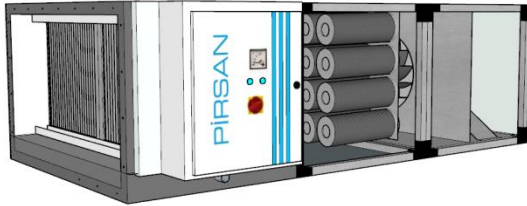


## ECOLOGICAL UNITS

### FLUELESS EXHAUST SYSTEMS



PEKL series ecological units; designed to filter the oil, smoke and odor in industrial kitchens; It has been turned into a professional unit by integrating different filter systems and aspiration system.

#### Fan and Motor

In ecological units, the required capacity is determined with correct engineering calculations. The fan/motor with sparse blade structure is determined in accordance with the capacity.

In PEKL series ecological units, power transmission is provided with direct coupled fan technology without the need for belt/pulley assembly. The motor, which is out of the air flow, has the feature of continuous operation at 120°C. Since the engine is out of the air flow, it is also protected from oil.

#### Oil Trap Metal Wire Filter

Before the air sucked from the hood enters the ecological unit, it is purified from oil by passing through the grease trap metal wire filter. Oil trap metal wire filters; It has a dense pore structure and is made of aluminum. With its rail mounting structure, it can be easily removed from the rail during maintenance and cleaned. Metal wire filters not only prevent oil discharge into the atmosphere, but also extend the maintenance periods of the ecological unit.

#### Electrostatic Filter

Electrostatic filters are used to eliminate smoke. In PEKL series ecological units, up to 99% of smoke is eliminated with high efficiency ionizers. With its rail mounting structure, it can be easily removed from the rail during maintenance and cleaned.

#### Carbon Filters

In PEKL series ecological units, carbon filters are designed and produced in accordance with the capacity. High efficiency cartridge type granular activated carbon filters are used in ecological units. With the plug-and-turn assembly structure, the filters can be removed by turning them during maintenance.

#### System Control Panel

The PEKL series is designed for the control of ecological units. Ecological unit fan speed can be controlled with the frequency inverter in the panel; The fan speed can be increased or decreased according to the density situation.

It can be done via the switchboard on/off and speed control panel, or it can be done with a mini-controller to be placed at a place to be determined by you.

#### Drainage Pool

Oil is preserved with the drainage pool integrated under the electrostatic filter; If desired, it can be connected to your existing oil drain.