Air Amplifiers
Air Knives
Blowing Nozzles

Manifolds
Accessories

Specialist and manufacturer of blowing solutions

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PLEASE NOTE: The measurements presented in this datasheet were taken in a strictly controlled laboratory environment. It is important to understand that conditions in a real industrial setting may differ, and the pressure instability of an industrial compressor could lead to different values than those obtained in the laboratory. This data is provided for informational purposes only.

To achieve optimal air amplifier performance, we recommend a compressed air supply hose with a minimum inner diameter of 8 mm.

The value of amplified air uses Boyle's Law. Pressurized air has a smaller volume than relaxed air, expressed by the formula: $(P_1 \times V_1 = P_2 \times V_2)$. In our case, (V_1)=consumed air + intake air.

WHO WE ARE

NOVACOM is a French company based near Lille in the heart of Europe. **For over 30 years,** it has designed, manufactured and developed components for industry, supporting clients with projects in France and internationally.

The company offers a full range of solutions: standard or custom suction cups, single-stage, multi-stage, or anti-clogging venturis, pneumatic conveying systems, amplifiers and blowing nozzles, gripper heads, membranes, and numerous technical accessories. This diversity allows it to **meet the needs of major sectors** such as the **food and beverage industry, automotive, cosmetics, pharmaceuticals, and packaging.**

NOVACOM relies on its integrated design office to create solutions adapted to the most specific applications. Combining design, development, and manufacturing within a single organisation ensures reliable, high-performance, durable products while optimising production processes.

Always focused on innovation, **NOVACOM develops new approaches to improve energy efficiency**, ease of use, and equipment safety. This vision, combined with recognised experience and local support, makes NOVACOM a trusted partner for all industries in France and internationally.

THE COANDA EFFECT FOR EFFICIENT BLOWING

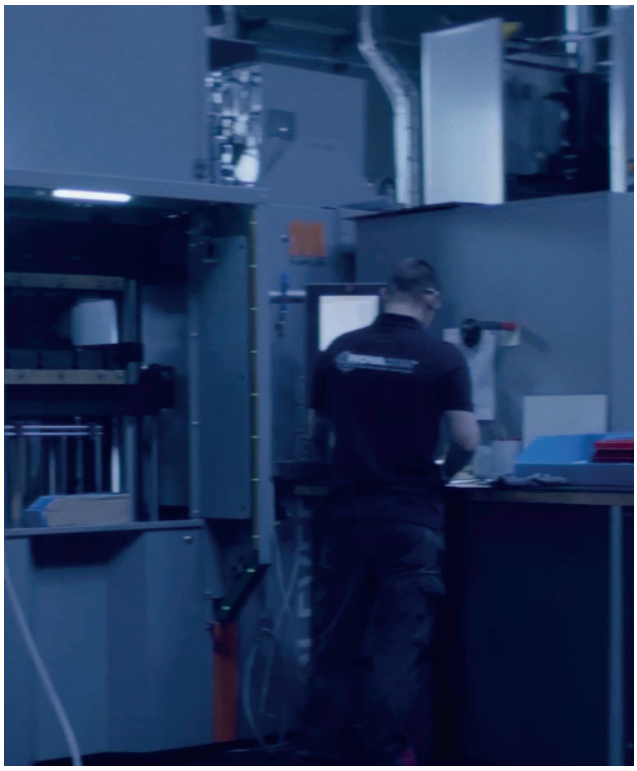
NOVACOM's blowing range uses the Coandă effect to optimize compressed-air consumption. This physical principle is based on the natural tendency of an air stream to follow the curved surface of an object. When applied to a nozzle or an air amplifier, it makes it possible to entrain and draw in a large volume of ambient air using only a small amount of compressed air.

Thanks to this technology, the indirect blow nozzles and air amplifiers in our blowing range produce a powerful, wide, and uniform airflow. This air jet is **ideal for removing dust, drying parts, cooling surfaces, or guiding products along a production line.**

The Coandă effect also significantly reduces compressed-air consumption, helping to lower energy costs and limit wear on pneumatic installations. The design of our components and the precision of our machining provide **improved acoustic comfort for operators—up to 50%** less noise compared with an open pipe.

NOVACOM solutions based on the **Coanda effect** meet the demands of industrial environments by combining performance, energy savings, and easy integration. Compatible with a wide range of accessories, they can be adapted to the constraints of each application.

NOVACOM ALSO HAS SEVERAL PRODUCTION FACILITIES: FOR ELASTOMERS AND THERMOPLASTICS, AS WELL AS MECHANICAL MANUFACTURING.



NOVAGOM, a company of the NOVACOM group, specializes in the production of elastomer parts for industrial applications. By combining its expertise and technical resources, the company operates several production units located directly on the group's site. This close proximity to NOVACOM's design office and experts ensures smooth communication, a clear understanding of requirements, and optimal responsiveness.

NOVAGOM manufactures a wide range of elastomer components, meeting the demands of **various sectors**, with the flexibility to handle both small, customized series and large production volumes. The full integration of the process – from technical definition to manufacturing – ensures strict control over quality and lead times.

Optimized stock management also guarantees constant product availability, reinforcing the reliability and service continuity expected by industrial customers.

NOVAMECA, a company of the NOVACOM group, specializes in the production of mechanical parts for a wide range of industrial environments. **Located on the group's site**, it is in direct proximity to the design office and NOVACOM's technical teams, ensuring smooth collaboration and quick adaptation to customer needs.Equipped with **high-performance production units**, NOVAMECA manufactures **precision components in both small and large series**. Its modern equipment and process control ensure consistent quality and controlled manufacturing lead times.

This synergy with NOVACOM allows for efficient responses to specific requests while ensuring reliable production continuity. Thanks to carefully managed stocks and supplies, NOVAMECA guarantees availability, responsiveness, and service aligned with industrial requirements.

Round jet air nozzles

Customer application example:
BS14 nozzle manifold for cooling parts as they exit the oven.

OPERATING PRINCIPLES

Round jet nozzles use the Coanda effect: a small flow of compressed air draws in ambient air, creating a reinforced airflow. This amplification enables high thrust for applications such as cleaning, cooling, or part ejection, while minimizing compressed air consumption and noise levels.

ADVANTAGES

Energy efficiency: significant reduction in compressed air consumption
Reduced noise compared to open pipe systems
Simplified maintenance thanks to optimized design
Direct installation on air guns or production lines
Compact format with high thrust, suitable for confined and demanding industrial environments

APPLICATIONS

Cleaning of belts and conveyors.
Drying of large surfaces.
Cooling of profiles or films.
Ejecting parts across multiple rows.
Ideal for integration into blowing manifolds or robots.
Used in the food processing, automotive, and packaging industries.

Through a very narrow round nozzle, **the device allows tiny amounts of compressed air introduced into the tube to escape**: the airflow then reaches near-sonic speed. As it exits the nozzle, this ultra-fast air jet creates a significant vacuum around it and simultaneously draws in all the surrounding air. As a result, the blowing force is amplified, leading to compressed-air savings.

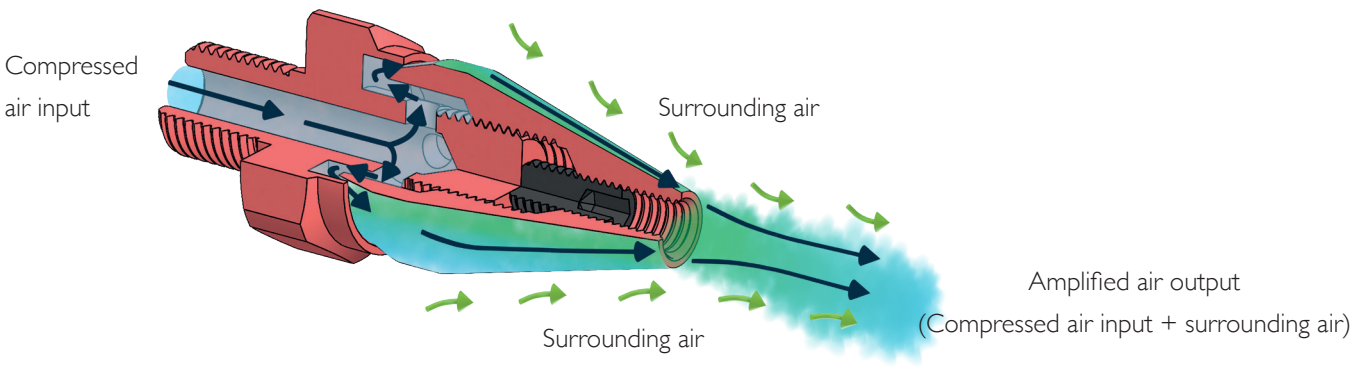
Air-saving blow nozzles use compressed air to perform essential tasks such as cooling, cleaning, or part ejection. They can be fitted onto air guns or installed along conveyor belts. Even in applications with moderate air usage, significant air savings can be observed. The air amplification phenomenon observed with these nozzles offers advantages not only in terms of cost but also performance.

They amplify the compressed airflow by **25 to 31 times** and generate high thrust while consuming only a fraction of the compressed air typically used by open pipe systems.

KEY BENEFITS:

- Reduced energy consumption
- Increased airflow amplification and lower noise
- No risk of clogging
- Fast return on investment
- Safety standards respected

SCHEMATIC DIAGRAM OF THE ROUND JET NOZZLE



Values are given in millimeters.
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Round-jet Nozzles

INDIRECT JET BLOWING NOZZLES

Achieve better blowing performance with lower compressed air consumption, saving costs.

Reduce consumption by up to 90% compressed air, depending on the model used, and cut noise levels by up to 40%!

