and Brick Dryout
- Rotary Dryers
- Spray Drying
- Steel Mills



*A completely shop-piped, wired, and tested combustion system with integral burner is ready to be mounted to an insulated horizontal air heater. The fuels burned can be natural gas, LPG, #2 oil, or #6 oil. Gas and oil can be fired simultaneously. 100% oxygen/fuel systems are optional.*

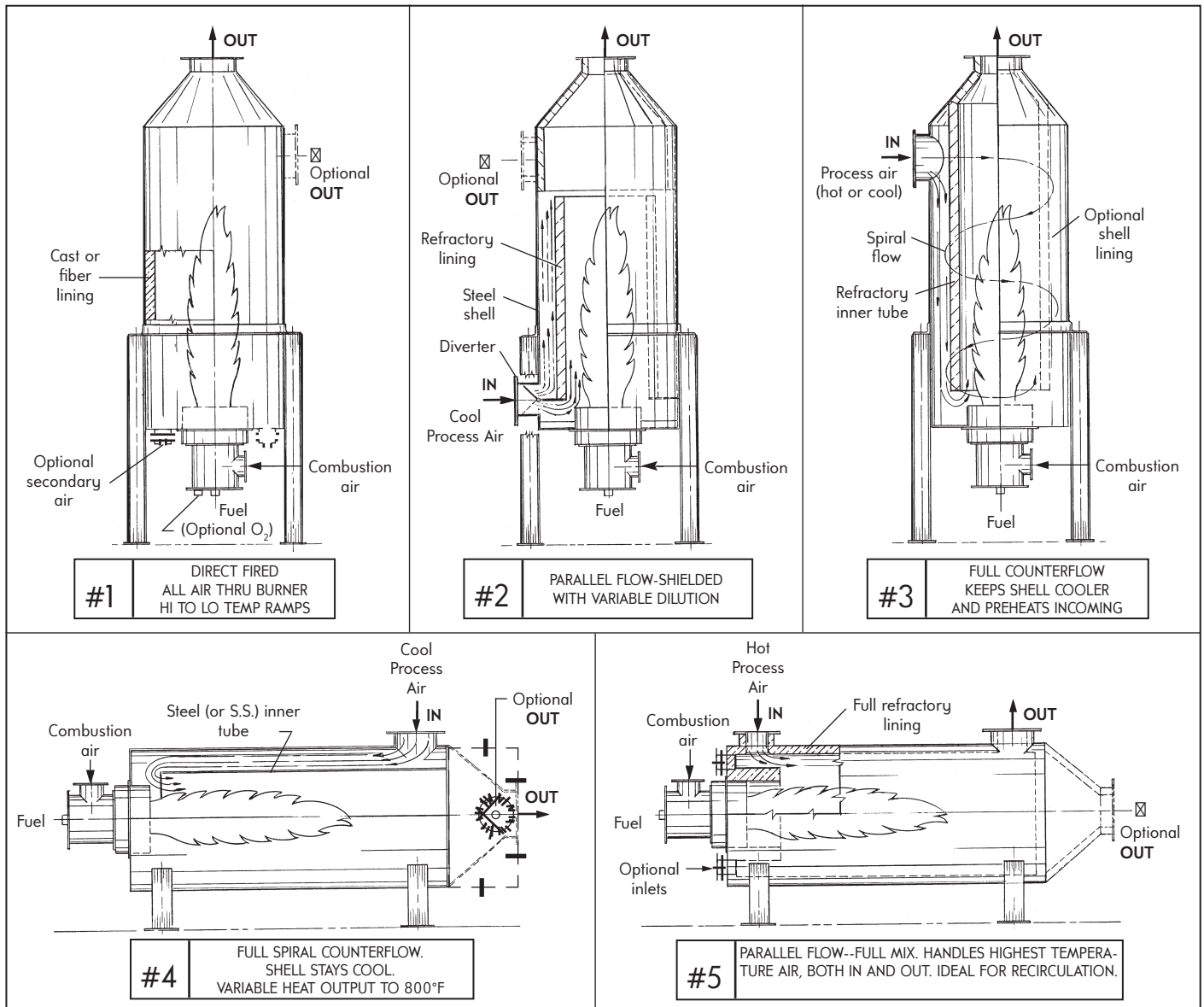


*Packaged Air Heaters, both large and small, assure an evenly heated supply of process air from fresh, mixed, or recirculated sources. For low temperature drying or high temperature process heating, Fives can build your system to suit.*



This vertical air heater was shop assembled and shipped as units, complete with microprocessor based controls for temperature, ratios and flow.

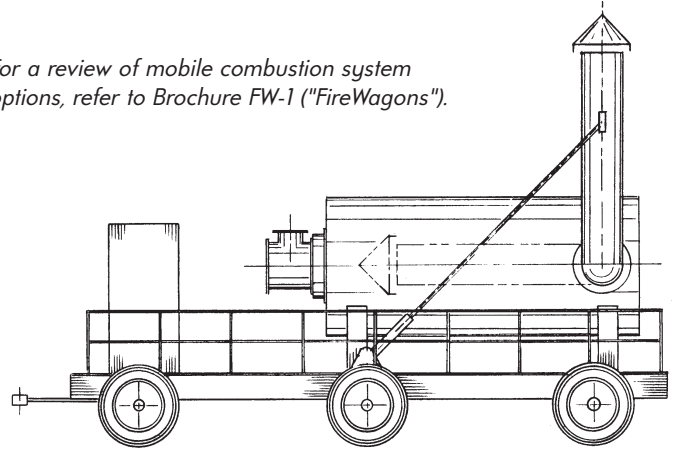
CONCEPTUAL ARRANGEMENTS SHOW FLEXIBILITY



## FEATURES:

- 1.5 to 25 million Btu/hr capacities
- High or low excess air firing
- Arrangements to suit
- Ultra low NO<sub>x</sub> burners available
- Meet or exceed NFPA for FM/IRI/OSHA
- Gas or oil completely packaged fuel trains
- Oxy-fuel systems optional
- Inlet /outlet temperature to suit
- 250 F to 2250 F temperatures

*For a review of mobile combustion system options, refer to Brochure FW-1 ("FireWagons").*



**WARNING:** Situations dangerous to personnel and property may exist with the operation and maintenance of any combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in control and ignition circuits, etc., is inherent with any combustion application. Parts of this product may exceed 160F in operation and present a contact hazard. Fives North American Combustion, Inc. urges compliance with National Safety Standards and Insurance Underwriters' recommendations, and care in operation.



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