

WING

YOUR INVISIBLE BARRIER

WING is the next generation air curtain created from a passion for a light and modern design representing characteristics of gliders.



Unique shape

A minimal casing with a streamlined form of a wing that seems to float in the air. The diamond style side panels hide the excellent components in an innovative curtain body to set new standards for air curtains. WING combines the unique design and excellent efficiency to redefine the air curtain image.

Quality and design

High quality materials, unique shape and rigid construction are the basic assumptions of the designers of the curtain. Simple cleaning of the curtain, double protective coating and efficient and durable EC motor ensure trouble-free operation of the device.

Energy efficiency

- » highly efficient EC motor
- » maximum unit efficiency even at reduced speed
- » smooth speed regulation
- » optimal fan shape and EC motor let save up to 40% of energy



HMI WiFi Wing controller

- » modern and compact design
- » high contrast and clear screen
- » advanced calendar for each day of the week
- » door sensor cooperation
- » wireless communication with a smartphone
- » preset 3-levels speed control
- » build-in thermostat
- » 3-levels of heating power
- » up to 8 air curtains connected with the one controller



DOOR OPTIMUM function

Door Optimum function allows the WING to maintain full protection of the door opening and at the same time optimize costs associated with its operation. It keeps the air curtain operating at minimum speed and continues to protect the door, from the outside air, once the door begins opening it also increases the speed of air by +1 or +2 levels, depending on user's preferences.

Product range

WING **W**

WATER HEAT EXCHANGER

HEATING POWER RANGE:
4 – 47 kW

EXHAUST FLOW RAT:
1850-4400 m³/h

MAXIMUM AIR COVERAGE:
3,7 m

WING 100/150/200



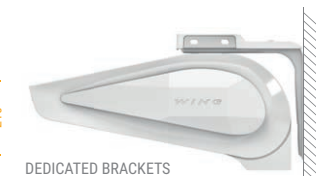
WING **E**

ELECTRIC HEATER

HEATING POWER RANGE:
2 – 15 kW

EXHAUST FLOW RAT:
1850-4500 m³/h

MAXIMUM AIR COVERAGE:
3,7 m



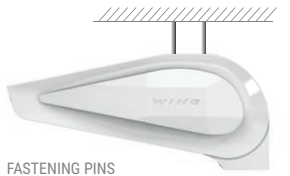
DEDICATED BRACKETS

WING **C**

WITHOUT HEAT EXCHANGER [AMBIENT]