REFERENCE	Pressure (bar)	Air consumption (l/min)	Thrust force (N)		Noise level (dB)	Blowing (l/min)	Connection	Weight (g)	Max. operating temperature
			at 150mm	at 450mm					
BS 18	6	600	7,5	6,9	88	**4080**	Male G1/8"	Anodized aluminium : 15 316L Stainless steel : 45	Anodized aluminium : 150°C 316L Stainless steel : 450°C
BS 14		840	7,5	6,6	90	**4070**	Male G1/4"	Anodized aluminium : 19 316L Stainless steel : 50	
BS 14-2		1430	17,6	17,6	90	**5720**	Male G1/4"	Anodized aluminium : 25 316L Stainless steel : 80	
BS F14		840	7,5	6,6	90	**4070**	Female G1/4"	Anodized aluminium :16	
BS 38		1650	18	16,3	90	**6115**	Male G3/8"	Anodized aluminium :100 316L Stainless steel : 300	
BS 12		3500	31,3	25,5	95	**7360**	Male G1/2"	Anodized aluminium :130 316L Stainless steel : 390	
BS 18 PM		360	4,1	3,9	86	**2800**	Male G1/8"	Brass : 11 316L Stainless steel : 10	
BS C		360	4,1	3,9	85	**2790**	Hose barb fitting Ø7,5mm	Brass : 9	Brass : 200°C

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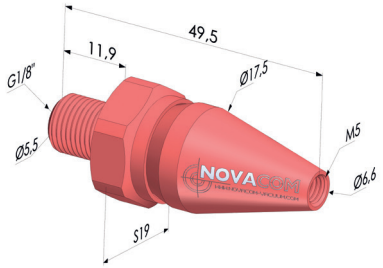
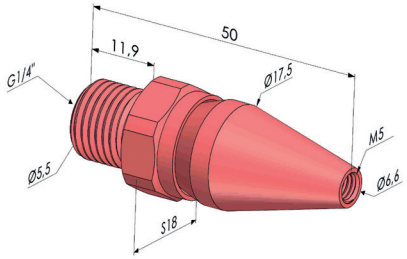
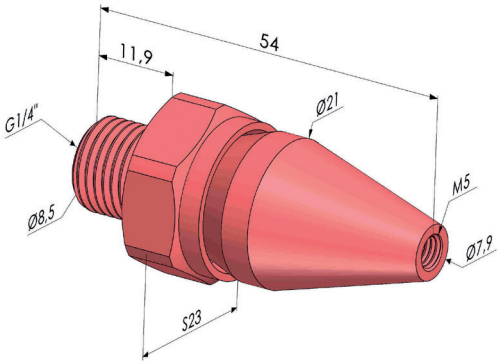


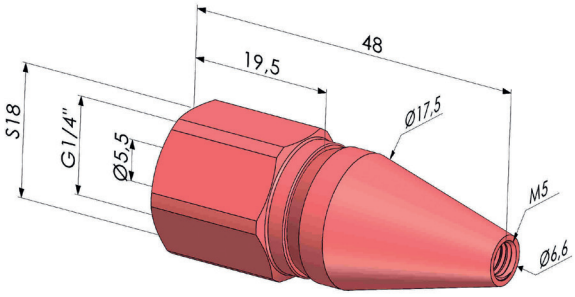
BS 12 Anodized aluminium
BS 12 ACI 316L Stainless steel



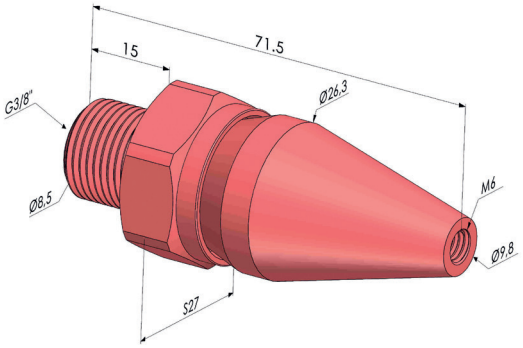
BS 14 Anodized aluminium
BS 14 ACI 316L Stainless steel



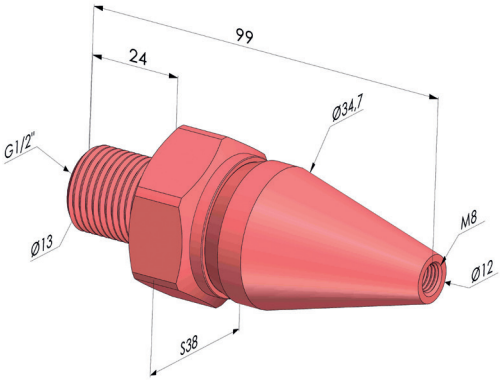
BS 14-2 Anodized aluminium
BS 14-2 ACI 316L Stainless steel



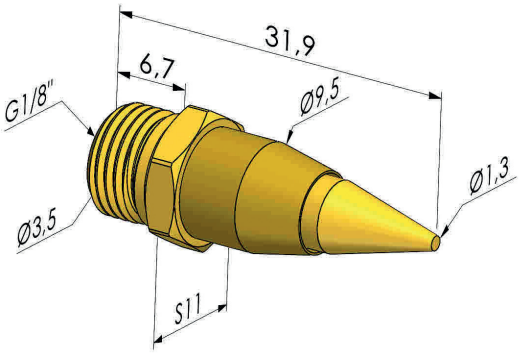
BS F14 Anodized aluminium



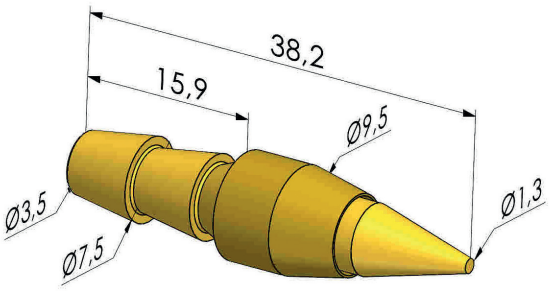
BS 38 Anodized aluminium
BS 38 ACI 316L Stainless steel



BS 12 Anodized aluminium
BS 12 ACI 316L Stainless steel



BS 18PM Brass
BS 18PM ACI 316L Stainless steel



BS C Brass

Values are given in millimeters.
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Booster Blowing Nozzles

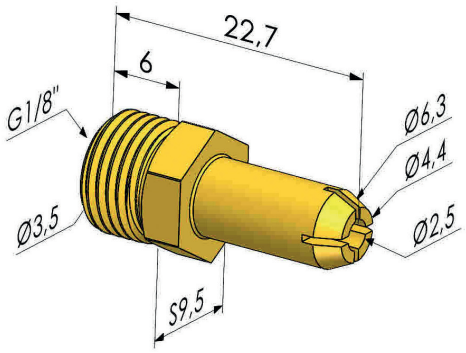
DIRECT JET BLOWING NOZZLES

Without modifying your compressed air network, achieve a significant gain in blowing power—essential for increased productivity.

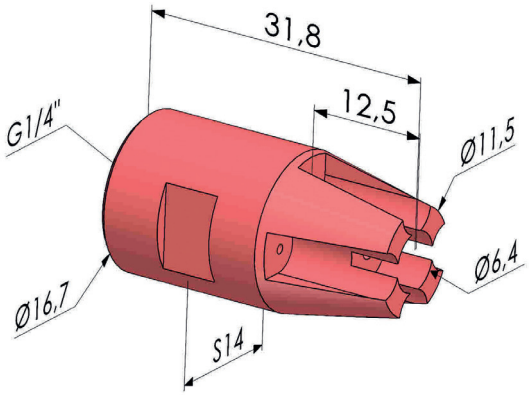
Experience a blowing increase of up to 25:1, depending on the model you choose!

RATIO UP TO 25/1

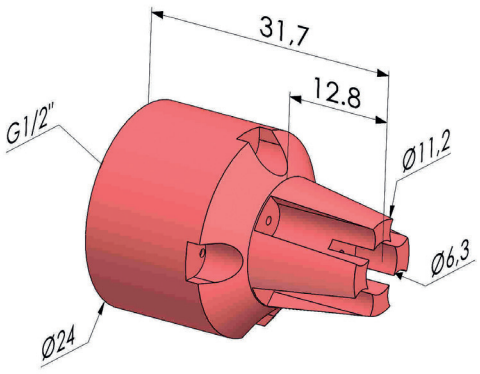
Reference	Pressure (bar)	Air consumption (l/min)	Thrust force (N)		Noise level (dB)	Blowing (l/min)	Connection	Weight (g)	Max. operating temperature
			at 150mm	at 450mm					
BS 18 PC	6	150	1,2	0,7	64	**1140**	Male G1/8"	Brass : 7 316L Stainless steel : 7	Brass : 200°C Anodized aluminium : 150°C
BS 5 F14		525	5	4,3	70	**3270**	Female G1/4"	Anodized aluminium : 9 316L Stainless steel : 25	
BS 9 F12		970	12,1	10,5	81	**4720**	Female G1/2"	Anodized aluminium : 12 316L Stainless steel : 28	316L Stainless steel : 450°C



BS 18 PC Brass
BS 18 PC ACI 316L Stainless steel



BS 5 F14 Anodized aluminium
BS 5 F14 ACI 316L Stainless steel



BS 9 F12 Anodized aluminium
BS 9 F12 ACI 316L Stainless steel

Values are given in millimeters.
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Booster
Blowing nozzle

Customer application example:
BS 5 F14 blow nozzles for drying tubes prior to marking.

Economical Blowing Nozzles and Booster Accessories

A SIMPLE AND QUICK CONNECTION

The BS BDF series flanges are designed to pair with BS series round jet nozzles, **providing a simple and flexible mounting solution**. Their practical design enables fast, secure installation of one or multiple nozzles, and adapts easily to a wide range of blowing configurations.

