Windblade™ Air Knife

Pure aerodynamic efficiency



effepizeta™
BLOWER SOLUTIONS

Windblade™ Air Knife

Directly from the extensive experience of Effepizeta

The Windblade™ Air Knives are designed to generate a uniform high-speed airflow and achieve its maximum efficiency and performance when combined with an Effepizeta blower.



AVAILABLE IN VARIOUS SIZES AND CONFIGURATIONS

FITTINGS TO AID INSTALLATION

ADJUSTABLE SLOT FOR UNIFORM GENERATION OF THE HIGH-SPEED AIRFLOW

ANODIZED ALUMINUM ALLOY CONSTRUCTION

STAINLESS STEEL VERSION FOR MORE AGGRESSIVE ENVIRONMENTS

Goal: maximum airflow efficiency

The function of the Air Knife

Air knives are devices used as accessories for side channel blowers, of which Effepizeta is a leading manufacturer, to convey the compressed air flow generated by the blower in a controlled, uniform and directional way.

Why Effepizeta

As a result of detailed analysis on air flows and their interaction with the physical structure of the knife, the shape and internal/external geometry of the Effepizeta Air Knife has been designed to offer greater efficiency.
Acquired by years of knowledge in the field, Effepizeta guarantees a great experience in drying systems.



The benefits:

- GREATER EFFICIENCY
- HIGH SPEED
- UNIFORM AIR FLOW
- ADJUSTABLE SLOT
- ADVANCED AND FUNCTIONAL DESIGN
- MODULAR DESIGN
- EASY INSTALLATION
- NON CORROSIVE MATERIALS
- ZERO MAINTENANCE

The applications:

The Windblade™ Air Knife is perfect for the following applications:

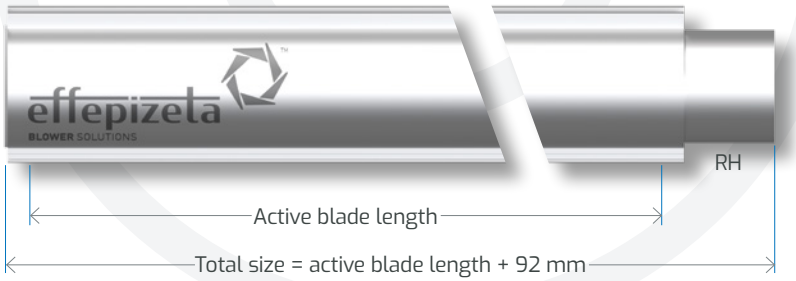
Drying
water removal, moisture residues remove