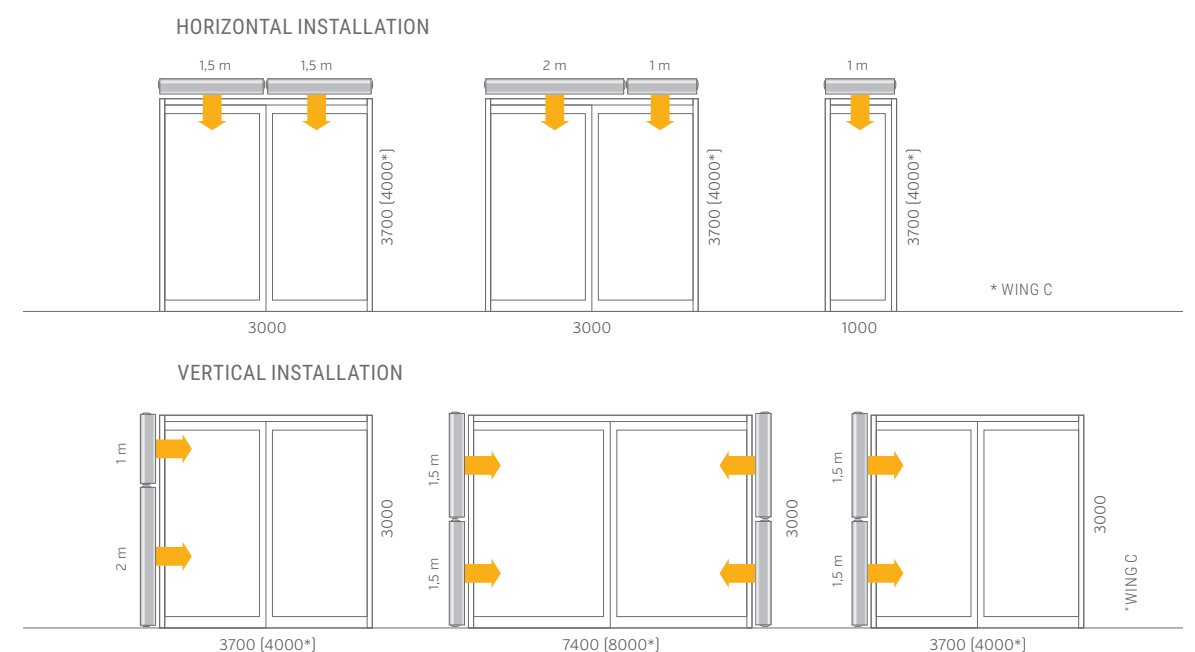
EXHAUST FLOW RATE:
4 m

EXHAUST FLOW RAT:
1950-4600 m³/h



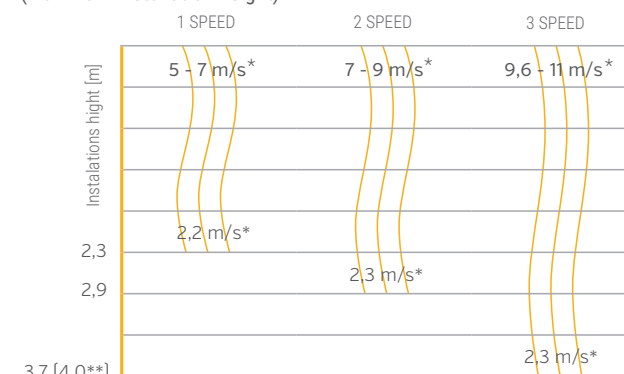
FASTENING PINS

* width does not include side covers



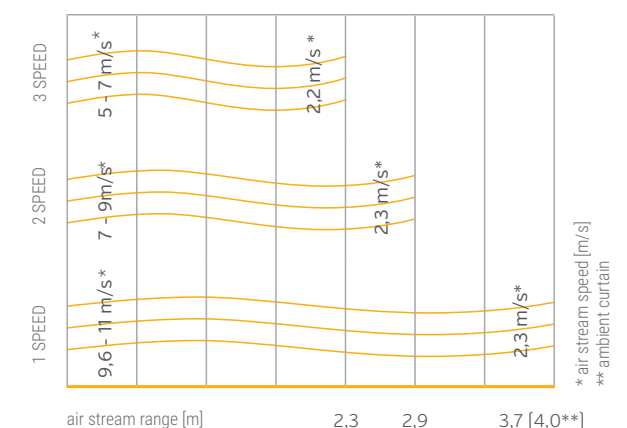
Stream range

Vertical air stream range (maximum installation height)



* air stream speed [m/s]
** ambient curtain

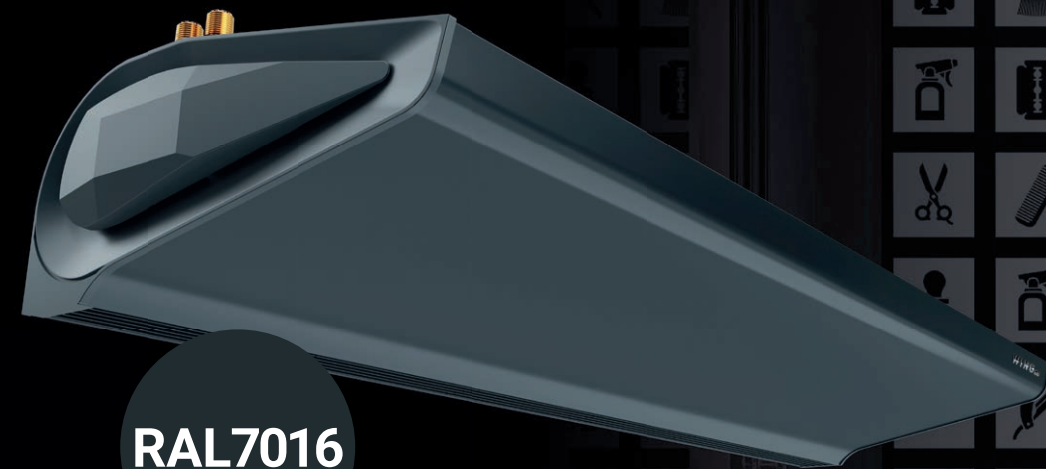
Horizontal air stream range (for vertical installation)



* air stream speed [m/s]
** ambient curtain

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RAL7016

NO MORE COMPROMISES

The color RAL7016 is currently the most commonly used color in the residential construction industry. Color will no longer stand in the way of the designer's vision. WING DARK RAL7016 will effectively complement roof, doors, windows and gates.