Each set is supplied with a complete fastening kit (screws, washers, and nuts), simplifying installation and reducing setup time. Built for demanding industrial environments, **this solution combines speed, reliability, and flexibility.**

Reference	Material	Compatible air nozzle				Weight (g)
BS 18 BDF	Anodized aluminium	BS 18	BS 18 PM	BS 18 PC		5
BS 18 BDF ACI	316L Stainless steel	BS 18 ACI	BS 18 PM ACI	BS 18 PC ACI		14
BS 14 BDF	Anodized aluminium	BS F14	BS F14	BS 5 F 14		4
BS 14 BDF ACI	316L Stainless steel	BS 14 ACI		BS 5 F 14 ACI		13
BS 14-2 BDF	Anodized aluminium	BS 14-2	BJP 14 32	BJP 14 52	BJP 14PS	7
		BJP 14 72	BJP 90 14 32	BJP 90 14 52	BJP 90 14 72	
BS 14-2 BDF ACI	316L Stainless steel	BJP 14-2 ACI	BJP 14 32 ACI	BJP 14 52 ACI		21
		BJP 14 72 ACI	BJP 90 14 32 ACI	BJP 90 14 52 ACI	BJP 90 14 72 ACI	
BS 38 BDF	Anodized aluminium	BS 38				7
		BJP 38 102	BJP 38 152	BJP 38 202		
		BJP 90 38 102	BJP 90 38 152	BJP 90 38 202		
BS 38 BDF ACI	316L Stainless steel	BS 38 ACI				22
		BJP 38 102 ACI	BJP 38 152 ACI	BJP 38 202 ACI		
		BJP 90 38 102 ACI	BJP 90 38 152 ACI	BJP 90 38 202 ACI		
BS 12 BDF	Anodized aluminium	BS 12		BS 9 F12		12
BS 12 BDF ACI	316L Stainless steel	BS 12 ACI		BS 9 F12 ACI		33

Values are given in millimeters.
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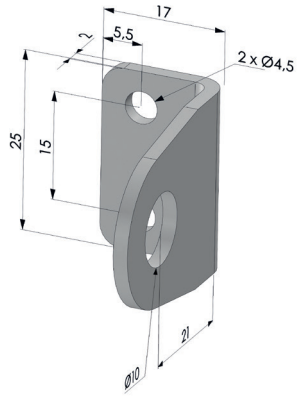
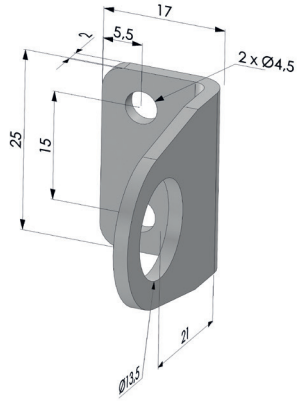
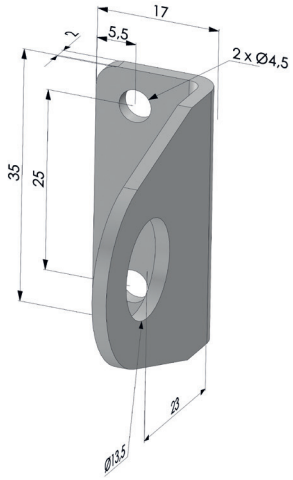


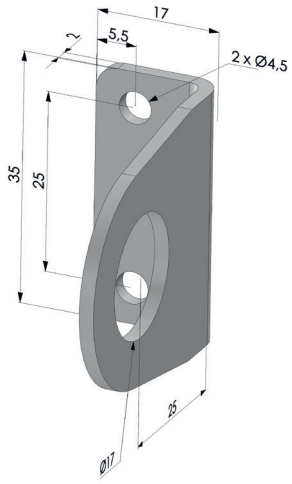
BS 18 BDF ■ Anodized aluminium
BS 18 BDF ACI ■ 316L Stainless steel



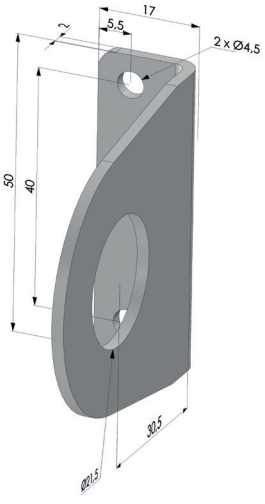
BS 14 BDF ■ Anodized aluminium
BS 14 BDF ACI ■ 316L Stainless steel



BS 14-2 BDF ■ Anodized aluminium
BS 14-2 BDF ACI ■ 316L Stainless steel



BS 38 BDF ■ Anodized aluminium
BS 38 BDF ACI ■ 316L Stainless steel



BS 12 BDF ■ Anodized aluminium
BS 12 BDF ACI ■ 316L Stainless steel

All flanges are supplied with:
- 2 **M4-30** CHC screws
- 4 **M4** flat washers
- 2 **M4** self-locking nuts

Values are given in millimeters.
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Flat
Jet Nozzles

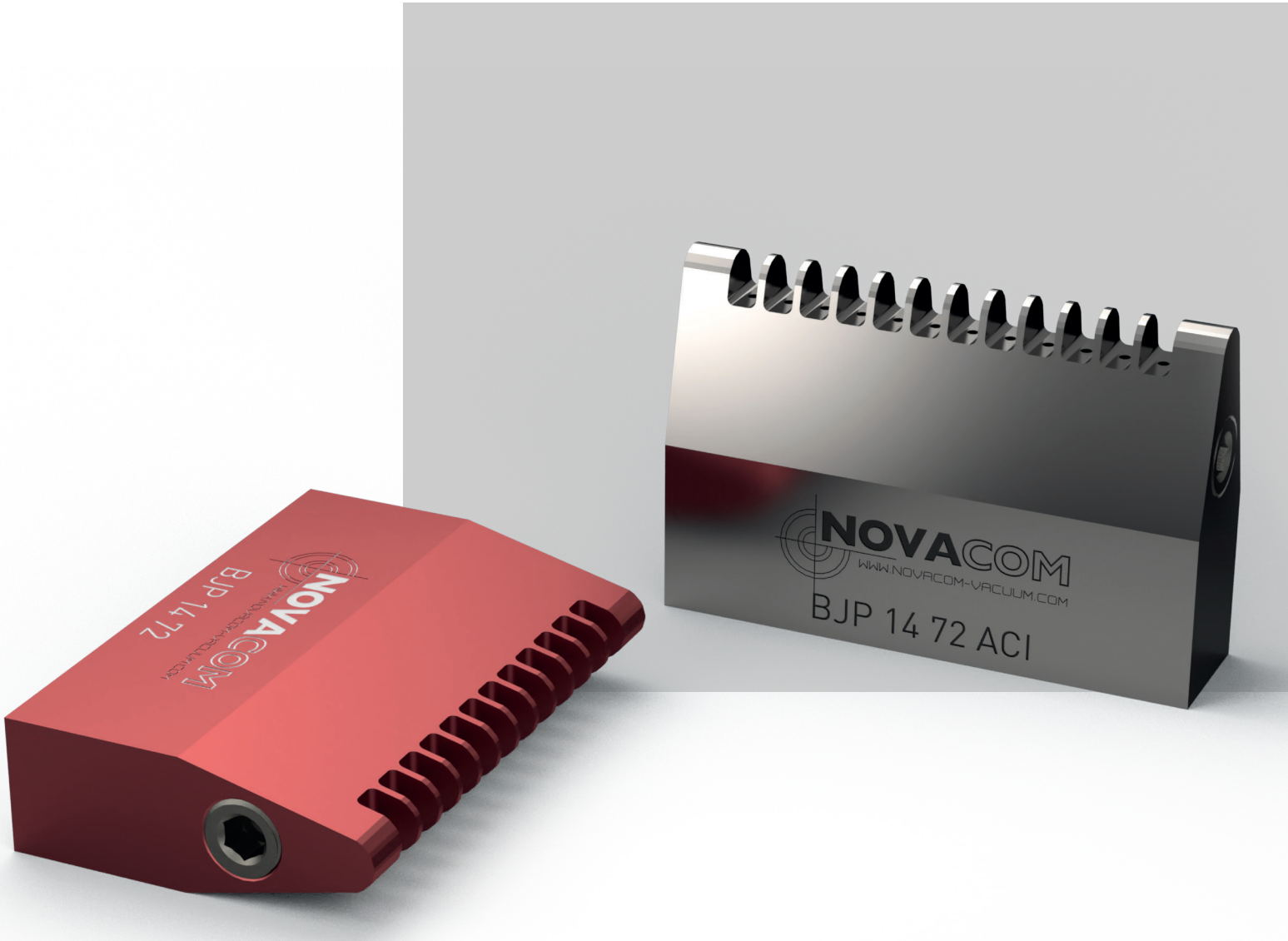
Customer application example:
BJP 90 14 72 and BJP 90 38 102 blow nozzles for drying the part cables as they exit the oven.

OPERATING PRINCIPLES

Flat jet nozzles are specifically designed for applications requiring a flat, concentrated air jet. They provide strong thrust with low compressed air consumption. They can be used individually, adapted for blowguns, or mounted on a blowing manifold.

APPLICATIONS

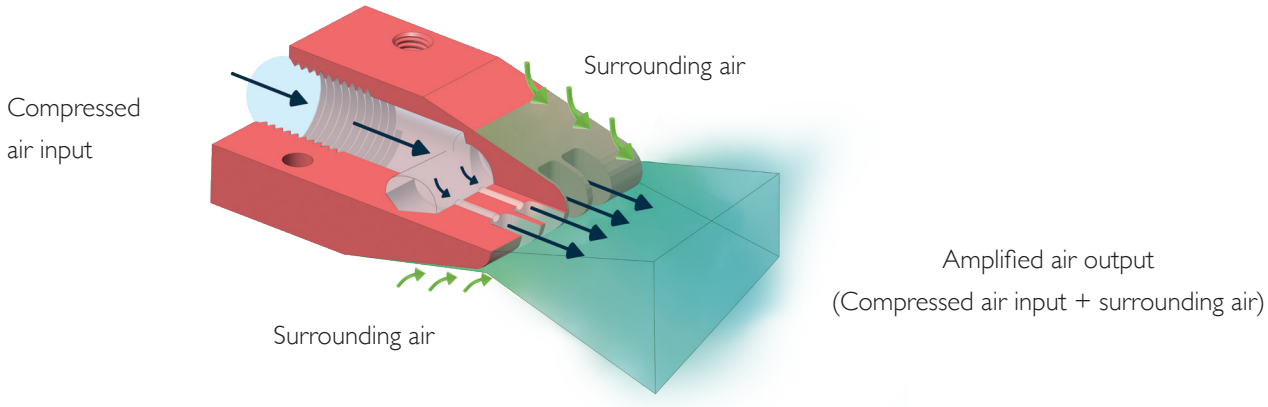
- Ejecting elements from molds or presses
- Removing dirt or various debris
- Cleaning parts before painting
- Cooling extruded or molded parts
- Cleaning or cooling metal or plastic strips and paper rollers
- Cleaning or cooling items conveyed on conveyor belts



Compressed air entering the system produces a constant and uniform airflow, expelled at high velocity through the outlet orifices.

