



AIREKA

Simple and innovative ideas for pneumatic automation



WHY CHOOSE AIREKA PRODUCTS

AIREKA

AIREKA is the new brand under which Stima S.p.A. has decided to gather a series of diverse products that share the common feature of being simple and yet innovative solutions to long- standing and complex issues, for which we believe the market does not offer adequate answers. The simplicity is the result of creative work, know-how, and extensive experience that the designers instilled in these products. So, special features make them one-of-a-kind. Always with a great focus on customers' demands.



Simian Project S.r.l. was started in 2007 as a result of the business flair and experience of Leonardo Lombardi as a designer in the automotive and packaging industries. Creativity, dynamism, and efficiency are the qualities that characterise both the products and the work methods of the company, by offering customers tailor-made solutions with quick turnaround time and high added value.
Made in Italy

AIREKA products are designed to meet the requirements of OEMs and end-users in the field of automation and in every industry.

They stand out for:

- Unique and innovative design
- High performance
- Robustness, ease of use and reliability over time
- Customizable in size and materials
- High quality standards and rigorous testing
- Employ of electronics

AIREKA products are supported by logistical and commercial benefits such as:

- Wide availability of standard products in stock
- No minimum supply lots required
- No minimum spend required
- Same day shipping option
- Technical support for each application
- After-sales technical support



**DISCOVER ALL
AIREKA PRODUCTS**

INDEX

SECTORS OF APPLICATION	4
PNEUMATIC COOLERS	
Serie VR / VRX / VR U-G	5
TABLE OF PNEUMATIC COOLERS	6
VR-100	VR-400G
VR-200	VRX-100
VR-300T	VRX-300
VR-300U	VRX-500
VR-200U	VRX-1000
VR-400U	
CONTROL UNITS	8 - 9
CENTRALINA XTRONIC 345 C	
CENTRALINA XTRONIC 345 T	
STAND-ALONE PNEUMATIC COOLERS	
Serie XTRONIC	10
KIT COOLING SYSTEM AIREKA	11
COOLING KIT CONFIGURATIONS	12
SPECIAL APPLICATIONS AND ACCESSORIES	14
AIR KNIVES	
Serie ABT / ABX / ABZ	15
TABLE OF AIR KNIVES	16
ABT-030	ABT-800
ABT-030PLUS	ABT-F1C
ABT-060	ABX-1000
ABT-100	ABX-1500
ABT-200	ABX-2000
ABT-240	ABZ-1000
ABT-400	ABZ-1500
ABT-600	ABZ-2000
SPECIAL APPLICATIONS AND ACCESSORIES	18

ADJUSTABLE AIR AMPLIFIERS	
AM-T Series	19
TABLE OF AIR AMPLIFIERS	20
AM-10T	AM-30T
AM-15T	AM-40T
AM-20T	AM-50T
AM-25T	
SPECIAL APPLICATIONS	22
AIR-SPEED 25	
AIRCLEAN 30	
ACCESSORIES	23
BLOWING NOZZLES	
Serie UGP/UGL/UGD/UGF/UGB	24 - 25
UGP 20A / UGP 20B	
UGP 45A / UGP 45B	
UGL	
UGD 18-I	
UGD 08 / UGD 12 / UGD 18 / UGD 30	
UGF 03 / UGF 04 / UGF 05 / UGF 06	
UGB 100 / UGB 300	
CONDENSATE SEPARATORS	
Serie HSC	26
HSC - T2	
ACCESSORIES	27

SECTORS OF APPLICATION



PNEUMATIC COOLERS

- MACHINE TOOLS / MACHINING
- AUTOMATIC MACHINERY / PACKAGING
- COMPOSITE MATERIALS
- MOULDING
- FOUNDRIES
- PRESSES
- PAPER PROCESSING
- TEXTILE
- LASER CUTTING
- TUBE EXTRUSION
- LINEAR MOTORS

AIR KNIVES

- PACKAGING
- MACHINE TOOLS / MACHINING
- WOODWORKING
- AUTOMOTIVE
- FINISHING
- FOOD
- PAPER PROCESSING
- TILES / CERAMICS
- INDUSTRIAL LAUNDERING



ADJUSTABLE AIR AMPLIFIER

- PACKAGING / AUTOMATIC MACHINERY
- MACHINE TOOLS
- WOODWORKING
- WELDING
- PHARMACEUTICAL
- WIRE EXTRUSION
- 3D PRINTERS



BLOWING NOZZLES

- DEVICES FOR BLOW-OFF AND CLEANING



PNEUMATIC COOLERS

SERIES VR / VRX VR U-G

The **VR / VRX / VR U-G Series coolers** are state-of-the-art solutions for compressed-air cooling based on the principle of the Vortex Tube.

The excellent performances of flow-rate and ΔT generated, the design, the fastenings that make them extremely versatile to mount, and the possibility to combine them in a patented system with the air amplifiers (to use the hot air flow), offer customers an innovative, effective, and inexpensive solution to cool down metal and plastic parts, electric and electronic control cabinets, and mechanical applications.

All this with a simple connection to the compressed-air line.

