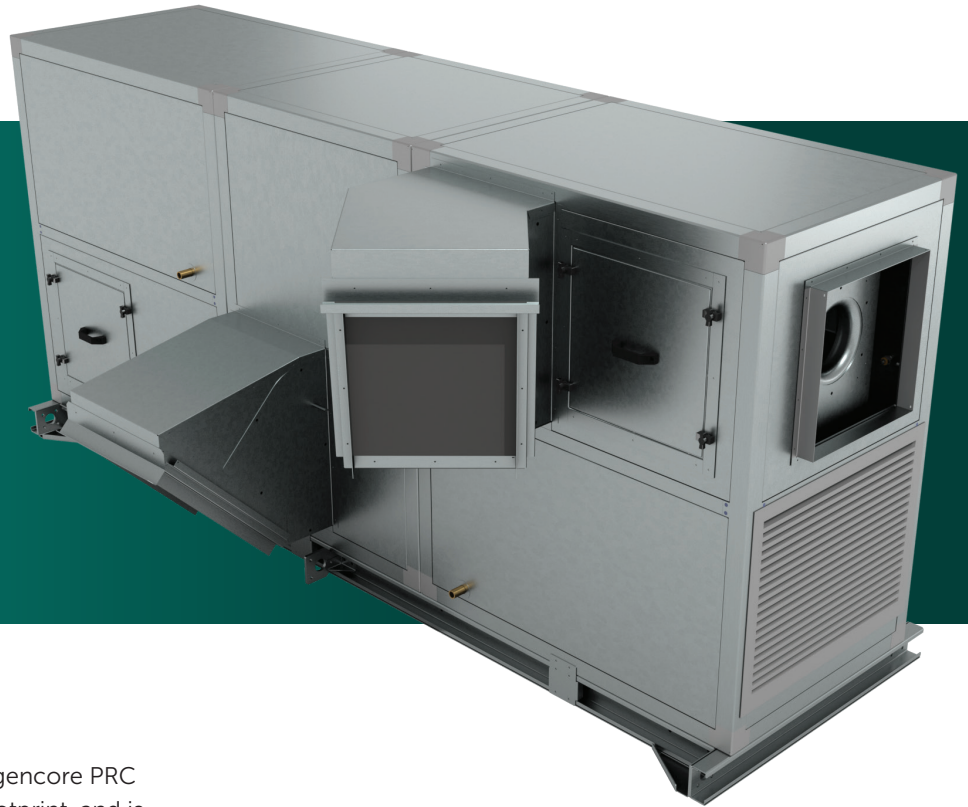


# REGENCORE

## Core Bypass Option

### CORE BYPASS FEATURES

- Better temperature control in shoulder seasons
- Prevents overheating
- Saves energy
- Reduces pressure drop



### CORE BYPASS FUNCTION

SolutionAir offers a core bypass option for Regencore PRC units. This option doesn't change the unit's footprint, and is available for all standard PRC sizes.

### HOW IT WORKS

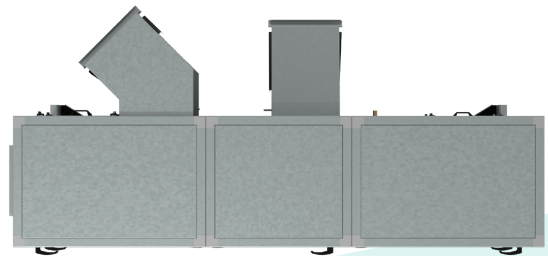
The core bypass uses two bypass dampers controlled by modulating actuators to control the supply air temperature and reduce the pressure drop through the cores.

The bypass dampers are protected by hoods to prevent moisture such as rain and snow from entering the unit. Although the core bypass option doesn't change the footprint, these hoods require additional clearance on the side opposite the control panel.

Smaller units can have their hoods angled away from each other to keep the intake and exhaust openings separate.

While cycling, the internal dampers can also force more air through the dampers (and less through the cores) for enhanced temperature control. In shoulder seasons, it is possible to recover too much energy from the building, causing supply air to be a higher than desired temperature.

The core bypass dampers also open during economizer mode, offering fan energy savings in low temperature conditions or where cooling is freely available.



Top View – Model PRC1000 with Core Bypass Option



ISO View – Model PRC1000 with Core Bypass Option