



Johnson Direct-Fired Make-Up Air Systems

The PR™--- 80/20% Positive Pressurization & Recirculation Unit---Features and Benefits

Standard Features

- Heating capacity up to 16,800,000 BTUH
- Air Volumes up to 120,000 CFM
- Heavy gauge unit exterior with light weight aluminum frame construction
- Weather resistant units with 2-coats of paint prime and finish
- NEMA 5 Remote control panel
- NEMA 3R Main electrical panel
- Multiple unit configurations: Horizontal or Vertical as well as indoor and outdoor
- Variety of discharge configurations
- 30:1 burner turndown capability; Hi and Low temperature limit switches
- Remote burner flame safeguard controls with flame reset switch
- U.V. flame detection, automatic gas modulation, low fire start, low airflow switch
- Non-fused disconnect, motor starter and overload protection, control circuit fusing
- Fan bearings rated at a minimum of L-10 100,000 Hours
- Factory piped, wired, and tested
- 2 year parts warranty
- Aluminum burner

Optional Features

- 80/20 Modulating – Fixed – or Two position return air models
- Double wall cabinet construction & insulated unit
- Inlet plenum or hoods on horizontal models
- Cabinet plenums or legs for vertical units
- Motorized inlet or discharge dampers on FM or IRI Models
- Internal Vibration isolation
- Motor and belt guards
- Fused disconnect switch
- Maxitrol Series 14 discharge temperature controls with remote temperature dial (available in most models)
- Maxitrol Series 44 space temperature controls with remote thermostat
- DFM space temperature controls with digital display and built-in time clock
- Two, Three, or Four way discharge diffusers with single or double deflections
- Variety of filtering choices
- Flat, pitched, or full duct plenum curbs
- DX, Chilled water or evaporative cooling
- Heat sources using gas or propane

Benefits

- Low first cost solution
- Low installation cost heating or cooling
- Highest quality 80/20 make-up air heating & cooling system
- Lower break motor horsepower vs. competition –significant fuel savings to end user
- Excellent building pressurization control HVAC product which prevents unwanted infiltration of unconditioned air
- Long equipment life – low cost to maintain
- 99.9% Efficient burner, lower gas operating cost
- Great product use for summer-time ventilation purposes
- Large variety of vertical & horizontal unit arrangements to choose from
- ETL Certified product that meets ANSI Z83.4A-2001 Standard
- Indoor and Outdoor Applications