

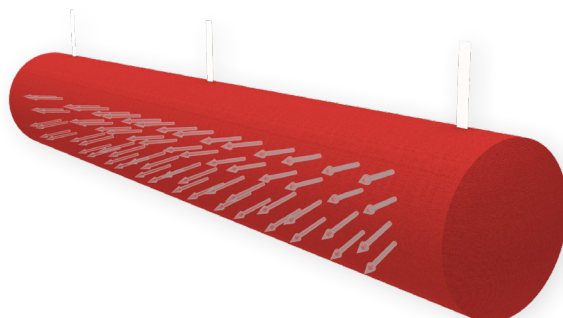
TEXTILE DUCTS

TEXI SOFT

The **Texi Soft** textile duct has been designed for low speed diffusion ($< 1\text{ m/s}$). This diffusion is made through a porous fabric on the entire length or on part of the duct.

This technology is based on the phenomenon of airflows moving according to temperature differences. Its operating principle is to gradually fill the room.

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AVANTAGES

- Diffusion suitable for high airflow rates (up to $3,000\text{ m}^3/\text{h}/\text{m}^2$).
- Excellent comfort thanks to very low residual air velocities ($V_r < 0.3\text{ m/s}$)
- Very low particle shedding

TECHNICAL CHARACTERISTICS

Diffusion principle	Low-velocity distribution: by porosity
Filtration	Mandatory: efficiency filters of class ePM10 $\geq 50\%$ (according to ISO 16890, approximately equivalent to the former F7–F9)
Air treatment	Cooling, heating, ventilation
Height	$< 4\text{ m}$
Air throw	$< 3\text{ m}$
Discharge velocity	$< 0.3\text{ m/s}$
Color	Available in a range of color finishes

TEXTILE DUCTS

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APPLICATIONS



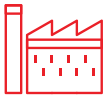
Cleanrooms and laboratory environments

Controlled-atmosphere zones requiring uniform and highly consistent air distribution



Food industry applications

- Ripening and maturation rooms where air quality is critical,
- Maturation rooms where air quality is critical

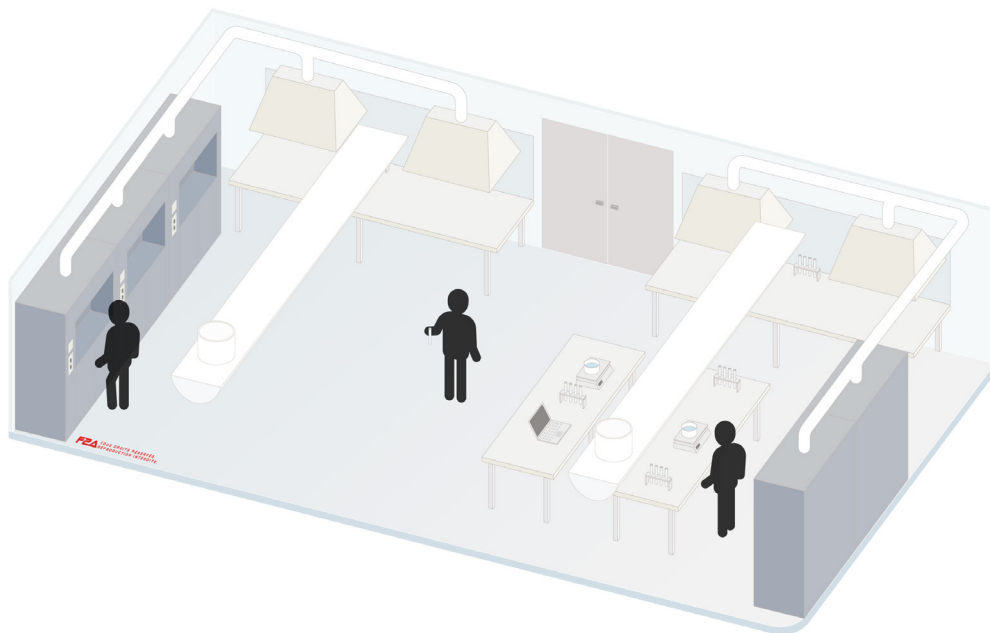


Industrial areas with sensitive production processes

- Paint booths,
- Wood industry



Commercial buildings



LIMITS OF USE

- The sizing of the ductwork and of the ducts (quantity, length, positioning of the porous arc) must be set at the beginning of the project.
- Heating only
- Not recommended in public-access facilities