Cooling down
for plastic products and metal parts

Cleaning
material residue removal, dust and machining residue removal

The configurations

Standard right input



Left entrance and double entrance



Active length
from 150 to 2000 mm

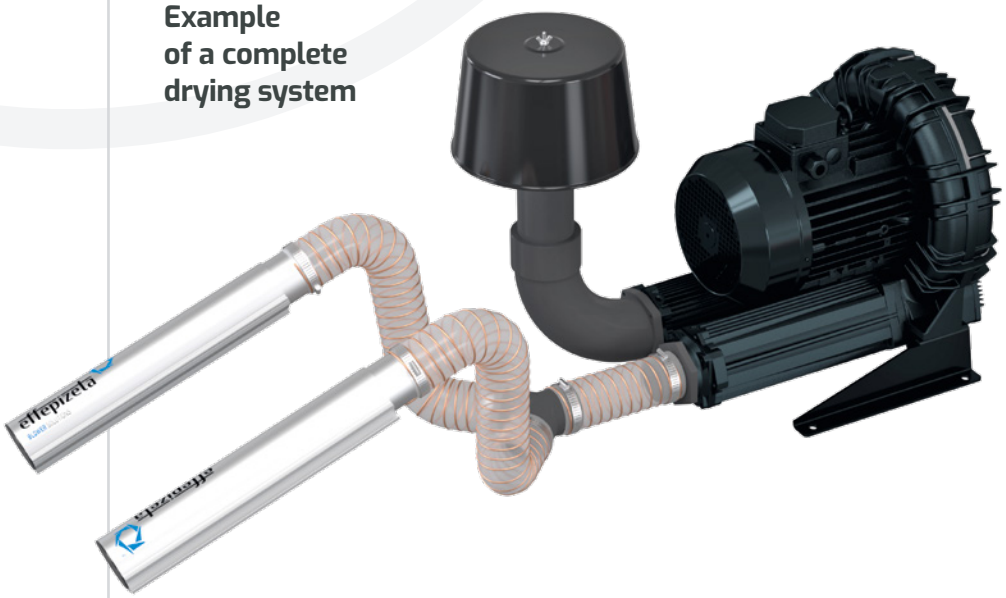
Total length
Active length + 92 mm

Connection
RH (standard) - LH - LH/RH

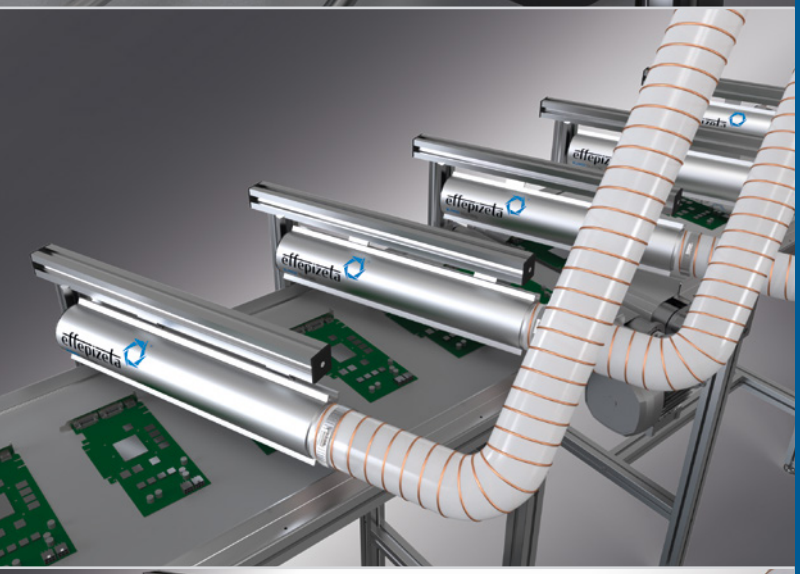
Connection diameter
75 mm

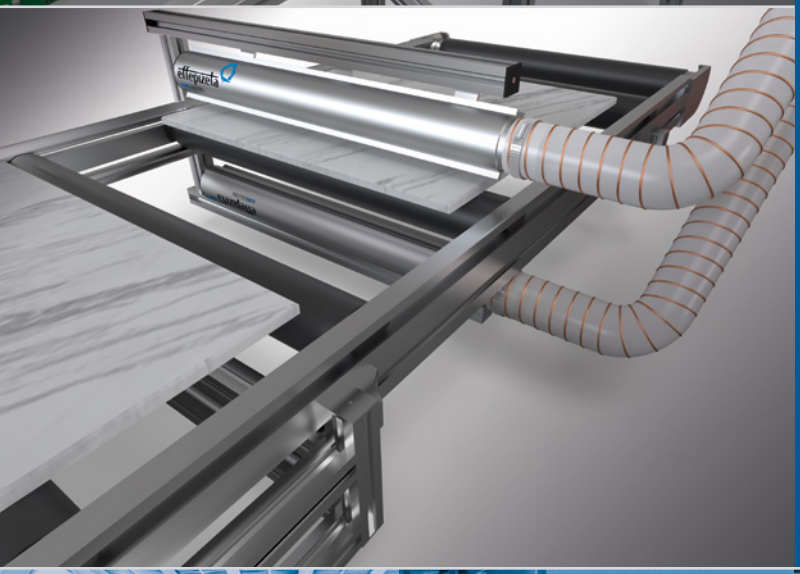
Material
Anodized aluminum

Example of a complete drying system









The sectors

Automotive
car paint drying

Chemical/Pharmaceutical
drying of plastic and glass packaging

Construction
drying of marble and tiles

Electronics
dust removal

Foundry
cooling and cleaning of ingots,
pipes and profiles

Food & Beverage
drying of glass bottles, jars, plastic bags packaging,
drying of fruit and vegetables

Rubber and metals
drying of rubber or metal components

Wood
cleaning the conveyor belt of the suction tables

Mechanics
chip blowing and tool coolant removal

Textile
drying of fabrics and materials



