

Windblade™ Air Knife

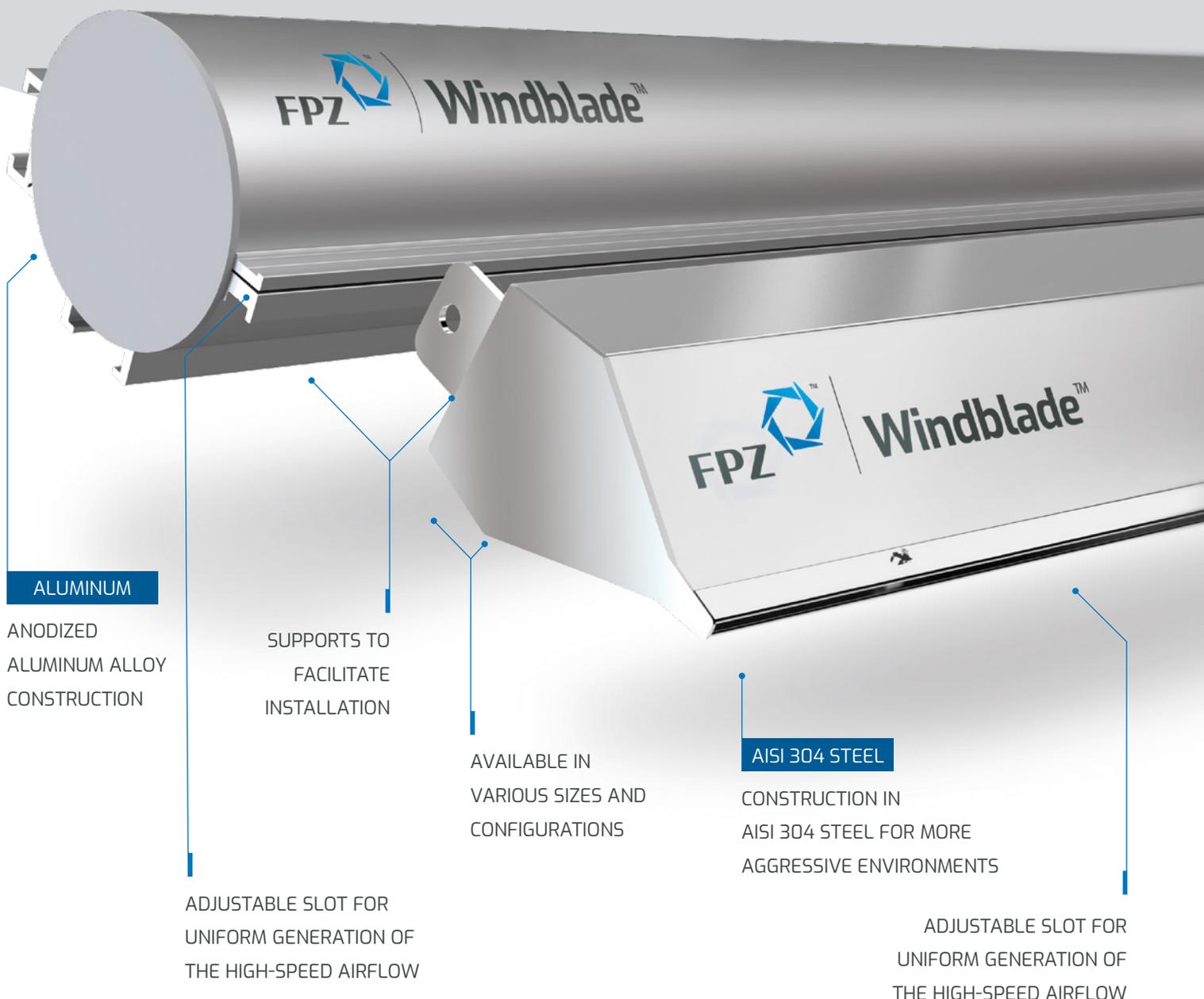
Pure aerodynamic efficiency



Windblade™ Air Knife

Directly from the extensive experience of FPZ

The Windblade™ air knives are designed to generate a uniform high-speed air flow, able to perform their function with maximum efficiency and performance, thanks also to the optimal combination with FPZ blowers.



