

INDUSTRIAL COOLING

ITALFOG systems are installed with enormous advantages for air-conditioning of large indoor areas due to high benefits and reduced energy consumption.

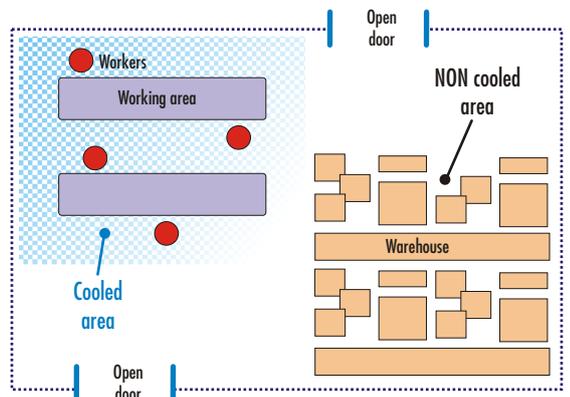
Air conditioning of large industrial warehouses, including those which need to operate with open doors and windows, was until now impossible with conventional systems. Today, however, ITALFOG misting systems becomes ideal for cooling large areas (industrial sheds, garages, workshops) or to dissipate high heat emissions from industrial processes (foundries, machinery). Cooling effect can also be combined with humidity control to increase productivity in specific industries (paper, wood, textiles).

Water is sprayed under pressure by special patented nozzles capable of generating very fine droplets, of less than 10 microns, which are immediately absorbed by the air without wetting surfaces and objects below. The results are significant: low cost of installation and operation, immediately effective, cooling effect is located only in areas of interest, possibility of installation in an enclosed, semi-open and open environment.



LOCALIZATION = SAVINGS

It is possible to locate the cooling effect where needed, without necessarily cover the whole area, saving on installation costs.



Immediate cooling effect.



ADVANTAGES

Benefits arising from the use of misting systems for industrial cooling are considerable:

- Increase overall productivity of your staff
- Air conditioning in localized areas of interest
- Control of dust, gases, fumes and other harmful emissions
- Immediate temperature reduction
- Installation costs reduced by 75%
- Considerable energy savings
- Easy and cheap maintenance
- Reduction of heat stress (see EC rules)



MINIMUM COSTS

Important aspect of misting systems are highly limited costs if compared to traditional industrial air conditioning. Installation is easy and fast since systems are supplied in modular kit, with polyamide tubing and quick couplings. Italfog systems are designed to operate at low running cost and requires minimum maintenance requirements.

Minimum operating costs.

less Kw less Maintenance

The convenience you can see immediately.

Comparison between traditional industrial air conditioning systems and Italfog mist cooling (example values)

System type	System cost	Installation time (hours)	Electric power consumption	Maintenance costs	Volt	Performance with open doors
Traditional adiabatic	**	24	6 Kw	**	380	BAD
Heat exchange	*****	36	40 Kw	***	380	BAD
ITALFOG	*	8	2 Kw	*	230	GOOD