Thanks to the Coandă effect, a unique phenomenon in fluid mechanics, ambient air is drawn in at the fins, thereby increasing the initial airflow.

SCHEMATIC DIAGRAM OF THE FLAT JET NOZZLE



Values are given in millimeters.
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Flat jet nozzles

FLAT JET BLOWING NOZZLES

Achieve better blowing performance with less compressed air consumption, leading to savings.

Experience **up to a 90% reduction in compressed air consumption** (depending on the model used), and **a noise reduction of up to 40%**!

Reference	Pressure (bar)	Air consumption (l/min)	Thrust force (N)		Noise level (dB)	Blowing (l/min)	Connection	Weight (g)	Max. operating temperature
			at 150mm	at 450mm					
BJP 14 32	6	420	5,5	4,2	70	**3050**	Female G1/4"	Anodized aluminium : 35 316L Stainless steel: 130	Anodized aluminium : 150°C / 316L stainless steel : 450°C
BJP 14 52		800	9	7	88	**5370**	Female G1/4"	Anodized aluminium : 56 316L Stainless steel : 225	
BJP 14 72		1200	12,5	11,2	73	**6050**	Female G1/4"	Anodized aluminium : 110 316L Stainless steel : 320	
BJP 16		1000	11,5	11	70	**4800**	Female G1/4"	Anodized aluminium : 162 316L Stainless steel : 465	
BJP 17		1050	11,5	11	70	**4910**	Female G1/4"	Anodized aluminium : 160 316L Stainless steel : 460	
BJP 38 102		1800	17,1	13	74	**6300**	Female G3/8"	Anodized aluminium : 190 316L Stainless steel : 544	
BJP 38 152		1970	22	20	72	**6420**	Female G3/8"	Anodized aluminium : 289 316L Stainless steel : 820	
BJP 38 202		2240	34	32,4	72	**6600**	Female G3/8"	Anodized aluminium : 383 316L Stainless steel : 1098	

Values are given in millimeters.
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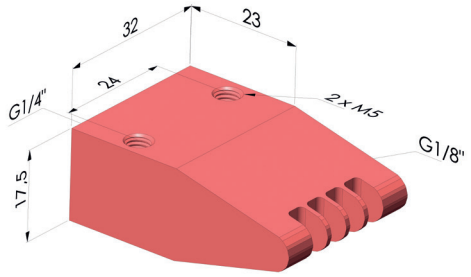
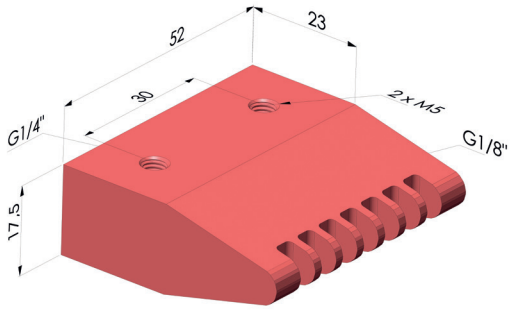
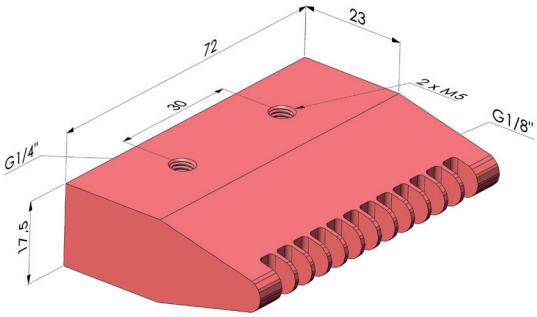


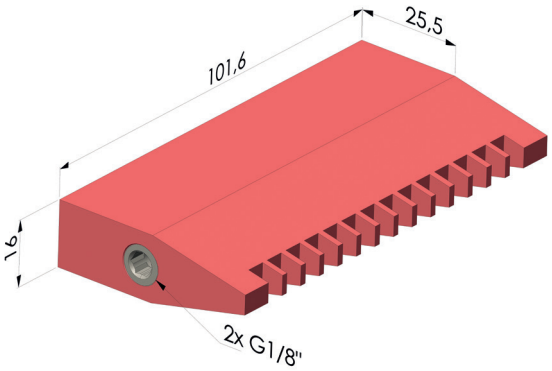
BJP 14 32 Anodized aluminium
BJP 14 32 ACI 316L Stainless steel



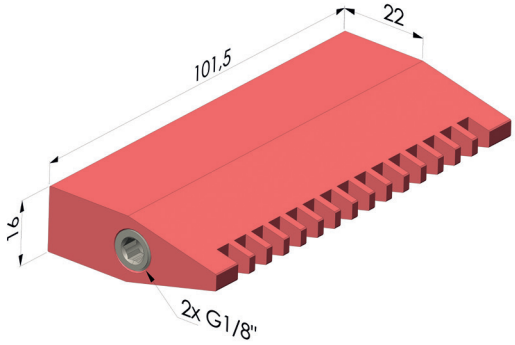
BJP 14 52 Anodized aluminium
BJP 14 52 ACI 316L Stainless steel



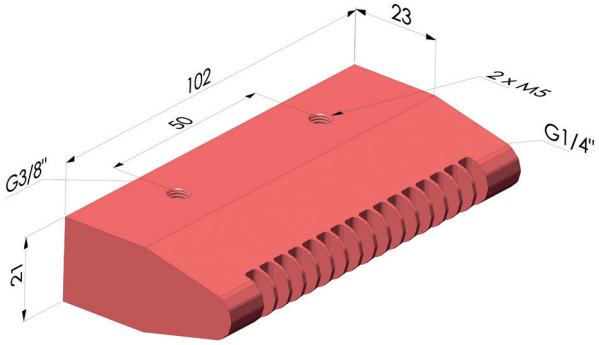
BJP 14 72 Anodized aluminium
BJP 14 72 ACI 316L Stainless steel



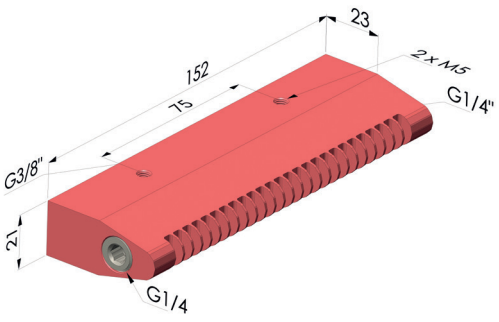
BJP 16 Anodized aluminium
BJP 16 ACI 316L Stainless steel



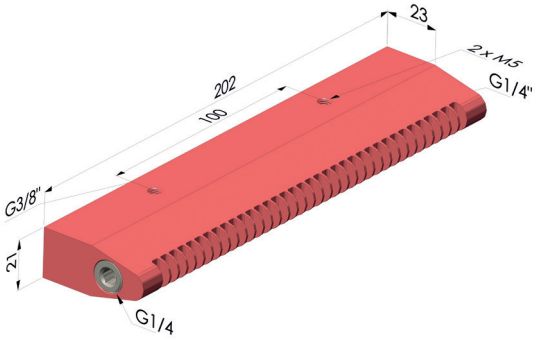
BJP 17 Anodized aluminium
BJP 17 ACI 316L Stainless steel



BJP 38 102 Anodized aluminium
BJP 38 102 ACI 316L Stainless steel



BJP 38 152 Anodized aluminium
BJP 38 152 ACI 316L Stainless steel



BJP 38 202 Anodized aluminium
BJP 38 202 ACI 316L Stainless steel

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90° flat jet blowing nozzles

90° FLAT JET BLOWING NOZZLES

90° flat-jet nozzles have a more compact design compared with conventional flat-jet nozzles. They feature two M5 mounting points and deliver high blowing power in confined spaces.

These nozzles can be used on their own, fitted to blow guns, or mounted on a rotating tube.

Reference	Pressure (bar)	Air consumption (l/min)	Thrust force (N)		Noise level (dB)	Blowing (l/min)	Connection	Weight (g)	Max. operating temperature
			at 150mm	at 450mm					
BJP 90 18 24	6	630	6	6	76	**4050**	Female G1/8"	Anodized aluminium: 13 316L Stainless steel : 38	Anodized aluminium : 150°C 316L Stainless steel : 450°C
BJP 90 M18 24		630	6	6	76	**4050**	Male G1/8"	Anodized aluminium : 13 316L Stainless steel : 38	
BJP 90 14 32		420	5,5	4,2	70	**3050**	Female G1/4"	Anodized aluminium : 23 316L Stainless steel : 62,5	
BJP 90 14 52		850	9	7	72	**5270**	Female G1/4"	Anodized aluminium : 39 316L Stainless steel : 109	
BJP 90 14 72		1150	12,5	11,2	73	**5960**	Female G1/4"	Anodized aluminium : 54 316L Stainless steel : 155	
BJP 90 38 102		1720	17,1	13	74	**6250**	Female G3/8"	Anodized aluminium : 104 316L Stainless steel : 315	
BJP 90 38 152		1895	22	20	72	**6290**	Female G3/8"	Anodized aluminium : 173,5 316L Stainless steel : 480	
BJP 90 38 202		2090	34	32,4	70	**3050**	Female G3/8"	Anodized aluminium : 228 316L Stainless steel: 641	

