

COMMON IAQ PROBLEMS AND SOLUTIONS



PURIFICATION

Problem	Odors and Chemical Vapors Perfumes, cleaning supplies, paints, pet odors, cooking fumes and other airborne contaminants
	Small, Respirable Particles and Bioaerosols/Microorganisms Pollen, dirt, pet dander, dust mites, bacteria, viruses and mold
Solution	Air-purification systems attached to the furnace or air handler, where contaminants are removed and destroyed before air is recirculated into the home.



DAVE LENNOX
signature
COLLECTION

**PCO20-28
PCO16-28
PCO14-23
PureAir™ air
purification system**
*Cleans the air in
your home better
than any other single
system you can buy*



FILTRATION

Problem	Small, Respirable Particles and Bioaerosols/Microorganisms Pollen, dirt, pet dander, dust mites, bacteria, viruses and mold
Solution	Air filtration systems combat indoor pollution by capturing even the smallest contaminants and keeping them from recirculating back into the home's air



**HC16/HC10
Media Air
Cleaners
HEPA
Filtration
System**



HUMIDITY CONTROL

Problem	Too Much Moisture Can make the air feel stuffy and warmer than the actual temperature, and can also promote the growth of mold, mildew, fungi, bacteria and viruses
	Too Little Moisture Can cause dry skin, sore throats and respiratory problems, along with annoying static electricity
Solution	Dehumidifiers and humidifiers work with the home's heating and cooling system to keep moisture levels balanced in every room.



**Humiditrol® Dehumidification System
Power Humidifier
Bypass Humidifier**



VENTILATION

Problem	Poor Airflow A common problem in newer homes, which are tightly sealed to conserve energy. Instead of continually moving, indoor air becomes stagnant, and contaminants have no way to escape.
Solution	Ventilation systems replace stale, contaminated indoor air with outdoor air—providing the fresh-air feel of an open window, with virtually no heat/energy loss or safety risk



**HRV – Heat Recovery Ventilator
ERV – Energy Recovery Ventilator
Ventilation Control System**



ELIMINATION

Problem	Small, Respirable Bioaerosols/Microorganisms Pet dander, dust mites, bacteria, viruses, mold and other contaminants that can collect on the air-conditioning coil, reducing system efficiency, and circulate through the home.
Solution	UVC lamps dramatically reduce concentrations of potentially harmful microorganisms.



UV-2000/1000/500