- ΔT up to -40°C for the cold flow and $+60^{\circ}\text{C}$ for the hot flow, in comparison to the temperature of inlet air
- Easy to install, thanks to flanges and magnetic supports
- Patented system of hot air's recovery to actuate an amplifier/conveyor
- Made of corrosion-resistant materials
- No moving part, so not subject to wear and tear
- No electricity or chemical substances required
- They do not cause either sparks or interferences
- Instant operation
- Reliable and maintenance-free



DISCOVER THE SERIES

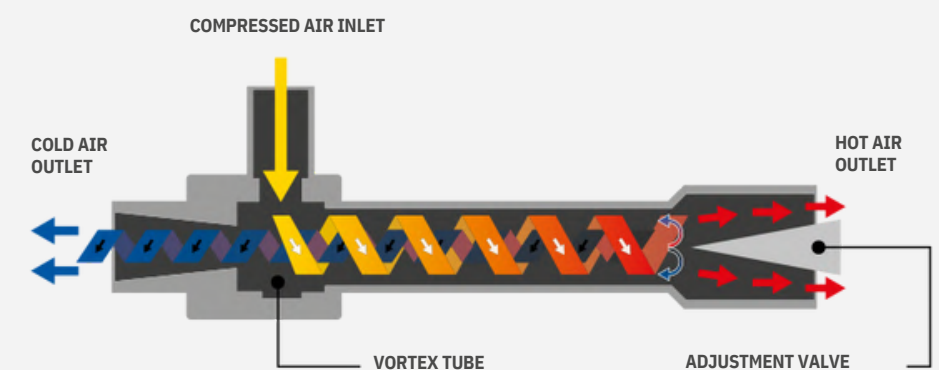
DESCRIPTION OF VORTEX TUBE

The Ranque-Hilsch tube, in the industrial sector better known as "Vortex tube", is a device that splits a compressed-air flow in 2 separate streams: one of cold air, and one of hot air.

The heart of the system is a small chamber, into which a jet of compressed air tangentially enters. The sides of the chamber have two outlets obtained by means of two pipes of appropriate length, one of which terminates with a valve. The other tube is separated from the vortex chamber by a diaphragm with a hole. Supplying compressed air and adjusting the valve causes cold air to flow out of one tube and hot air to flow out of the other. The ΔT generated is inversely proportional to the volume of the flow. The differences in temperature are considerable and can reach -40°C for the cold flow and 60°C for the hot flow.

In the industrial field the Vortex tubes have been employed for a long time and have found a variety of applications in which they offer a major added value. They have great cooling performances, are very easy to install and have instant operation, have no moving part and therefore are maintenance-free. Plus, they do not require electric power, so they are suitable for

dangerous environments and humid areas. If the application enables their use, they are price-worthier than electric coolers. Our coolers SERIES VR and VRX, beside the excellent performances in comparison to the other products in the market, were designed to be easily customized according to customers' demands.



Ranque-Hilsch tube (Vortex tube)

TABLE OF PNEUMATIC COOLERS

PRODUCT	CODE	OUTLET	MATERIALS	CONNECTIONS			RECOMMENDED TUBE Ø	COOLING POWER AT 7 BAR				CONSUMPTION
				Air inlet	Use (cold flow)	Exhaust air (hot flow)		Cold flow outlet temperature [°C]	[W]	[Kcal/h]	[BTU/h]	[NL/min]
	VR-100	Single	Nylon 6.6 and Brass	G-1/8" F	G-1/8" F	G-1/8" F	Ø -8x1	-28	120	100	400	154
	VR-200	Single	Nylon 6.6 and Brass	Ø -8x6	2 x G-1/8" F	2 x G-1/8" F	Ø -8x1	-28	240	200	800	308
	VR-300T	Ducted	Nylon 6.6 and Brass	G-1/4" F	3 x G-1/8" F	3 x G-1/8" F	Ø -8x1	-28	360	300	1200	462
	VR-300U	Ducted	Nylon 6.6 and Brass	G-1/4" F	G-1/2" F	3 x G-1/8" F	Ø -8x1	-28	360	300	1200	462
	VR-200U	Ducted	Delrin and Brass	G-1/4" F	G-1/4" F	G-1/4" F	Ø -8x1	-31	264	220	880	308
	VR-400U	Ducted	Delrin and Brass	G-1/4" F	G-3/8" F	G-1/4" F	Ø -10x1	-31	528	440	1760	616
	VR-400G	Blades, Belts	Delrin, Brass and ABS	G-1/4" F	5 mm	G-1/4" F	Ø -10x1	-31	528	440	1760	616
	VRX-100	Single	Nylon 6.6 and Brass	G-1/8" F	G-1/8" F	G-1/8" F	Ø -8x1	-31	132	110	440	154
	VRX-300	Single	Aluminium, Delrin100	G-1/4" F	G-1/2" F	G-1/4" F	Ø -10x1	-19	600	523	2075	750
	VRX-500	Single	Aluminium, Delrin100	G-1/4" F	G-1/2" F	G-1/4" F	Ø -10x1	-19	730	630	2500	900
	VRX-1000	Single	Aluminium, Delrin100	G-3/8" F	G-1/2" F	G-1/4" F	Ø -12x1	-19	1650	1417	5600	2025