Values are given in millimeters.
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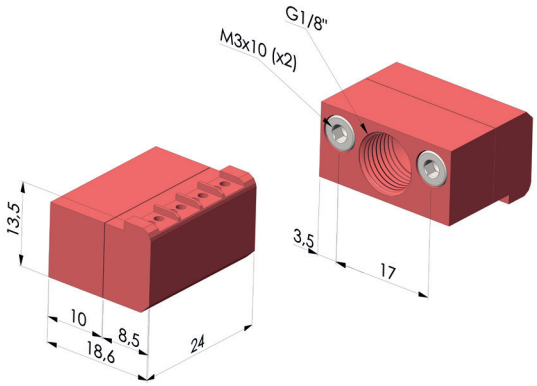
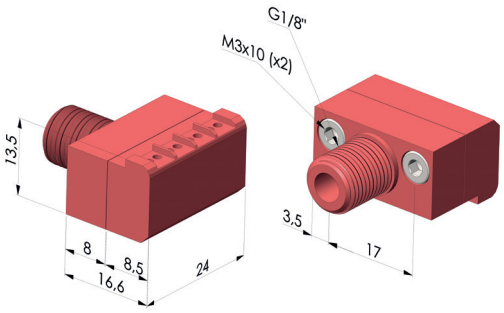
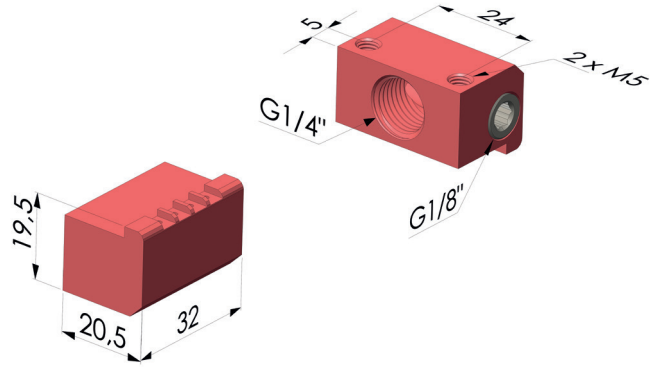


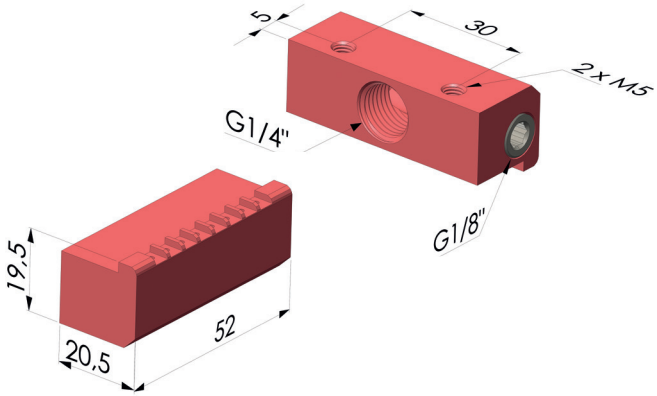
BJP 90 18 24 Anodized aluminium
BJP 90 18 24 ACI 316L Stainless steel



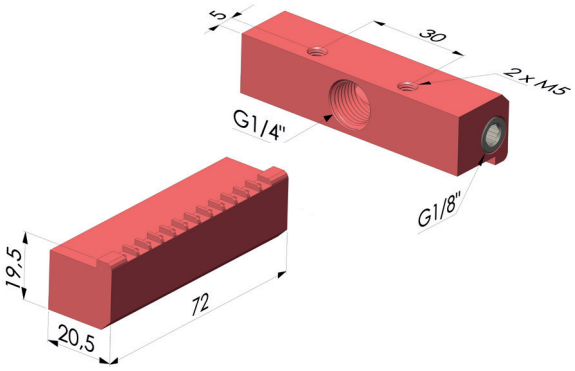
BJP 90 M18 24 Anodized aluminium
BJP 90 M18 24 ACI 316L Stainless steel



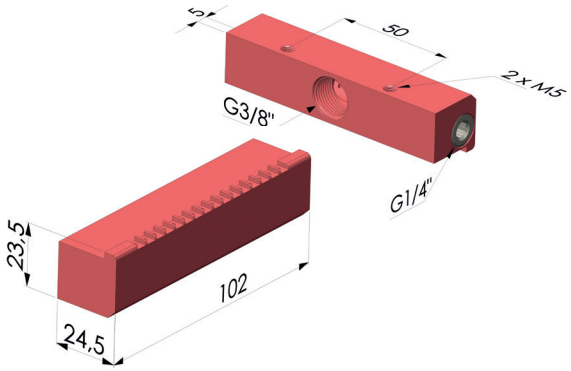
BJP 90 14 32 Anodized aluminium
BJP 90 14 32 ACI 316L Stainless steel



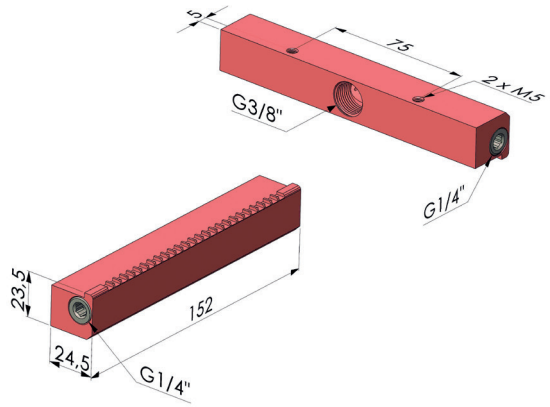
BJP 90 14 52 Anodized aluminium
BJP 90 14 52 ACI 316L Stainless steel



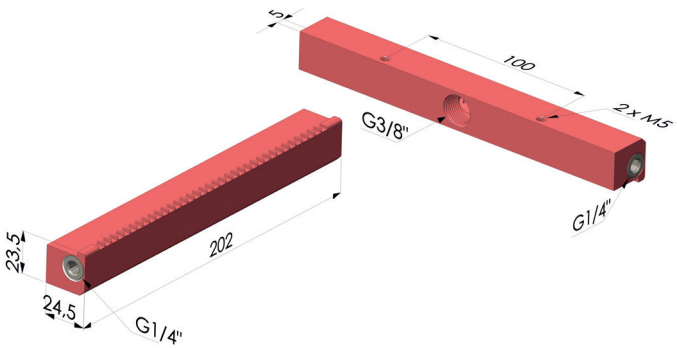
BJP 90 14 72 Anodized aluminium
BJP 90 14 72 ACI 316L Stainless steel



BJP 90 38 102 Anodized aluminium
BJP 90 38 102 ACI 316L Stainless steel



BJP 90 38 152 Anodized aluminium
BJP 90 38 152 ACI 316L Stainless steel



BJP 90 38 202 Anodized aluminium
BJP 90 38 202 ACI 316L Stainless steel

Values are given in millimeters.
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Flat jet air nozzles with control solenoid valve

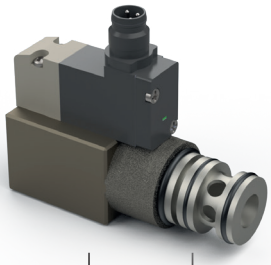
RATIO UP TO 25/1

NOVACOM CONTROLLABLE FLAT JET BLOW NOZZLES

They optimize compressed air consumption for various industrial applications. These nozzles provide a wide air jet, ideal for cooling or cleaning large surfaces or ejecting parts. They use the Coandă effect, a phenomenon from fluid mechanics, to amplify the blowing force.
Equipped with a 24V solenoid valve and a 3-pole M8 connection, these nozzles only consume compressed air when needed, reducing energy consumption. In addition, their compact design makes integration into production lines easier.

Thanks to the solenoid valve, they also offer greater flexibility and control, reduce operation cycle times, simplify maintenance, improve system reliability, and minimize the noise generated by compressed air when it is not in use.

Reference	Pressure (bar)	Air consumption (l/min)	Thrust force (N)		Noise level (dB)	Blowing (l/min)	Connection	Weight (g)	Max. operating temperature
			at 150mm	at 450mm					
BJP 14 72 EV	6	990	11,5	10,2	73	**5875**	Male G1/4"	Anodized aluminium : 121	Anodized aluminium : 60°C
BJP 38 102 EV		1130	17,1	13	74	**6250**	Female G3/8"	Anodized aluminium : 185	
BJP 90 14 72 EV		970	11,5	10,3	73	**5730**	Female G1/4"	Anodized aluminium : 95	
BJP 90 38 102 EV		1050	17,1	13	74	**6250**	Female G3/8"	Anodized aluminium : 153	



TECHNICAL INFORMATION SOLENOID VALVE

Reference	Fluid	Max working pressure (bar)	Operating temperature (°C)	Flow rate at 6 bar with Δp = 1 (Nl / min)	Weight (g)	Available voltage	Connection type	Number of cycles	Response time	
									at energizing	at de-energizing
EV 24 VDC 1,2W	Filtered and lubricated air	7	from 10 to +60 °C	700	18	24 VDC	PLUG IN M8 3 PIN - IP65 - Threaded fitting	50 000 000	12 ms	35 ms

Values are given in millimeters.
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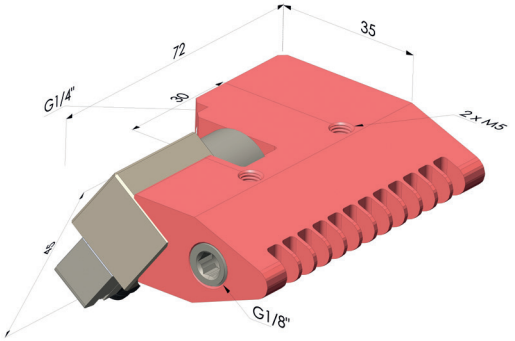
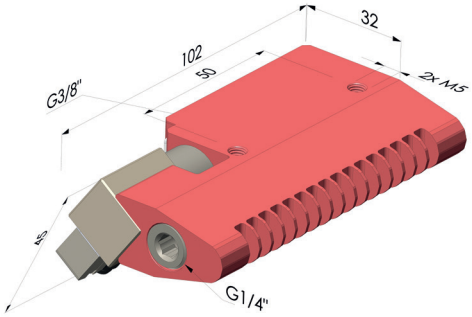
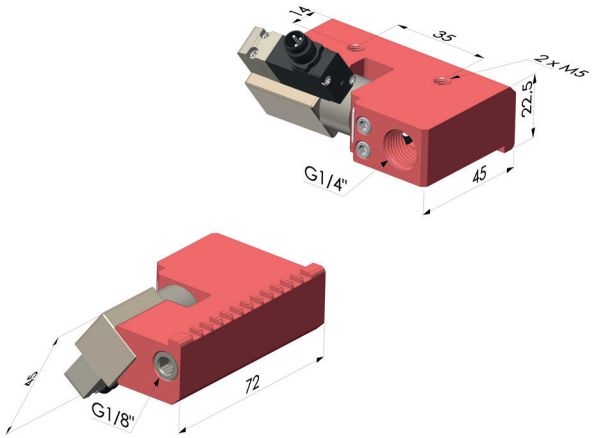