Goal: maximum airflow efficiency

The function of the air knife

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

Why FPZ

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 FPZ Air Knife has been designed to offer greater efficiency. Acquired by years of knowledge in the field, FPZ guarantees a great experience in drying systems.



Benefits



GREATER EFFICIENCY



MODULAR DESIGN



HIGH SPEED



EASY INSTALLATION



UNIFORM AIR FLOW



NON CORROSIVE MATERIALS



ADJUSTABLE SLOT



ZERO MAINTENANCE



ADVANCED AND FUNCTIONAL DESIGN

Windblade™ Air knife

Aluminum

Functionality

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



Drying

water and residue removal



Cooling down

for plastic products and metal parts



Cleaning

material residue removal, dust and machining residue removal

The configurations

Standard right input



Active length

From 150 to 2000mm

Total length

Active length + 92mm

Connection

RH (standard) - LH - LH/RH

Connection Ø

75 mm

Material

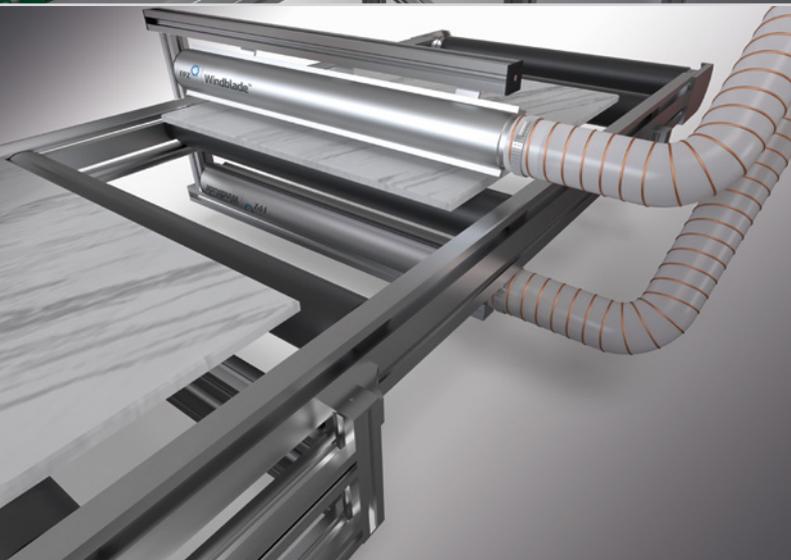
Anodized aluminum

Left entrance and double entrance



Example of 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

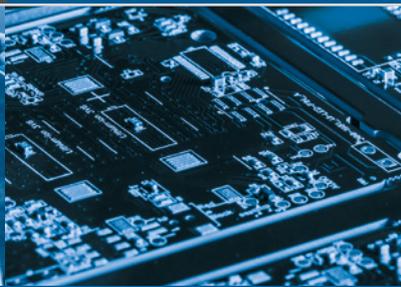
Food & Beverage
drying of glass bottles, jars, plastic bags packaging,
drying of fruit and vegetables