CONTROL UNITS

XTRONIC 345 C

PNEUMATIC COOLER CONTROL UNIT

GENERAL FEATURES	
Supply voltage	24V DC
Probe length	1 Mt
Temperature range	-20°C +60°C
Humidity range	00% 100% RH
Accuracy	0.1°C , 0.1 % RH
Capacity	Max 10 A
Coil voltage and power	24 V - 3.1 W
Electric wire section	0.75 mm
Supply cable length	1.5 mt
Application	Inside cabinet



CONTROL UNITS

XTRONIC 345 T

PNEUMATIC COOLER CONTROL UNIT

GENERAL FEATURES	
Supply voltage	24V DC
Probe length	1 Mt
Time setting	Weekly / H24
Humidity range	00% 100% RH
Accuracy	0.1°C , 0.1 % RH
Capacity	Max 10A
Coil power	24V - 3.1 W
Electric wire section	0.75 mm
Application	Inside / Outside



STAND-ALONE PNEUMATIC COOLERS

SERIES XTRONIC STAND-ALONE

In addition to the range of standard coolers, market needs increasingly demand Stand-Alone devices, that is, devices that can independently manage their operation according to the temperature parameters of the environment in which they operate.. Therefore, we designed and developed the **XTRONIC** temperature-control units, which are available both for remote control and installed on pneumatic coolers.

In this way, all we will have to do is install the device inside our volume to be cooled, connect the pneumatic and electrical connections, and set the desired temperature range directly on the display of our controller. By doing so, our cooler will only come into operation when necessary, in order to do a proper job of maintaining temperature and thus avoiding unnecessary energy waste in terms of compressed air consumption. Our XTRONIC control units can also be customized according to specific needs.

- ΔT up to -40°C for the cold flow and $+60^{\circ}\text{C}$ for the hot flow, in comparison to the temperature of inlet air
- Easy to install, thanks to magnetic supports
- Reliable and maintenance-free
- No electricity or chemical additives required
- Instant operation
- Cold air distribution kit on request



DISCOVER THE SERIES

KIT COOLING SYSTEM AIREKA

Aireka cooling kits are the plug and play solution for cooling large and small electrical cabinets and control boxes.

High temperatures can cause malfunctions and even failures to electrical cabinets, eventually resulting in downtime.

Our cooling systems are designed to cool where it is most needed, on the heating sources, thus enabling efficiency and energy savings. In addition to a pneumatic cooler with electronic control, our cooling kits include a filter-regulator, a tube for distribution of the cold air, a device for hot-air extraction, and a bracket for installation.

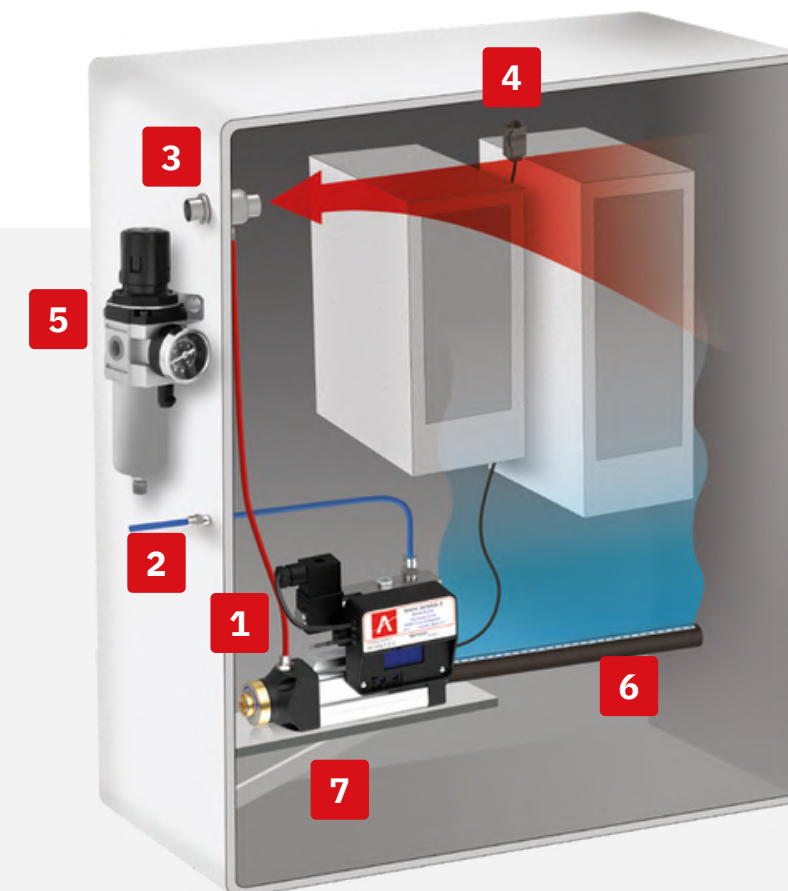
Several versions of kits are available, to adapt to different cabinets' sizes.

