

## AIR HANDLING UNITS

### CEILING TYPE AIR HANDLING UNIT



PKS series air handling units; While bringing indoor air quality to comfort levels, it provides quality indoor air by controlling temperature and humidity.

#### Fans and Motors

According to the capacity needed in the power plants; A fan made of galvanized sheet metal and aluminum with sparse or frequent blades is used. The fans are statically and dynamically balanced and are also mounted on rubber wedges to prevent possible vibrations from being transmitted to the body. Motors are IP protection class and CE certified.

AMCA certified fans complying with international norms are used in PIRSAN brand air handling units.

#### Heating Cooling

In air handling units, it is important with heating and cooling functions as well as clean air and exhaust functions. DX coil, water coil and electric heaters are integrated considering the area where the air handling unit will be located and the provincial weather conditions and possibilities.

#### Filters

Various filter groups are used in air handling units in accordance with the desired room conditions and comfort. The air handling units are manufactured with EU4 and F7 bag filters as standard, and filters are integrated according to the area in which they will be used.

#### Dampers

Motorized dampers are used in all air handling units to stop the air flow when the device is in the off position. Damper blades are manufactured as fully sealed and sealed. Motors integrated into the damper will open the damper blades when the device is opened and will close the blades when the device is closed.

#### Plate Heat Recovery

Heat recovery in air handling units is realized with high efficiency hygienic plate heat exchangers. Fresh air and exhaust air pass through the heat exchanger crosswise without mixing with each other. The gain is achieved by realizing the heat transfer of the fresh and exhaust air sliding over each other.

#### Automation and Power Board

Air handling unit control can be done with automation and power panel integrated into air handling units; Regardless of the location, the switchboard can be controlled from any location in a mobile and PC environment. With its digital and touch control panel, the switchboard can also be used manually.