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Tested in accordance to  
ANSI/ASHRAE standard 129 by the  
**National Research Council Canada**  
with the support of the  
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## THE ZONE AIR DISTRIBUTION EFFECTIVENESS ( $E_z$ ) OF THE HIGH INDUCTION DAL 358 DIFFUSER REACHES

$$E_z = 1.1$$

This factor can officially be applied in the ASHRAE 62.1 calculation or outdoor air intake flow ( $V_{ot}$ ) for building zones with ceiling supply of warm air at least 15°F (8°C) above space temperature and ceiling return. Testing was conducted by the NRC according to ASHRAE Standard 129.

In addition to the optimal IAQ, the application of the DAL 358 provides an opportunity to use up to **27%** less fresh air when compared to a traditional cone diffuser with an  $E_z$  factor of 0.8 .

To consult the NRC report, click on the link below :

<http://nadklima.com/images/Accueil-Highlight/nouveautes/Ez-1.1/NadKlimaReport-CNRC.pdf>

The DAL 358 diffuser also has other numerous important benefits which lead to :

- **reduction of construction costs** (possibility of eliminating second stage heating in the peripheral zone, less diffusers )
- **energy saving** (destratification of the heat between the floor and ceiling)
- **lower operation costs and reduction comfort related complaints**
- **reduction of insurance premiums related to fire hazards**