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



Windblade™ Air knife

AISI 304 steel

The features



Anticorrosion

Ideal for aggressive environments



AISI 304 steel

Construction in AISI 304 steel



Wide range of use

Ideal for drying, cooling and cleaning

The configuration

Active length

From 150 to 2000mm

Total length

Active length + 3mm

Connection

CH (standard) - LH - RH

Connection Ø

75 mm

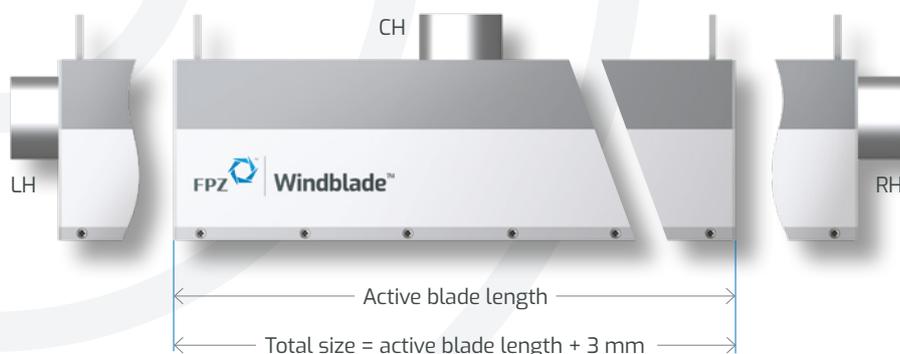
Material

AISI 304 steel

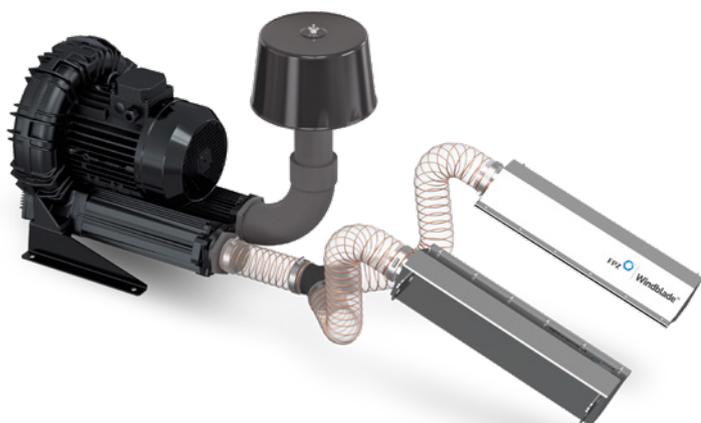
Left entrance

Central entrance

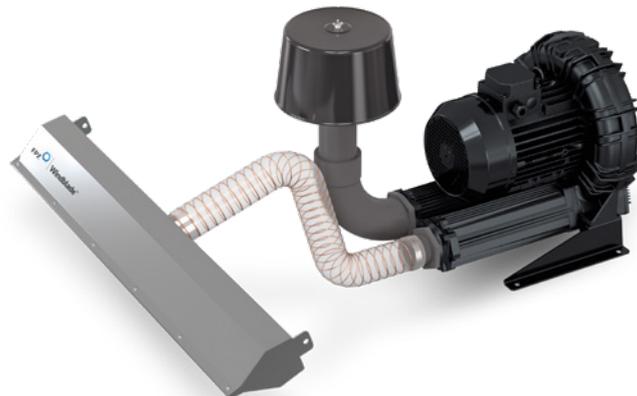
Right entrance

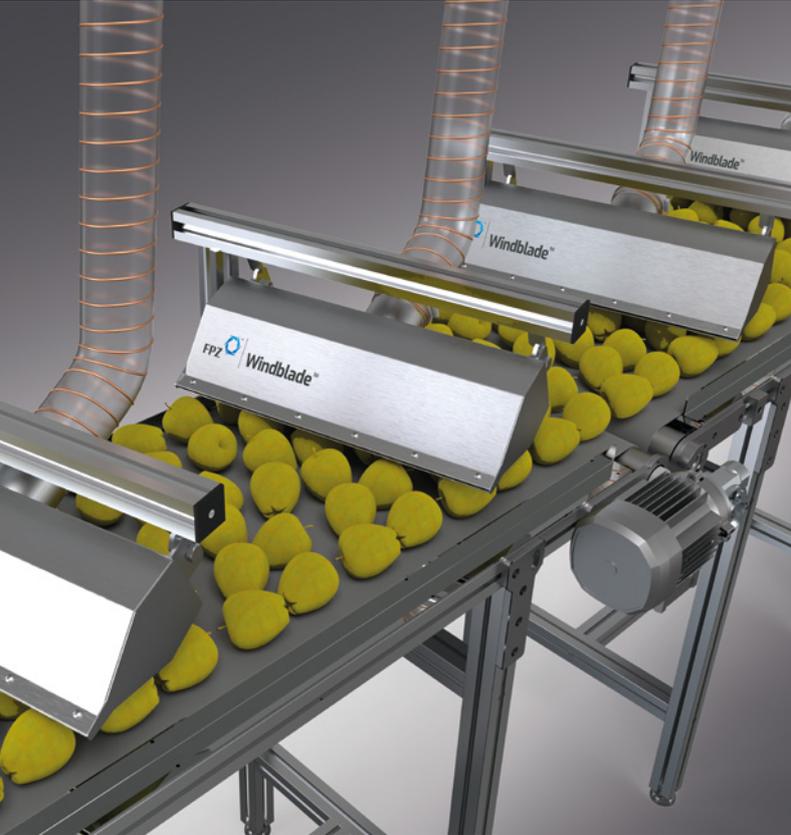
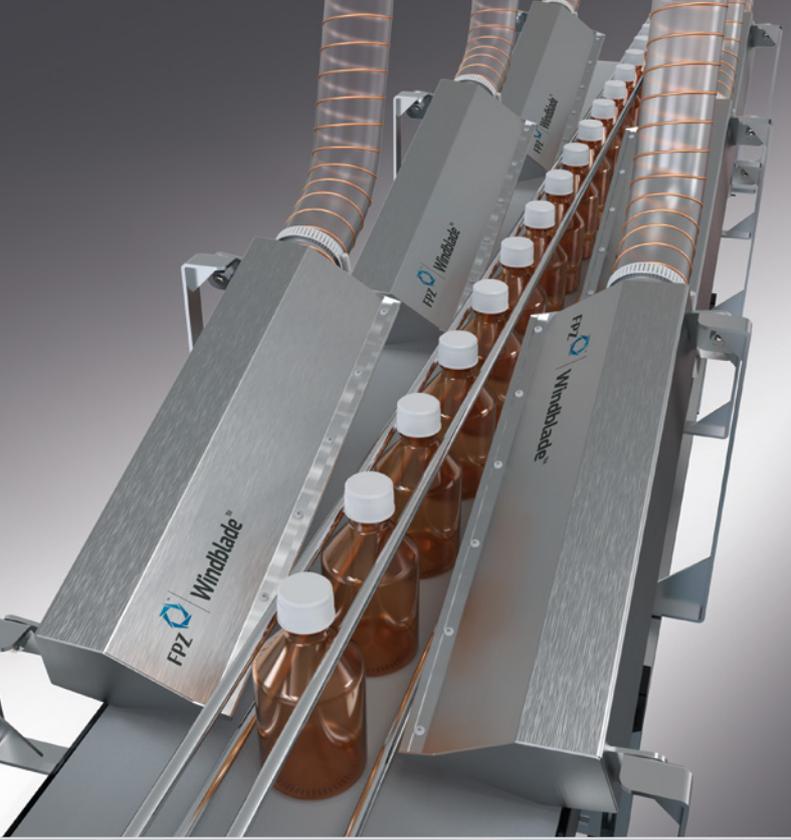


Configuration example for 2 single input blades



Central input configuration example





The sectors

Food & Beverages

Packaging drying (bottles, glass jars, plastic bags),
fruit and vegetable drying

Chemical - Pharmaceutical

Plastic and glass packaging drying

Galvanic

Products drying in aggressive environments

FPZ
Worldwide
sales network



Direct
presence

FPZ UK Ltd.
Andover Hampshire, UK

**FPZ Austria GmbH
& Germany**
Krems, Austria

FPZ France S.a.r.l.
St. Priest, France

FPZ España & Portugal
Spain

FPZ Russia
Moscow, Russia

FPZ Turkey
Istanbul, Turkey

FPZ, Inc.
Saukville, Wisconsin, USA

FPZ México
Zapopan, Jalisco, México

FPZ Middle East
Dubai, United Arab Emirates

FPZ APAC
Singapore

Agents and
distributors

Headquarter

FPZ
Concorezzo (MB), Italy

T. +39 039 690981
info@fpz.com

www.fpz.com

4
production plants

10
subsidiary branches

70
countries