- Protection of components from over-temperature damage
- Entirely customizable
- Ultimate savings in electricity and compressed air
- Maintenance-free
- Cabinet internal overpressure against dust ingress
- No condensation
- Fast installation
- No space required outside the cabinet



FEATURES

Compressed air supply	3 ÷ 4 bar
Cooler's activation time	8 ÷ 10 seconds
Temperature range	ON = 36 degrees / OFF = 32 degrees (adjustable)
KDA system in triple insulation for cooled air distribution	
COOLER AIR SAVING SYSTEM for hot fraction recovery from the cooler, to feed the ESR60 heat extractor located in the upper area of the cabinet	



- 1 VRX300 XTRONIC pneumatic cooler
- 2 Compressed air inlet
- 3 Cooler Air Saving System
- 4 XTRONIC temperature probe
- 5 Filter-regulator
- 6 KDA Cold air distribution
- 7 Bracket

- Hot air
- Cold air

COOLING KIT CONFIGURATIONS

	Cabinet size [mm]	Components	Cooling power	
			[W]	[BTUH]
Mini cabinet kit	300 x 400	1/8" pressure regulator + filter	132	440
		VRX100 XTRONIC cooler		
		AC28 tube		
		AM-15T air amplifier		
	400 x 600	AC32 filter	264	880
		1/8" pressure regulator + filter		
		VR200U XTRONIC cooler		
		AC34 tube		
	600 x 800	AM-15T air amplifier	528	1760
		AC32 filter		
		1/4" pressure regulator + filter		
		VR400U XTRONIC cooler		
Small cabinet kit	800 x 1200	AC47 tube	600	2075
		ESR60 heat extractor		
		1/4" pressure regulator + filter		
		VRX300 XTRONIC cooler		
Medium cabinet kit	1000 x 2000	KDA 500 1/2" tube	730	2500
		ESR60 heat extractor		
		Bracket AC59		
		VRX500 XTRONIC cooler		
Large cabinet kit	2000 x 2000	KDA 500 1/2" tube	1650	5600
		ESR60 heat extractor		
		Bracket AC59		
		VRX1000 XTRONIC cooler		
Pneumatic valves panel and electronic board kit	400 x 600	3/8" pressure regulator + filter	264	880
		VRX1000 XTRONIC cooler		
		KDA 1000 1/2" tube		
	600 x 800	ESR60 heat extractor	528	1760
		Bracket AC59		
		VRX1000 XTRONIC cooler		



SPECIAL APPLICATIONS AND ACCESSORIES



VRX300 + KDA
COLD AIR DISTRIBUTION



VRX300 + KDA
HOT AIR DISTRIBUTION



VRX500 MOTION
PLC CONTROLLED COOLER



RING COOLING SYSTEM



ESR60
HEAT EXTRACTOR
outside Ø 100 mm
inside Ø 60 mm



DIRECTIONAL NOZZLE



MAGNET

DIRECTIONAL NOZZLE (NON-INSULATED VERSION) COLD AIR OUTPUT				
Code	Connection	Nozzle Ø	N° Modules	Length [mm]
82021/8 1/8-3	1/8"	3	8	155
84041/6 1/2-9	1/2"	9	6	170

Other configurations available upon request

DIRECTIONAL NOZZLE (INSULATED VERSION) COLD AIR OUTPUT				
Code	Connection	Nozzle Ø	N° Modules	Length [mm]
AC28	1/8"	3	4	100
AC34	1/4"	3	4	100
AC47	3/8"	6	6	180
AC27	1/2"	6	6	180

MAGNET KIT	
Code	Component
KACM-VR100	VR100
KACM-VR200	VR200
KACM-VR300	VR300
KACM-VR246	VR200U-G / VR400U-G / VR600U-G
KACM-VRX100	VRX100
KACM-VRX300 / VRX500	VRX300 / VRX500
KACM-VRX1000	VRX1000

KDA INSULATED AIR DISTRIBUTOR		
Cooler	G = Connection	L = Length [mm]
VRX100	1/8"	250
VR200-U	1/4"	250
VR400-U	3/8"	250-500
VRX300-500-1000	1/2"	250-500-750-1000

Other configurations available on request

ESR60 HEAT EXTRACTOR		
Supply pressure [bar]	Consumption [Lt/min]	Air flow rate (Excluding inlet air flow rate) [Lt/min]
1	412	7918
2	633	9696
3	825	12803

AIR KNIVES

SERIES ABT / ABX / ABZ

The air knives **SERIES ABT** are one of a kind, thanks to their high blowing power, which is a result of the air flow on both sides of the blade, and thanks to their easy installation, by means of two

neodymium magnets and brackets, which make it possible to direct the knife according to all demands. These products are very effective for cleaning, drying, and cooling.

