

This is Green Air

Presented by NASPR

We're going to be busy. **Leonard F. Luchner, Inc** and **Air Engineering/ Filters, Inc** have merged to form **Northeast Air Solutions (NAS)**. NAS is representing Titus, Ruskin, Flanders, Lindab, Flame Bar BW11, Purolator, Kinetics Noise Control, Trox, Seiho, Fabric Air, American Aldes, Brasch, Donco, Architectural grille, Metalbestos, Hardcast, AMPCO, Airsan, Smith, Dwyer, etc. So, now we will be alerting, informing, badgering? you concerning many more innovative, energy saving products. We may need to increase the frequency of these little missives to disseminate all the exciting news. So enough, let's get to this month's jewels.

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Mixing—an interesting concept

TITUS, after years of exhaustive research and development, is introducing a new, yes NEW diffuser. This diffuser does what other diffusers, for years, have been claiming to do. IT MIXES the air.



The TITUS TDX is the first pattern type diffuser that offers true mixing and the benefits that ensue. Why Mix? True mixing allows for the introduction of colder air with less concern of "dumping". Can you reduce your air quantities if you reduce your supply air temperature? Yes, you can. True mixing will generate shorter throws. Small, independent jets of air will induce more air than one large jet. Small masses of air will have shorter throws than large masses. The throws of a TDC or TDV (the TDV, a "vaned" diffuser) are 33% greater than that of the TDX for the same CFM. Benefits of the TDX

- Heavier loads—higher level of comfort
- Faster approach to temperature equalization
- Improved air quality – Higher Ventilation effectiveness – Higher ADPI

In honor of July 4th we are giving away an MP3 player. To enter the contest please answer the following question. How many colonies made up the original 13 colonies? Please e-mail your answer to me to be entered—Thank you

Adaptive/Fuzzy Logic Controls	New	0.20
Dedicated Outdoor Air Systems	Current	0.45
Displacement Ventilation/Electronically Committed Permanent	Current	0.20
Variable Refrigerant Flow	Current	0.15
Exchangers for Ventilation	Current	0.55
Heat Pumps for Cold Climates (Zero-Degree Heat Pumps)	Advanced	0.1
Improved Duct Sealing	Current/New	0.25
Liquid Desiccant Air Conditioners	Advanced	0.2 / 0.06
Microelectronics/Occupancy-Based Control	Current	0.07
Microchannel Heat Exchanger	New	0.11
Novel Coal Storage	Current	0.2 / 0.03
Radiant Ceiling Cooling/Chilled Beams	Current	0.6
Smaller Centrifugal Compressors	Advanced	0.15
Systems/Component Diagnostics	New	0.45
Variable Refrigerant Volume/Flow	Current	0.5

US Department of Energy says Lindab and Trox will save energy. Well, they say it indirectly. Of the 15 best ways to save energy in buildings they list duct sealing (Lindab SpiroSafe) and Chilled Beams (Trox and Lindab) as 2 of them. Chilled ceilings/beams appears as the largest potential saving mechanism of all 55 methods investigated.