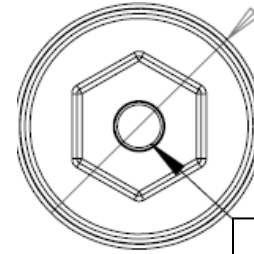
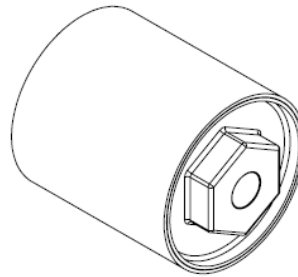




Fitch Fuel Catalyst c/o
Advanced Power Systems Inc
339 Main Street
Torrington, CT 06790
888-881-2774

Fitch Fuel Catalyst - Residential Oil Burners

Fitch models: HO5-UL & HO10-UL



3/8" NPT

Features/Specs

- Acrylic Enamel Exterior
- HO5-UL: 3" OD x 3 3/4"
- HO10-UL: 3" OD x 4 1/16"
- 3/8" NPT Threaded End Cap

Fitch Model Number	Heating Oil		Heavy Oil	
	GPH	LPH	GPH	LPH
HO-5UL	5	19	4	13
HO-10UL	10	38	7	26

INSTALLATION MUST BE PERFORMED BY A LICENSED TECHNICIAN THE BOILER / FURNACE MUST BE PROPERLY CLEANED & TUNED BEFORE FITCH INSTALLATION

1. Ensure that there is the correct supply of fittings, adapters, correct nozzle and new oil filter.
2. Establish the baseline measurements for maximum economy and performance. Note the following for comparison; Stack temperature, CO₂, CO, Efficiency, Oxygen and Smoke reading.
3. Turn off the fuel supply to the burner at the tank.
4. Turn down the thermostat and cut off the electrical supply to the furnace.
5. Place a tray under the line to catch any spilled fuel.
6. Install the unit using the correct industrial fittings and methods. The most convenient location is usually at the point where the fuel line connects to the oil burner.
NOTE: all units MUST be installed vertically with the fuel flowing into the bottom and out the top of the unit. *The direction arrow must be pointing UP.*
7. Open the fuel flow and check for leaks.
8. Reconnect the electrical supply and re-adjust the thermostat up to 80 degrees.
9. Start up the furnace and check again for leaks. Measure increase in stack temperature over the baseline values.
10. Monitor the stack temperature.
11. Recheck for furnace efficiency and performance. An increase in temperature will occur in stack temperature and change in CO₂.
12. Change to smaller nozzle (15 – 20% to lower increased stack temp) and adjust fuel/air ratio to achieve optimal burn and highest efficiency with the stack temperature returned to the original factory recommendations of the burner manufacturer.

CAUTION: Nozzle size- To fully realize the fuel savings from the Fitch Fuel Catalyst HO Series it is necessary to downsize the nozzle.