

Multi-Oil Heaters: The Simple Solution



Eliminate heating fuel expenses, say good-bye to waste-oil disposal costs and reduce environmental liability for improper storage and disposal of used oils.

Every gallon of used oil contains 140,000 BTUs of energy. Our multi-oil heaters and boilers convert those BTUs into money-saving energy to heat



your shop. Our patented burner sets the industry standard for reliability and ease of use. And

Firelake has the broadest product line, featuring nine heater and five boiler models.

Once you learn the benefits of multi-oil heating the Firelake way, you'll understand why an investment in a Firelake heating system pays for itself in savings, ease of use and increased profits.



A respected and trusted name since 1924, Shenandoah began manufacturing furnaces in 1989—with a product line featuring waste-oil heaters, boilers and accessories. In October of 2002, Firelake Manufacturing LLC obtained the Shenandoah heater and boiler lines. Firelake, a family owned metal fabrication company in operation since the 1950s, recognized the value and strength of a dependable product and brand like Shenandoah. Many of the employees

A Legacy of Quality



that made Shenandoah a great name are with Firelake today, continuing to lead the industry with groundbreaking technologies and customer support.

Firelake is proud to honor a tradition of innovative design, technology and exceptional customer service that started with Shenandoah. Firelake is a name you can trust for that same standard of reliability and service.

1-866-252-3757 www.firelakemfg.com



Every gallon of used oil contains 140,000 BTUs of energy.