- Design geometries optimised to maximise the Coanda effect
- Double blow-off flow (both sides of the blade)
- Powerful, uniform flow, suitable for cleaning small and large surfaces
- Modular design and possibility of customization
- No moving parts, so maintenance-free



DISCOVER THE SERIES

DESCRIPTION OF THE COANDA EFFECT

The air amplifiers and the air knives exploit the Coanda effect. This phenomenon can be explained as the tendency of a fluid to follow the contour of a surface nearby. It is named after the pioneer of aerodynamics Henri Coanda,

who in 1936 patented some instruments that exploited the capacity to deviate a flow. The compressed air introduced in an amplifier or in an air knife is forced to pass through a reduced section, from 0.02 mm to 0.08 mm, and, by lapping

the surface nearby, the surrounding air is attracted towards the flow's direction, so that the volume of air becomes from 5 to 20 times bigger than it was at the inlet.

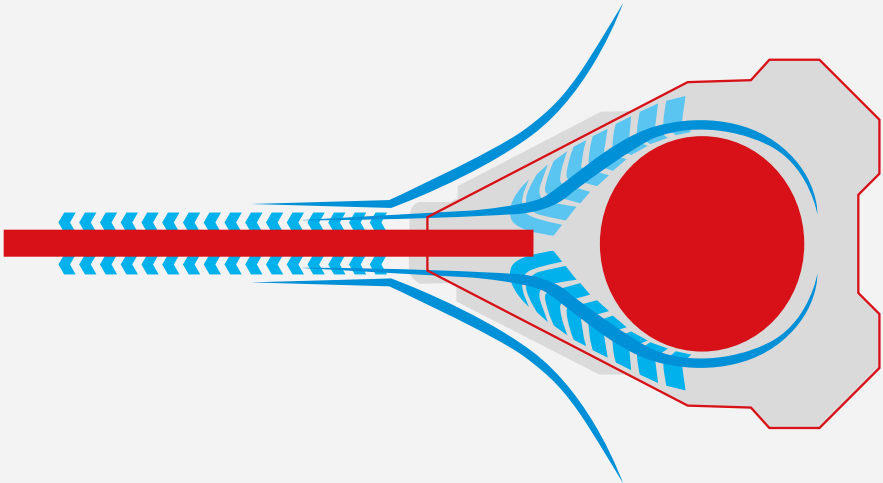


TABLE OF AIR KNIVES

PRODUCT	CODE	BARRIER LENGTH [mm]	AIR SUPPLY PORT	MATERIALS	THRUST* [G]	FASTENING	CONSUMPTION AT 7 BAR [NL/min]	MAGNET KIT (OPTIONAL)
	ABT-030	32	Ø-8	Anodized aluminium and AISI304		Optional angular bracket	710	KACM-ABT030
	ABT-030 PLUS	32	Ø-10	Anodized aluminium and AISI304	830	Optional angular bracket	1070	KACM-ABT030
	ABT-060	76	Ø-10	Anodized aluminium and AISI304	1162	Optional angular bracket	2140	KACM-ABT030
	ABT-100	100	Ø-10	Anodized aluminium and AISI304	1290	Integrated feet	1515	KACM-ABT100
	ABT-200	170	Ø-10	Anodized aluminium and AISI304	1900	Integrated feet	2663	KACM-ABT200
	ABT-240	218	Ø-10	Anodized aluminium and AISI304	1260	Integrated feet	1166	KACM-ABT100
	ABT-400	362	Ø-10	Anodized aluminium and AISI304	-	Integrated feet	5326	KACM-ABT200
	ABT-600	554	Ø-10	Anodized aluminium and AISI304	-	Integrated feet	7989	KACM-ABT200
	ABT-800	745	Ø-10	Anodized aluminium and AISI304	-	Integrated feet	7989	KACM-ABT200
	ABT-F1C (Single slot)	On request from 150 to 1200	Ø-10	Aluminium and Delrin	635	Integrated feet	566 every 100 mm	KACM-ABT200
	ABX-1000	1000	-	Anodised aluminium / Stainless steel	-	On request	-	-
	ABX-1500	1500	-	Anodised aluminium / Stainless steel	-	On request	-	-
	ABX-2000	2000	-	Anodised aluminium / Stainless steel	-	On request	-	-
	ABZ-1000	1000	-	Zinc-plated metal sheet	-	On request	-	-
	ABZ-1500	1500	-	Zinc-plated metal sheet	-	On request	-	-
	ABZ-2000	2000	-	Zinc-plated metal sheet	-	On request	-	-

Other sizes on request.

* Measured at 7 bar and 150 mm.

SPECIAL APPLICATIONS AND ACCESSORIES



ABT 200
WITH CONCAVE AND CONVEX LIP



ABT 030 PLUS
WITH SHAPED LIP



ABT 030 PLUS
WITH TUBE FOR CONNECTION
TO MACHINE TOOL



MAGNETIC SUPPORT KIT

MAGNETIC SUPPORT KIT

CODE	AIR KNIFE
KACM-ABT030	ABT-030 / ABT-060
KACM-ABT100	ABT-100
KACM-ABT200	ABT-200 / ABT-240 / ABT-400 / ABT-600 / ABT-800



FIXING BRACKET

FIXING BRACKET

CODE	AIR KNIFE
ABT-05	ABT-030 / ABT-060

CUSTOMIZED VERSIONS

We can make customized versions of shapes and materials upon request.

