

AT YOUR WORKPLACE THERE IS

# SMART CONTROL OF INDOOR CLIMATE!

LINDINVENT®

# SMART INDOOR CLIMATE CONTROL

Do you sometimes think about the indoor climate? No? That might be because the building you are in is equipped with a Lindinvent system for smart indoor climate control at workplaces.

The system ensures a good climate and reduces energy usage. Your workplace is optimized for fresh air, heating, or cooling needs, with light control and sun protection as part of the system.

People, solar radiation, lighting, and other heat-generating equipment are loads your climate system handles. It cools primarily through under-temperature supply air, mixed above the occupied zone, allowing full floor use. Supply air volume gradually increases to maintain the desired room temperature.

Presence control via sensors and zoning adjusts air volumes, heating, and lighting.

Carbon dioxide control in sensitive areas can temporarily increase the air volume to ensure good air quality.

## CONTROL METHOD CHARACTERISTICS

### 1. CONTRIBUTES TO COMFORT

- Silence through uniquely low noise levels gives you peace of mind.
- Draft-free through supply air from diffusers designed to prevent cold air from falling and creating drafts..

### 2. AIR AND HEAT WHEN AND WHERE NEEDED

- Airflows are balanced and controlled according to demand.
- Additional heating or cooling is controlled so that the system does not cool and heat simultaneously.

### 3. HIGH AVAILABILITY FOR CUSTOMIZATION AND MAINTENANCE

- Network connection for access and troubleshooting.
- Possible integration of systems such as sun shading and more advanced lighting control.

### 4. REDUCED ENERGY USAGE

- Only necessary air volumes are heated or cooled.
- All available cooling effect from the supply air is used as "free cooling."
- In the absence of people, climate control is set to economy mode and lighting is adjusted.
- Energy stored in the building structure is reused in a controlled manner.

# DIFFUSERS IN A LINDINVENT SYSTEM



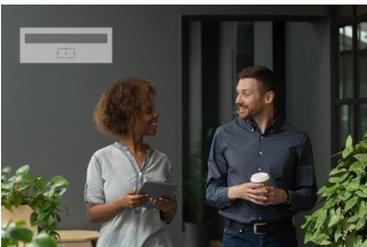
ISQ

*The diffuser has technical solutions for draft-free supply air. Models are available with or without control electronics.*



ISQ-F

*The diffuser has technical solutions for draft-free supply air. Models are available with or without control electronics.*



ISQ-V

*The diffuser reduces cold drafts but has limitations compared to ceiling diffusers, with less ability to mix room air with supply air. Consider placement when furnishing. ISQ-V is equipped with control electronics.*



TTC

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