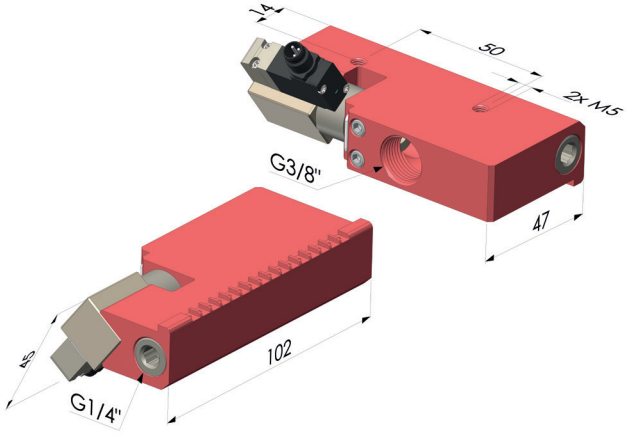
BJP 14 72 EV Anodized aluminium



BJP 38 102 EV Anodized aluminium



BJP 90 14 72 EV Anodized aluminium



BJP 90 38 102 EV Anodized aluminium

Values are given in millimeters.
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Cylindrical manifolds

CYLINDRICAL MANIFOLDS

It is possible to customize your manifold according to the application and the working surface to be covered. All Novacom blowing nozzles can be mounted on the TDC BS cylindrical profile with 2, 3, 4, or 6 outlets.

The TDC BS series manifolds are available in aluminum or 316L stainless steel. **Numerous combinations are possible; please consult us for any request**.

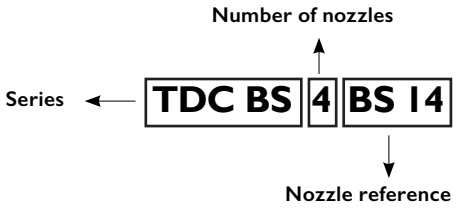
KEY BENEFITS

- Strong blowing force.
- Uniform and consistent airflow.
- Quick and easy to install.
- Compressed air saving on site and noise reduction.

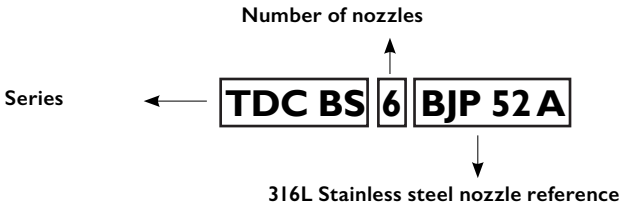
DETERMINE YOUR ARTICLE NUMBER

1. Serie	2. Number of nozzles	3. Blowing nozzles	4. Materials		EXAMPLE. Cylindrical ramp type
TDC BS	2	BS 14	/	Anodized aluminium	TDC BS 3 BJP 90 52 A
	3	BJP 14 52	ACI	316L Stainless steel	...
	4	BJP 90 14 52			
	6	...			

Example :
Standard blow-off bar with 4 round jet nozzles BS 14



Example :
Standard blow-off bar with 6 flat jet nozzles BJP 14 52 ACI



TECHNICAL INFORMATIONS

Specifications

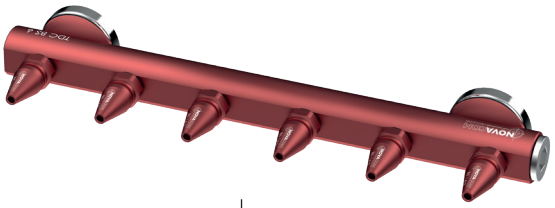
MATERIALS	Aluminum or 316L Stainless steel	Many combinations are possible, please contact us.

APPLICATIONS

- Ejection of mold or press elements.
- Removal of dirt and various residues.
- Cleaning parts before painting.
- Cooling of extruded/molded parts.
- Cleaning or cooling of metal or plastic strips and paper rolls.
- Cleaning or cooling of elements transported on conveyors.

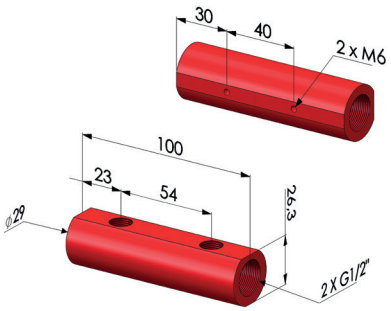
COMPLEMENTARY PARTS

Magnetic mounts*

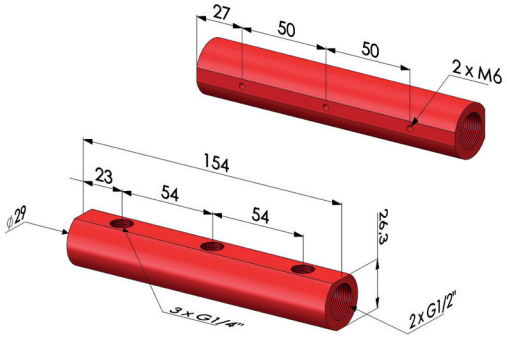


Mounting model	Mounting
PM 35757	Screw M6

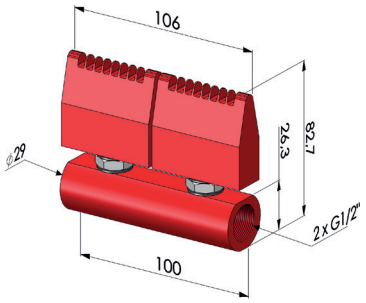
* Find our magnetic mounts on page 41.



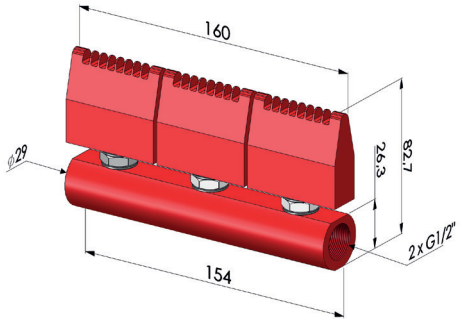
TDC BS 2 Anodized aluminium
TDC BS 2 ACI 316L Stainless steel



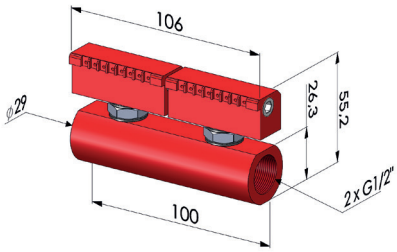
TDC BS 3 Anodized aluminium
TDC BS 3 ACI 316L Stainless steel



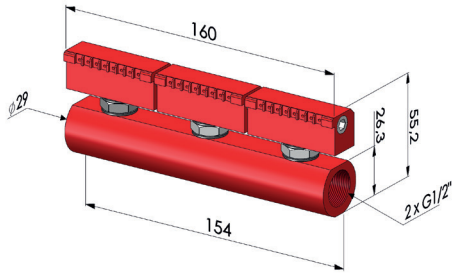
TDC BS 2 BJP 52 Anodized aluminium
TDC BS 2 BJP 52 A 316L Stainless steel



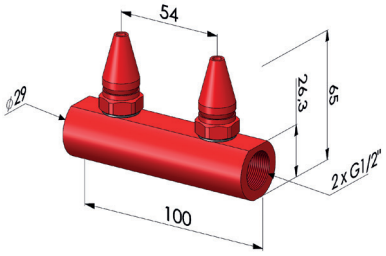
TDC BS 3 BJP 52 Anodized aluminium
TDC BS 3 BJP 52 A 316L Stainless steel



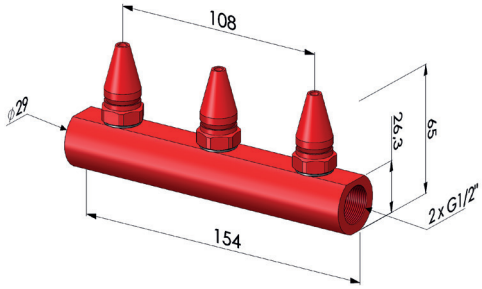
TDC BS 2 BJP 90 52 Anodized aluminium
TDC BS 2 BJP 90 52 A 316L Stainless steel