ADJUSTABLE AIR AMPLIFIERS

SERIES AM-T

The **AM-T Series** air amplifiers offer excellent performance for both suction and blow-off. The quality of design and construction optimises the Coanda effect, so they use a small amount of compressed air to generate a powerful, high-speed flow. Their capability to perform both functions of suction and blow-off make them useful for many applications, including ventilating electric cabinets, conveying fumes and lightweight particles produced by machining, conveying and handling of light parts, drying, and cooling. When combined with the VR Series coolers, they create an effective patented system where, by conveying the hot air flow exhausted by the cooler to actuate an AM Series amplifier, the cooling power is optimized, so that to make it possible to draw hot air out of enclosures and ventilate closed areas to be cooled.

The flow-rate can be adjusted by simply turning the nut.

- Design geometries optimised to maximize the Coanda effect
- Adjustable flow-rate
- Wide section for suction and blow-off, suitable for a variety of applications
- Instant operation
- No moving part, so not subject to wear and tear
- No electricity or chemical substances required
- More efficient than venturis and ejectors
- It does not cause neither sparks nor interferences
- Reliable and maintenance-free



DISCOVER THE SERIES

DESCRIPTION OF THE COANDA EFFECT

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the surface nearby, the surrounding air is attracted towards the flow's direction, so that the volume of air becomes from 5 to 20 times bigger than it was at the inlet.

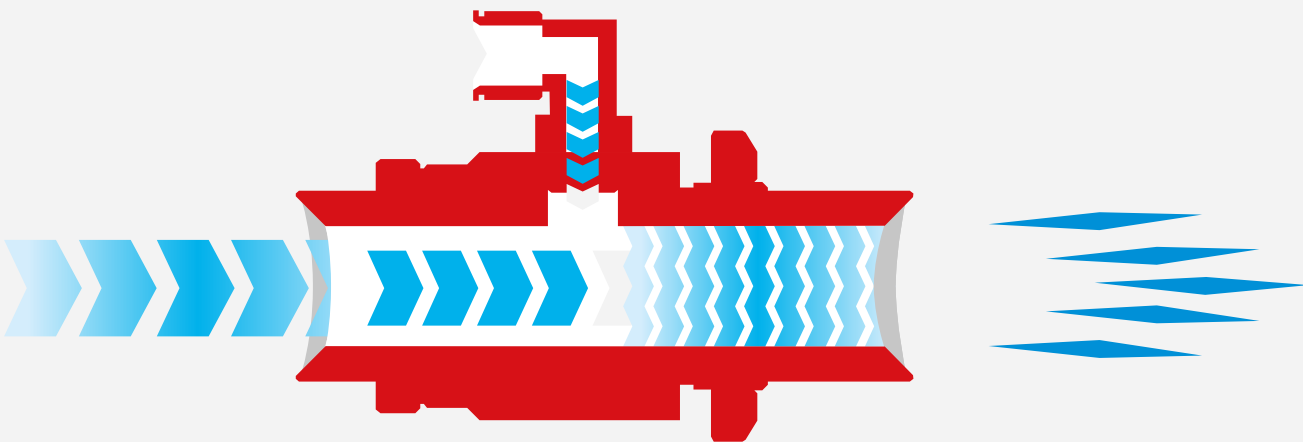


TABLE OF AIR AMPLIFIERS

PRODUCT	CODE	MATERIAL	CONNECTION			RECOMMENDED TUBE Ø	FLOW RATE* [Nl/min]	CONSUMPTION* [Nl/min]	AMPLIFICATION RATIO*	VACUUM* [mBar]
			SUPPLY Ø	INPUT Ø	OUTPUT Ø					
	AM-10T	Aluminium	G-1/8" F	19	19	Ø-6x1 - Ø-8x1	849,6	391	2,2	240
	AM-15T	Aluminium	G-1/8" F	19	19	Ø-8x1 - Ø-10x1	2265,8	509	4,4	180
	AM-20T	Aluminium	G-1/4" F	32	32	Ø-8x1 - Ø-10x1	3965	899	4,4	70
	AM-25T	Aluminium	G-1/4" F	32	32	Ø-10x1 - Ø-12x1	4414,9	1649	2,7	110
	AM-30T	Aluminium	G-1/4" F	38	38	Ø-10x1 - Ø-12x1	6830,6	2200	3,1	100
	AM-40T	Aluminium	G -3/8" F	50	50	Ø-12x1 - Ø-14x1	8663	3048	2,8	75
	AM-50T	Aluminium	G -3/8" F	63	63	Ø-10x1 - Ø-12x1	6500	2450	2,7	75

* Measured with 180° opening and pressure at 6 bar.

