

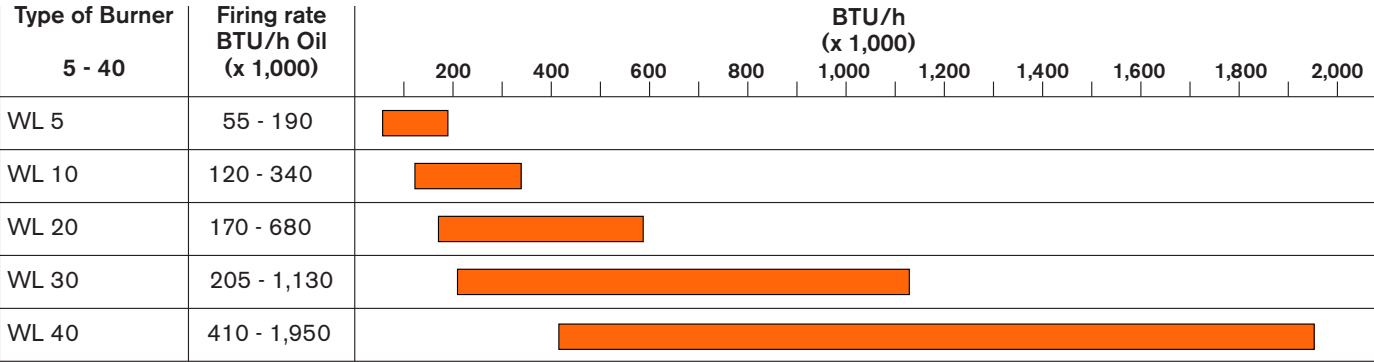
Oil Burners

Models: WL 5 to 40
Firing rate: 55 – 1,950 BTU/h (x 1,000)
Operation: On-off, low-high-low
Fuel: No. 2 oil



Oil Burner WL 20

Firing rate WL 5 – 40



The max. firing rates are based on zero furnace backpressure, ambient temp. of 70° F and an elevation of 1,650 ft.
For more details and final burner selection refer to applicable product brochure.

Specification Features

- Compact and quiet
- Available in on/off and low/high/low (2 stage) versions
- Heated nozzle assembly reduces the viscosity of the fuel oil enabling the burner to operate at very low firing rates
- Heated nozzle assembly makes light off very stable and reliable. Normal operating pressures can be maintained even at low firing rates
- Quick action nozzle shut off valve closes off the oil flow immediately on shut down. This assembly also ensures that at light off oil passes through the nozzle at the precise time and at the desired pressure for optimum efficiency and dependability
- Adjustable diffuser and combustion head makes set up simple, maximizing the pressure drop across the diffuser
- Low/high/low burners are equipped with a servomotor, which changes the air for the applicable firing rate to maximize performance
- Adjustable servomotor ensures that a precise amount of combustion air is delivered
- The capacity regulation is controlled through the entire burner range by a single servomotor or a stepping motor, which enable the service technician to easily adjust the following positions (low/high/low burners only):
 - controlled shut down (air damper closed)
 - low fire oil
 - high fire oil solenoid
 - high fire air
- The air damper drives to the fully closed position during off cycles to prevent standby losses (position varies with burner size and versions)
- Sound absorbing cover and insulated air intake reduce the operating noise
- Electrical connections are made using non interchangeable plugs eliminating connection errors
- Flame tube is a one piece construction, capable of withstanding temperatures of up to 1,450° F
- All burner components are easily accessible for service and maintenance works
- Weishaupt burners are certified to the international quality standard ISO 9001

Legend No. 2 oil