Free Heat For Your Shop™

Locally serviced and distributed by



Firelake Manufacturing, LLC
919 Cottontail Trail
Mt. Crawford, VA 22841

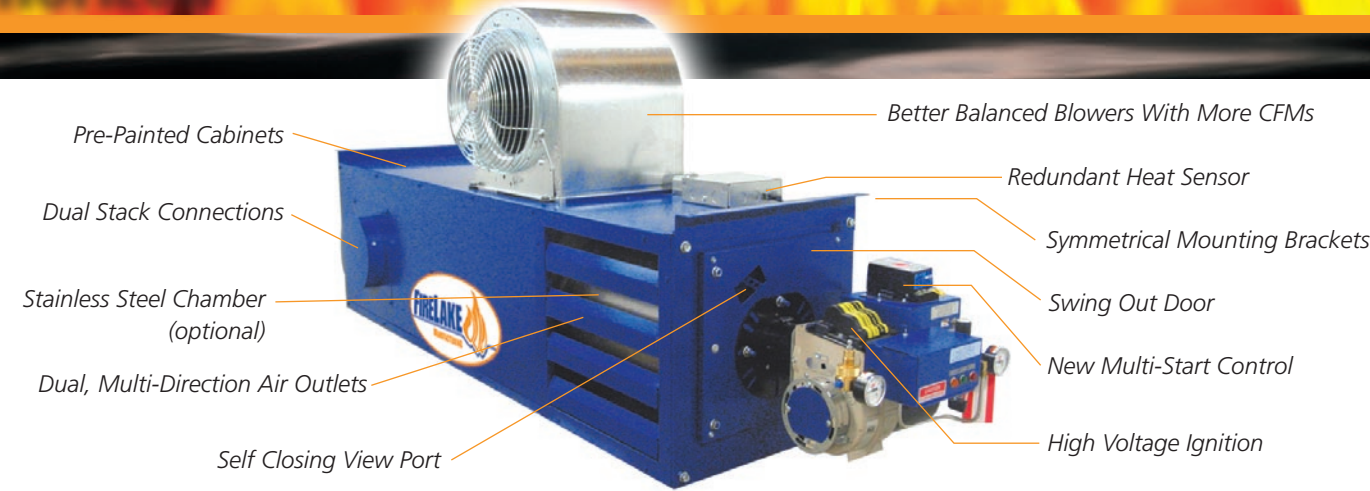


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Horizon



Models	HORIZON 155	HORIZON 200	HORIZON 315
BTU Input*	155,000 (45.42kW)	200,000 (58 kW)	315,000 (92 kW)
BUT Output	120,000 (38 kW)	160,000 (47 kW)	252,000 (74 kW)
Stack Size	8" (20.3 cm)	8" (20.3 cm)	8" (20.3 cm)
Shipping Weight	390 lbs. (177 kg)	437 lbs. (199 kg)	569 lbs. (259 kg)
Dimensions (w/burner & blower)	34.5" x 22" x 79" (87.6 cm x 55.9 cm x 2.0 m)	34.5" x 22" x 92.5" (87.6 cm x 55.9 cm x 2.3 m)	41" x 26" x 113.5" (1.04 m x 66 cm x 2.9 m)
Duct Opening	16" x 16" (40.6 cm)	16" x 16" (40.6 cm)	18" x 18" (45.7 cm)
Electrical Requirements	30A (15A for export)	30A (15A for export)	30A (15A for export)
Fuel** Consumption	1.12 gal/hr (4.24 l/hr)	1.43 gal/hr (5.41 l/hr)	2.25 gal/hr (8.5 l/hr)
Blower Motor Horsepower	3/4 HP (560 Watt)	3/4 hp (560 Watt)	1 hp (750 Watt)
Compressed Air Requirements	2 CFM @ 40 psi (.05 m ³ @275 kP) (all models)		
Listings	UL, C-UL	UL, C-UL	UL, C-UL

* BTU input based on industry standard 140,000 BTUs per gallon.
 ** Fuels: Used crankcase oil, transmission and hydraulic fluids, as well as other petroleum-based lubricants (any weight combination up to SAE 50, including #2 fuel oil).
 Note: All installations must comply with local requirements, including permitting where applicable.



3-Pass Heaters



A Trusted Design

Easy to Maintain: Clean-out panels on both ends of the heat exchanger.

Durable: 100% aluminized-steel fire chambers and heat exchanger resists corrosion and allow for maximum heat transfer.

An Option for Smaller Shops: Model 145 delivers high fuel efficiency at an affordable price, perfect for shops generating low volumes of used oil. It efficiently burns waste oil, transmission fluid and even regular heating oil.

Models	3-PASS 145	3-PASS 350	3-PASS 500
BTU Input	145,000	350,000	500,000
Waste Oil Consumption	1 GPH	2.5 GPH	3.6 GPH
Agency Listings	UL, C-UL	UL, C-UL, ETLM	UL, C-UL



With Horizon Heaters From Firelake

The smartest design means less hassle for you

Accessible Design: Cleaning time is 75% less than a traditional heater.

Swing-out Removable Burner and Slide-out Gun Assembly: Allows easy access for cleaning and maintenance.



Advanced Heat Exchanger: Superior design promotes regular maintenance, easier cleanout and longer life.

Targetless and Tubeless: Reduces cleaning time and eliminates the need and costs of a burner target.

More versatility and higher efficiency

Dual Stack Connections: Vent gas out left or right side for more versatile installation.

Dual Multi-Directional Air Outlets: Left and/or right side, up or down, and right or left louvering.

Mounting: New symmetrical mount brackets to suspend or attach to heater.

Efficient Clean Combustion: Fuel and compressed air are preheated. Air atomizing, stop-drip nozzle prevents carbonizing.

Improved Blowers: Better balanced blowers with higher CFM.

Optional Stainless Steel Heat Exchanger

The highest level of safety and dependability

Warranty: A limited lifetime warranty on all Horizon heat exchangers.

State of the Art: High-tech flame sensing, multi-try ignition, and redundant heated air sensor eliminate excessive heat build up.

Reliability: Thermostatically controlled, 24V wall thermostat and flame sensor with cutoff controls for ease of operation.

Safety Switch: Only manufacturer with air proving safety switch on burner motor.

Viewport: Improved self closing flame viewport.

EPA Endorsed

EPA regulations endorse our method of on-site energy recovery from used oil.

Accessories

Adds Value and Versatility

Complete installation packages available

Convenient Oil Storage: Use the tanks as primary or secondary storage area.

Quick Access for Servicing: Heater is easy to reach with a small stepladder at 96" height.

Range of Sizes: Available in 250, 350, 500 and 650 gallon sizes to suit your needs.

Oil Drain Box Option: Filling workbench tank becomes a no-mess procedure. Extra large drain box (20"sq. x 6" deep) allows for quick disposal.

Ductable Options: Models 350 and 500 feature ductable add-on kits to distribute heat to each service bay through a duct system.



Hot Water Boilers

The Largest and Most Versatile in the Industry

6 Different models from 100,000 BTUs to 500 Horsepower.

Smart Choice for Hot Water Applications

- Car washes
- Auto dealerships
- Truck repair facilities
- Quick lube shops
- Transit mix concrete firms
- Floor or radiant heat applications

FireLake partners with Columbia Boiler Company.