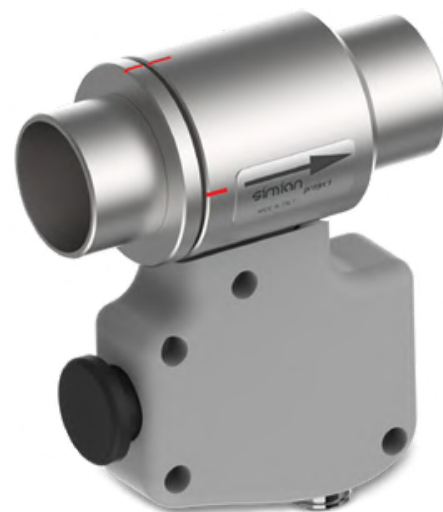
SPECIAL APPLICATIONS

AIR-SPEED 25

GENERAL FEATURES

Material	Aluminium
Supply connection	Ø 8 x 1
Inlet diameter	Ø 32
Outlet diameter	Ø 32
Supply pressure	Max. 7 bar

Blowing version available on request.



AIR-SPEED 25
SUCTION GUN

AIRCLEAN 30

FUNCTIONING PRINCIPLE

By opening the rear ball valve, the compressed air activates the AM-30T amplifier (recommended pressure: 3 - 5 bar), whose amplified and powerful flow gets out from the tapered outlet. The handle has length 1 m.

BENEFITS

- Manageability and robustness, as it is made of aluminium
- Reduced consumption, thanks to the air amplifier
- Powerful air flow

FIELDS OF USE

- Cleaning of large conveyor belts (waste sector, mining sector, etc.);
- Cleaning of hoppers in the construction industry, etc.;
- Cleaning of large components in the aeronautic, rail, and marine sectors;
- Cleaning of silos, metallic carpentry, etc.



AIR CLEAN 30
BLOWING LANCE

ACCESSORIES

STRAIGHT PUSH-IN FITTING FOR AIR SUPPLY

Code	Hose Ø	Thread	Air amplifier
S6510	6	1/8"	AM10-T
S6510	8	1/8"	AM10-T / AM15-T
S6510	10	1/8"	AM15-T
S6510	8	1/4"	AM20-T
S6510	10	1/4"	AM20-T / AM25-T / AM30-T
S6510	12	1/4"	AM25-T / AM30-T
S6510	12	3/8"	AM40-T / AM50-T
S6510	14	3/8"	AM40-T / AM50-T



ELBOW PUSH-IN FITTING FOR AIR SUPPLY

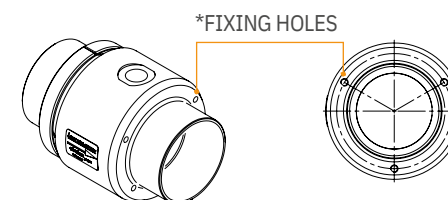
Code	Hose Ø	Thread	Air amplifier
S6520	6	1/8"	AM10-T
S6520	8	1/8"	AM10-T / AM15-T
S6520	10	1/8"	AM15-T
S6520	8	1/4"	AM20-T
S6520	10	1/4"	AM20-T / AM25-T / AM30-T
S6520	12	1/4"	AM25-T / AM30-T
S6520	12	3/8"	AM40-T / AM50-T
S6520	14	3/8"	AM40-T / AM50-T



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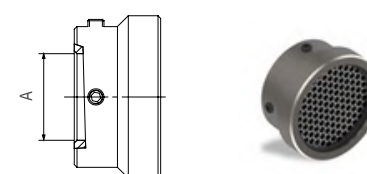
Code	Air amplifier
ABT-05T	AM-10T / AM-15T
ABT-05	AM-20T / AM-25T

*On request, with fixing holes



FILTERS FOR CABINETS

Code	Air amplifier	A Ø
AC32	AM-10T / AM-15T	19
AC31	AM-20T / AM-25T	32
AC26	AM-30T	38
AC43	AM-40T	50
AC44	AM-50T	63



BLOWING NOZZLES

DEVICES DESIGNED TO MEET NUMEROUS AUTOMATION NEEDS

5 DIFFERENT PRODUCT LINES:

- **Serie UGP** - linear blowing nozzles
- **Serie UGL** - nozzles for blowing/cleaning rectangular photocells
- **Serie UGD** - nozzles for blowing/cleaning sensors and tubular photocells
- **Serie UGF** - nozzles for blowing/cleaning optical fibers
- **Serie UGB** - nozzles for blowing/cleaning safety barriers



DISCOVER THE SERIES

Customizations in materials and dimensions are available upon request.



FLAT-FLOW NOZZLES UGP 20A- UGP 20B	
Material	Delrin and AISI304 stainless steel
Inlet port	G 1/8" M (UGP 20A) G 1/8" F (UGP 20B)
Flow width	20 mm
Supply pressure	1 ÷ 7 bar
Weight	18 g (UGP 20A) 12 g (UGP 20B)



FLAT-FLOW NOZZLES UGP 45A - UGP 45B	
Material	Delrin and AISI304 stainless steel
Inlet port	G 1/4" M (UGP 45A) G 1/4" F (UGP 45B)
Flow width	45 mm
Supply pressure	1 ÷ 7 bar
Weight	32 g (UGP 45A) 25 g (UGP 45B)

Also available in UGPA version with aluminium body.



