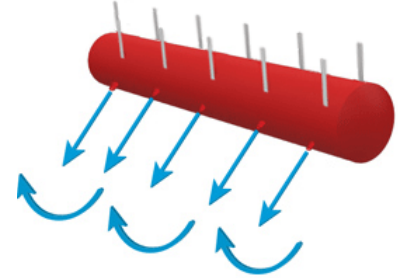


TEXI-BUZ

DIFFUSION THROUGH CONICAL NOZZLES

The TEXI-BUZ textile duct has been designed for very high-speed air diffusion ($15 < V < 25$ m/s). This diffusion is ensured through rows of conical nozzles designed for your project by our aeraulic engineering department.

This technique, based on very high induction (rate > 50), offers an excellent air diffusion efficiency (heating and cooling) even for very high premises.



APPLICATIONS

Air-conditionning (“heating and cooling”) of large volume premises

- Warehouses
- Factories...

Heating of storage premises and high industrial premises needing a homegenous and controlled temperature.

Cooling of high premises for long throws or local applications.

ADVANTAGES

- High induction when heating(> 50). Control over residual air velocities and excellent comfort even with high ΔT .
- High efficiency for the heating of high premises ($H > 10$ m). Even with mixing rates below 2 vol/h
- Large throw when cooling (up to 40 m)
- Induction ducts do not clog.

RECOMMENDATIONS AND LIMITS OF USE

The sizing of the network and of the ducts (quantity, length, nozzles plan) must be set at the beginning of the project.

- To be avoided for height $H < 8$ m
- To be avoided for throws < 10 m
- To be avoided in case of low residual velocity requirement

Nozzles are very efficient when large air throws are needed.

Additional perforations are advised to guarantee a homogenous diffusion throughout the premises.

POSSIBLE FABRICS

All fabrics having a permeability below 100 l/m²/s under 120 Pa as well as technical PVC fabrics can be used.

F2A Codification	Type of fabric	Weight +/- 5% (g/m ²)	Standard colour	Permeability under 120 Pa (l/m ² /s)	Characteristics
PM1/E - 60	Polypropylene M1 fire rating <i>Resistant to fungi and bacteria in accordance with DIN EN ISO 846 and VDI 6022</i>	60	White	70	Washable in machine (one washing only) according to our instructions
PM1/E - 160	Polyester M1 fire rating (available without fire rating)	140	White**	20	Washable in machine according to our instructions
PVC - M1	Double faced polyester coated with PVC M1 fire rating (available without fire rating)	550	White	0	Washable with high pressure jet
VPU 550 - M0	Double faced fiber glass fabric coated with polyurethane M0 fire rating	460	Grey White Black	<1	Can be dusted off Non washable

Blanc	Black	Green close to RAL 6032
Grey close to RAL 7040	Blue close to RAL 5005	Red close to RAL 3020

*Standard colours PVC
PVC M1 in white only

	White	
Yellow close to RAL 1023	Blue close to RAL 5005	Red close to RAL 3020
Green close to RAL 6032	Blue close to RAL 5012	Grey close to RAL 7040

**Standard colours PM1 160g

The indicated colours only apply for the fabric itself.