TDC BS 3 BJP 90 52 Anodized aluminium
TDC BS 3 BJP 90 52 A 316L Stainless steel



TDC BS 2 BS 14 Anodized aluminium
TDC BS 2 BS 14 A 316L Stainless steel



TDC BS 3 BS 14 Anodized aluminium
TDC BS 3 BS 14 A 316L Stainless steel

Values are given in millimeters.
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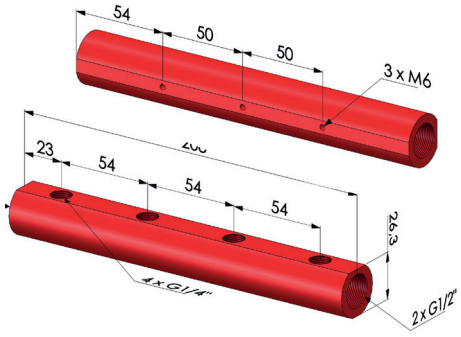
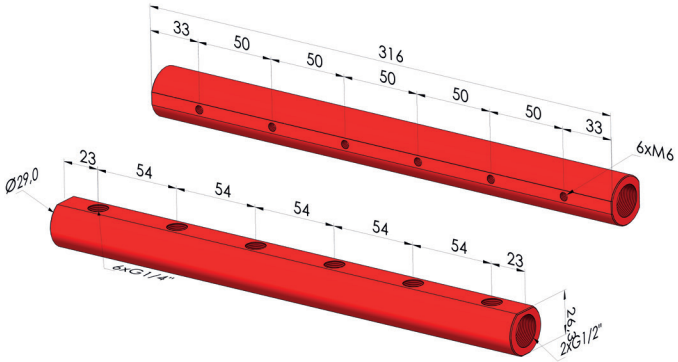
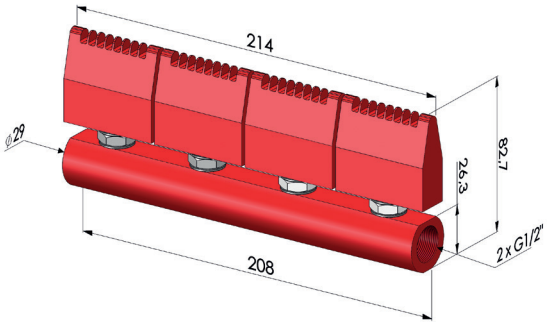
Cylindrical manifolds



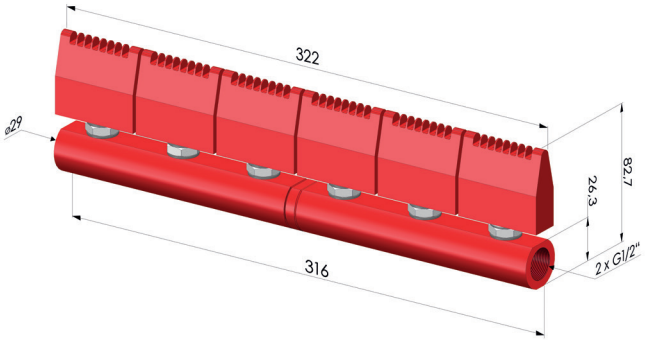
TDC BS 4 Anodized aluminium
TDC BS 4 ACI 316L Stainless steel



TDC BS 6 Anodized aluminium
TDC BS 6 ACI 316L Stainless steel



TDC BS 4 BJP 52 Anodized aluminium
TDC BS 4 BJP 52 A 316L Stainless steel



TDC BS 6 BJP 52 Anodized aluminium
TDC BS 6 BJP 52 A 316L Stainless steel

Values are given in millimeters.
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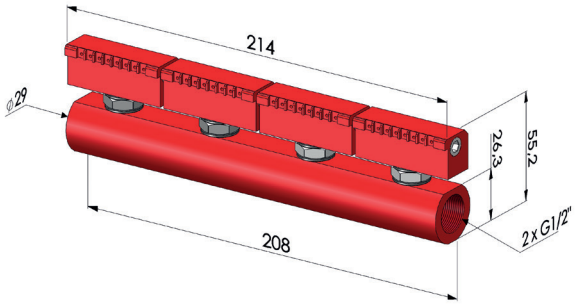
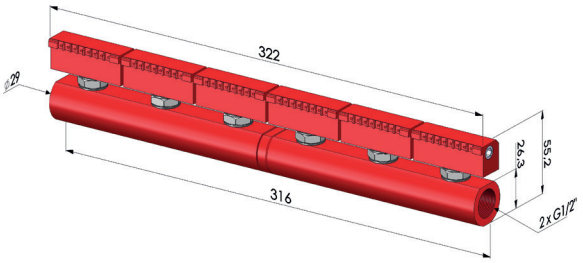
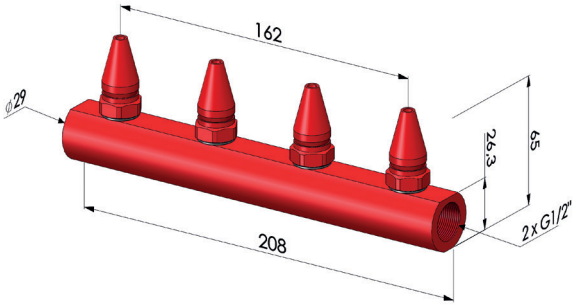


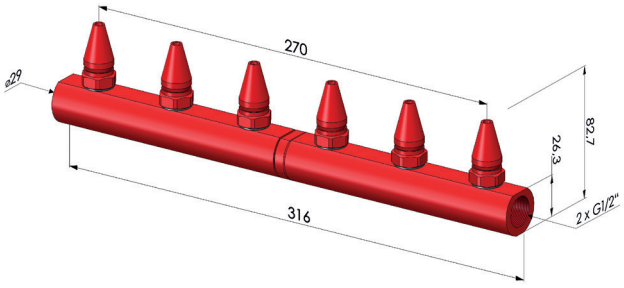
TDC BS 4 BJP 90 52 Anodized aluminium
TDC BS 4 BJP 90 52 A 316L Stainless steel



TDC BS 6 BJP 90 52 Anodized aluminium
TDC BS 6 BJP 90 52 A 316L Stainless steel



TDC BS 4 BS 14 Anodized aluminium
TDC BS 4 BS 14 A 316L Stainless steel



TDC BS 6 BS 14 Anodized aluminium
TDC BS 6 BS 14 A 316L Stainless steel

Values are given in millimeters.
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Adjustable Tube and Magnetic Bases

DESCRIPTION

Fixed on a magnetic base, the adjustable flexible tubes allow for precise direction of the air jet, offering even greater accuracy. They are available in G1/4", G3/8", and G1/2" sizes.

The BS 14-Y series adapters are compatible with G1/4" male round jet nozzles and can be mounted with 2 or 3 nozzles.

KEY BENEFITS

- The shape is maintained even with high air pressure.
- Ideal for precisely directing an air jet.
- Practical for hard-to-reach areas.
- Easy installation.
- Compatibility with all our blowing nozzles.
- TO BS14 L, compatible with the BS14-Y adapter.

DETERMINE YOUR REFERENCE

1. Serie

TO BS

2. Connection (gas)

14	Male G1/4"
16	Male G3/8"
21	Male G1/2"

3. Length

L200	200 mm
L250	250 mm
L300	300 mm
L400	400 mm
L500	500 mm
L600	600 mm
L800	800 mm
L1000	1 000 mm

4. Materials

Manganese steel, stainless steel and PVC for TO BS 14 L ---

Chromed steel and PVC for TO BS 16 L --- and TO BS 21 L ---

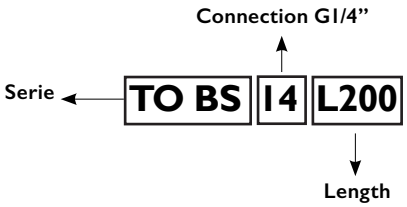
EXAMPLE.

Ramp type

TO BS14 1200

Example:

Male Hose G1/4" with 200 mm length

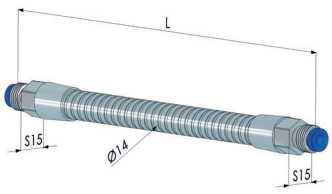


TECHNICAL INFORMATIONS

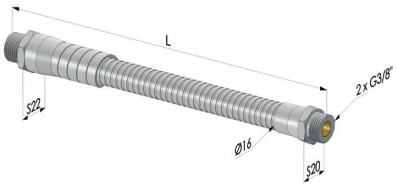
Specifications	
Compressed air	Filtered, non-lubricated compressed air, pressure from 1 to 7 bar
Temperature	Maximum temperature 80 °C
Material TO BS	Manganese steel, stainless steel and PVC for TO BS 14 L ---, chrome-plated steel and PVC for TO BS 16 L --- and TO BS 21 L
Material EMB	Aluminium body, galvanized steel base, nickel-plated brass valve
Magnet force	280 N

APPLICATIONS

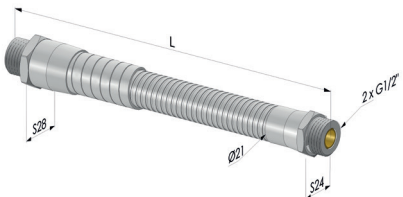
They can be used with the entire range of blowing nozzles to facilitate their installation and correct operation.



TO BS14 L--- Manganese steel



TO BS16 L--- Chrome-plated steel



TO BS21 L--- Chrome-plated steel

Compatible with adapters BS 14 2Y, BS 14 3Y

Values are given in millimeters.
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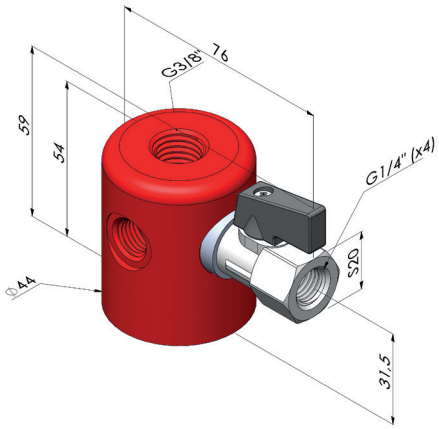
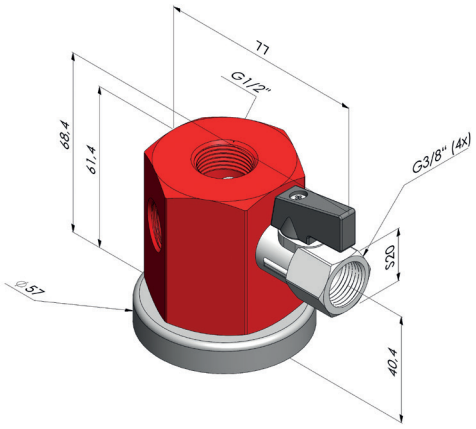
Mounted on a magnetic base, the adjustable flexible tubes allow you to direct the air jet with greater precision. They are available in G1/4", G3/8", and G1/2". Convenient for hard-to-reach areas.