Technical parameters

PARAMETERS		WATER AIR CURTAIN						ELECTRIC AIR CURTAIN						AMBIENT AIR CURTAIN																							
		W100		W150		W200		E100		E150		E200		C100		C150		C200																			
		AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC	AC	EC																		
Colour ○ WHITE (RAL 9016) ● DARK (RAL 7016)		○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●																		
VTS article No.		1-4-2801-0250	1-4-2801-0299	1-4-2801-0259	1-4-2801-0308	1-4-2801-0251	1-4-2801-0300	1-4-2801-0260	1-4-2801-0309	1-4-2801-0252	1-4-2801-0301	1-4-2801-0261	1-4-2801-0310	1-4-2801-0253	1-4-2801-0302	1-4-2801-0262	1-4-2801-0311	1-4-2801-0254	1-4-2801-0303	1-4-2801-0263	1-4-2801-0312	1-4-2801-0255	1-4-2801-0304	1-4-2801-0264	1-4-2801-0313	1-4-2801-0256	1-4-2801-0305	1-4-2801-0265	1-4-2801-0314	1-4-2801-0257	1-4-2801-0306	1-4-2801-0266	1-4-2801-0315	1-4-2801-0258	1-4-2801-0307	1-4-2801-0267	1-4-2801-0316
maximum door width (1 device)	m	1		1,5		2		1		1,5		2		1		1,5		2																			
maximum door height (vertical stream range)*	m	3,7						3,7						4																							
maximum exhaustflow rate	m³/h	1850		3100		4400		1850		3150		4500		1950		3200		4600																			
heating power range**	kW	4-17		10-32		17-47		2 lub 4/6		8/12		10/15		-																							
maximum temperature of heating agent	°C	95						-						-																							
maximum operating pressure	MPa	1,6						-						-																							
water volume	dm³	1,6		2,6		3,6		-						-																							
number of heat exchanger rows	pcs.	2						-						-																							
supply voltage	V/ph/Hz	~ 230/1/50						~230/1/50 for 2kW ~400/3/50 for 4/6kW		~400/3/50				~230/1/50																							
electric heating coil power	kW	-						2 and 4		4 and 8		5 and 10		-																							
electric heating coil current draw	A	-						6/max.9		11,5/max.17,3		14,5/max.21,4		-																							
motor power	kW	0,235	0,2	0,375	0,3	0,58	0,47	0,235	0,2	0,375	0,3	0,58	0,47	0,235	0,2	0,375	0,3	0,58	0,47																		
rated current	A	1,2	1,1	1,7	1,3	2,6	1,9	1,2	1,1	1,7	1,3	2,6	1,9	1,2	1,1	1,7	1,3	2,6	1,9																		
weight (without water)	kg	20,8	21,2	27,8	24,5	34,6	30,4	20	17,3	26,8	23,4	33,3	29,1	17,9	15,3	23,8	20,4	29,3	25,1																		
protection rating	IP	20																																			

Accessories



Sterownik HMI WING EC

VTS article No.	1-4-2801-0155
Motor support	EC
Power supply voltage	~230V/1ph /50Hz
Permissible load	1A for 230VAC 0,02A for 0-10V
Setting range	5...40 °C
Protection rating	IP 20



Controller WING EC WIFI

VTS article No.	1-4-2801-0156
Motor support	EC
Power supply voltage	~230V/1ph /50Hz
Permissible load	1A for 230VAC 0,02A for 0-10V
Setting range	5...40 °C
Protection rating	IP 20



Wall controller WING/VOLCANO

VTS article No.	1-4-0101-0438
Motor support	AC
Power supply voltage	6(3) V/ph/Hz
Permissible load	1A for 230VAC 0,02A for 0-10V
Setting range	10...30 °C
Protection rating	IP 30



Door sensor (reed switch)

VTS article No.	1-4-0101-0454
Contact configuration	NO
Switching current	500 mA
Switching voltage	max 200 V
Connection	screw



Door sensor adapter WING AC

VTS article No.	1-4-0101-0578
Power supply	~230V/1ph /50Hz
Rated imput power	1W
Protection rating	IP 55
Dedicated to curtains with AC motor. Adapter gives possibility to use Door sensor (1-4-0101-0454) with Wall controller (1-4-0101-0438).	



Valve with actuator

VTS article No.	1-2-1204-2019
Power supply voltage	~230V/1ph /50Hz
Opening	3/3 min
Kvs	4,5
Protection rating	IP 54



Flex. connection hoses (set)

VTS article No.	1-2-2702-0076
Lenght	0,6-0,9 m
Connection type	GW 3/4"
Max. fluid pressure	1,6 MPa
Min. working temperature for water	5 °C
Min. working temperature for glycol	-20 °C
Max. working temperature	130 °C
Set includes	hose (2 pcs) gasket (4 pcs)



Surface mounted box for HMI

VTS article No.	1-2-0393-1987
dimensions	100x100x70mm
type	surface mounted
color	RAL 9016
set includes	bracket and 2 screws



Smart entrance protection

INSIDE

- ← CHILLED AIR
- ← CLEAN AIR

OUTSIDE

- WARM AIR
- DUST
- INSECTS
- POLLUTION
- UNPLEASANT SCENTS

Noise level

Fan speed	Noise level	WING W100-200			WING E100-200			WING C100-200		
		1m	1,5m	2m	1m	1,5m	2m	1m	1,5m	2m
I	dB(A)**	52	53	56	49	51	55	53	54	57
II		55	58	61	51	56	59	59	62	61
III		57	59	62	58	58	60	62	63	63

* air stream range depends on curtain operation speed
** available heating power in the control option configuration: Wing E100 2 or 4/6kW, for Wing E150 8/12kW, for Wing E200 10/15kW
*** speed measurement conditions: semi-open space, horizontal installation on the wall, measurement performed 5 m away from the device



\$ COMPETITIVE
PRICE

 HIGH
QUALITY

OVER
1 000 000
UNITS
SOLD

EH CAD SELECTION TOOL



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