UGL - BLOWING NOZZLE FOR RECTANGULAR PHOTOCELLS

BLOWING NOZZLES



NOZZLE FOR TUBULAR PHOTOCELLS UGD 18-I			
Material	Moulded Nylon		
Type	A	B	C
UGD -18I	M18x1	42	26

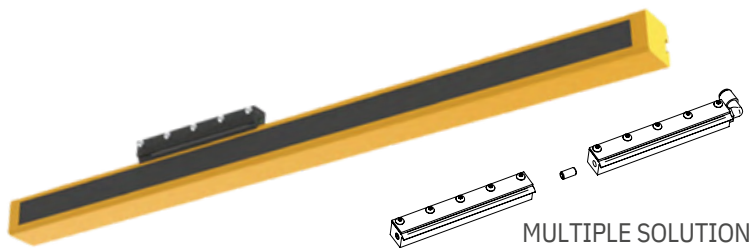


NOZZLE FOR TUBULAR PHOTOCELLS UGD 08 / UGD 12 / UGD 18 / UGD 30			
Material	Aluminium		
Type	A	B	C
UGD-08	M8x1	27	9
UGD-12	M12x1	32	11,5
UGD-18	M18x1	38	11,5
UGD-30	M30x1,5	50	13,5

Custom sizes on request.



NOZZLE FOR OPTICAL FIBER UGF 03 / UGF 04 / UGF 05 / UGF 06		
Material	Anodized aluminium	
Inlet fitting	Not included	
Dimensions	Ø A	Ø B
UGF 03	M3	12 mm
UGF 04	M4	15 mm
UGF 05	M5	15 mm
UGF 06	M6	16 mm



AIR KNIFE FOR LIGHT CURTAINS UGB 100 / UGB 300	
Material	Anodized aluminium / Delrin
Inlet fitting	Not included
Curtain width	100 mm / 300 mm

CONDENSATE SEPARATORS

SERIES HSC

The main strengths of the condensate separators **Series HSC** are effectiveness, reliability, and versatility.

The effectiveness in the removal of condensate is obtained through the particular design of the **DRYVOLUTION** system: thanks to a series of concentric flanges, assembled with a precise angle of incidence with respect to the direction of inlet flow, they generate a compressed air expansion (which takes place inside a chamber downstream of the flanges) that brings about a considerable decrease in the temperature and consequently the condensation of humidity. This is then directed to the bottom of the bowl.

Reliability comes from using neither chemicals nor power supply, as well as from the absence of moving parts (except for the automatic drain): performance is constant and maintenance is nearly zero.

Versatility is guaranteed by performance and construction features: the range covers a wide spectrum of capacities, and the materials used together with the assembly features make it an extremely durable product.

It is therefore ideal for installation in conjunction with coalescing filtration units for cleaning the air inside clean rooms, as well as for installation directly on board machines, on board trucks and agricultural machinery, as well as above pneumatic tools.

- Condensate separation by decreasing air temperature
- No moving part, except for the automatic drain
- Easy to install
- Made in technopolymer OT58
- One size with 3 flow-rate
- Maintenance-free
- Neither chemicals nor power supply
- No sparks nor interferences
- Instant operation



DISCOVER THE SERIES

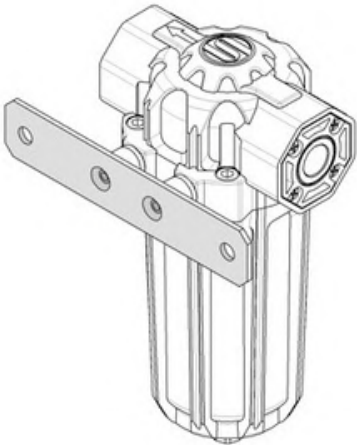
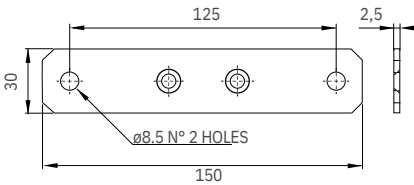


GENERAL FEATURES - HSC - T2

Type of functioning	Thermodynamic
Materials	Technopolymer
Ports	1/2" G (with bushings in brass)
Weight	500 g
Installation	Vertical
Operating temperature	--10°C + 50°C
Condensate drain	Automatic, by float
Medium	Compressed air
Operating pressure	Max. 12 Bar
Max. flow-rate (3 possible settings)	2950* NI/min at max. opening
Factory setting	Medium opening 1990 NI/min

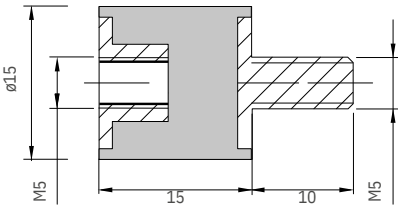
*values at P1= 6 Bar and Delta P= 0.5 Bar.

ACCESSORIES



WALL BRACKET

CODE	DIMENSIONS
HSC-13	150 x 30 x 2,50



ANTI-VIBRATION SUPPORT

CODE	DIMENSIONS
HSC-17	15 x 15 M5



AIREKA

Simple and innovative ideas for pneumatic automation

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