EMB 14 ■ Anodized aluminum

- Magnetic base
- Supplied with 2 cylindrical hexagonal male plugs G1/4" and 1 cylindrical hexagonal male plug with seal G3/8"



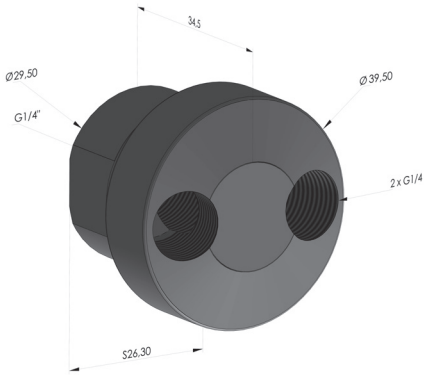
EMB 38 ■ Anodized aluminum

- Magnetic base
- Supplied with 2 cylindrical hexagonal male plugs G3/8" and 1 cylindrical hexagonal male plug with seal G1/2"

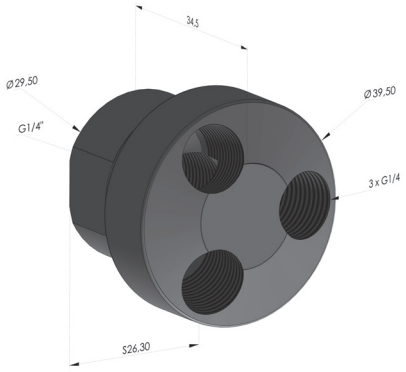
DISTRIBUTION BLOCKS FOR NOZZLES

Serie BS 14 -Y

For greater versatility, BS 14-Y series adapters ensure compatibility with male G1/4" round jet nozzles. These adapters make it possible to assemble two or three nozzles simultaneously, increasing blowing efficiency or covering a larger area without multiplying installations.



BS 14 2Y ■ Anodized aluminium



BS 14 3Y ■ Anodized aluminium

TECHNICAL INFORMATION

Reference	Material	Mounting options	Compatibility			Connection	Weight (g)
BS 14 2Y	Aluminium	2 blowing nozzles	BS 14 BS 14 ACI	BS 14-2 BS 14-2 ACI	TO BS14	G3/8"	61
BS 14 3Y	Aluminium	3 blowing nozzles	BS 14 BS 14 ACI	BS 14-2 BS 14-2 ACI	TO BS14	G3/8"	56

Values are given in millimeters.
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Air Knives Single-, Double- & Circular-Flow

Application at the customer's premises: Use RAC-2 51 to dry corks after bottling.

OPERATING PRINCIPLES

A small amount of compressed air is discharged through a 0.1 mm gap along the full length of the air knife at very high speed. This creates a fast-moving sheet of air that entrains the surrounding ambient air and carries it to the target area. The compressed-air flow **is amplified 25 times for RA, RA-2, and RAC**, and **50 times for RA-2 DF**.

APPLICATIONS

Air knives are ideal for **intensive product cooling or for removing large amounts of dust, chips, oil, water, etc.**, while using only a small volume of compressed air.

Customer application example:
RA-2 750 air knife for drying bottles before labeling.

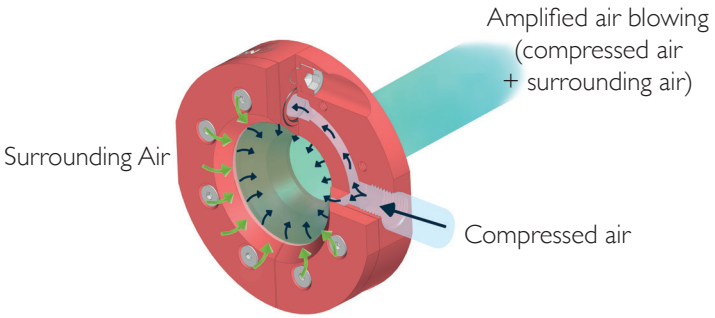
KEY BENEFITS

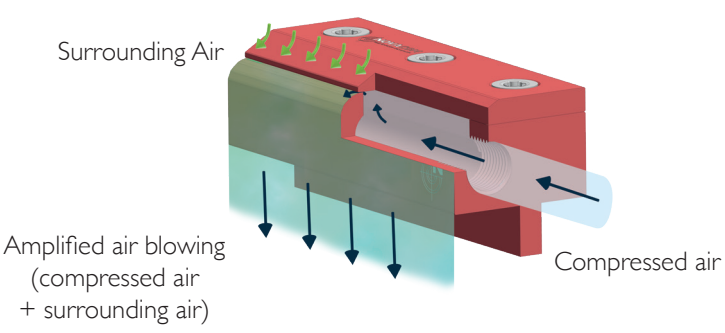
NOVACOM air knives allow you to cool or clean large or cylindrical surfaces without generating excessive noise or consuming too much air, as is the case with traditional open or perforated tube systems. Since the required compressed air volume is low, noise levels are also reduced. Noise can be lowered by up to 50 dBA compared to other traditional systems.

KEY BENEFITS:

- Reduced energy consumption.
- Amplified air flow and reduced noise.
- Fast return on investment.
- No risk of blockage.
- Compliance with safety standards.

SCHEMATIC DIAGRAM OF THE AIR KNIVES





Values are given in millimeters.
www.novacom-vacuum.com

Single flow air knives

NOVACOM develops and designs single-flow air knives in France. Air knives are used for cost-effective blow-off operations over a wide area, as well as for cleaning or cooling. The incoming compressed air generates a wide, high-velocity, continuous and uniform airflow that sweeps along the surface.

Thanks to the Coandă effect, ambient air is drawn in and added to the initial airflow. Air knives can also be used as an air curtain to create an air barrier, separating zones with different temperatures and helping prevent cross-contamination.

Reference	Pressure (bar)	Air consumption (l/min)	Thrust force (N)		Noise level (dB)	Blowing (l/min)	Connection	Weight (g)	Max. operating temperature
			at 150mm	at 450mm					
RA-3 80	6	450	2,2	2	85	**9000**	2x Female G1/4"	Anodized aluminium : 133 316L Stainless Steel : 391	Anodized aluminium : 150°C 316L Stainless Steel : 260°C
RA-3 150		1150	8	7,3	90	**23000**	2x Female G1/4"	Anodized aluminium : 241 316L Stainless Steel : 709	
RA-2 250		1300	9	8,5	90	**26000**	2x Female G1/4"	Anodized aluminium : 538 316L Stainless Steel : 2040	
RA-2 300		1950	11,5	11	95	**39000**	2x Female G1/4"	Anodized aluminium : 456 316L Stainless Steel : 1133	
RA-3 450		2580	15,1	14,8	95	**51600**	2x Female G1/4"	Anodized aluminium : 664 316L Stainless Steel : 1953	
RA-3 600		2900	15,1	15	95	**72500**	4x Female G1/4"	Anodized aluminium : 925 316L Stainless Steel : 2584	
RA-3 750		3600	15,9	15,5	95	**90000**	4x Female G1/4"	Anodized aluminium : 1070 316L Stainless Steel : 3000	
RA-2 900		4000	16,3	15,9	95	**100000**	4x Female G1/4"	Anodized aluminium : 1835 316L Stainless Steel : 3660	

Values are given in millimeters.
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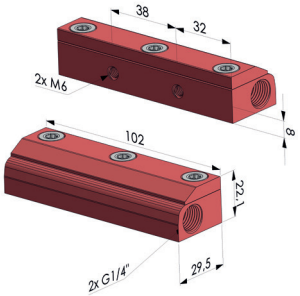
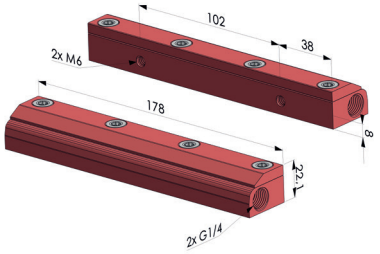
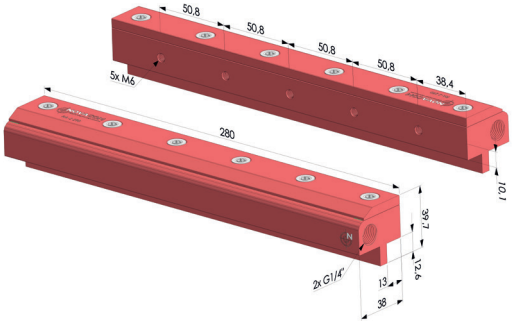


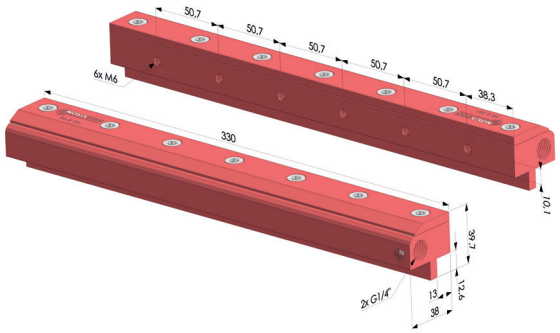
RA-3 80 Anodized aluminium
RA-3 80 ACI 316L Stainless Steel



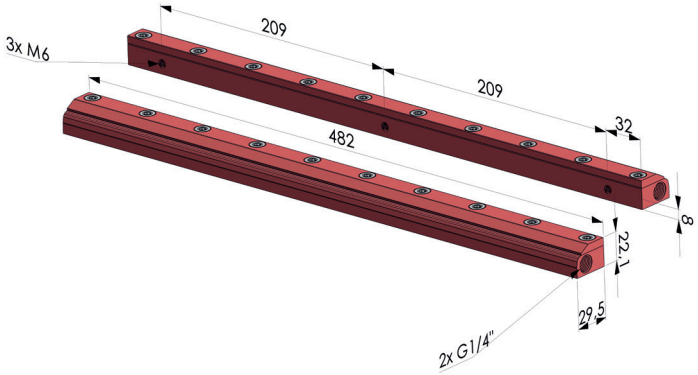
RA-3 150 Anodized aluminium
RA-3 150 ACI 316L Stainless Steel



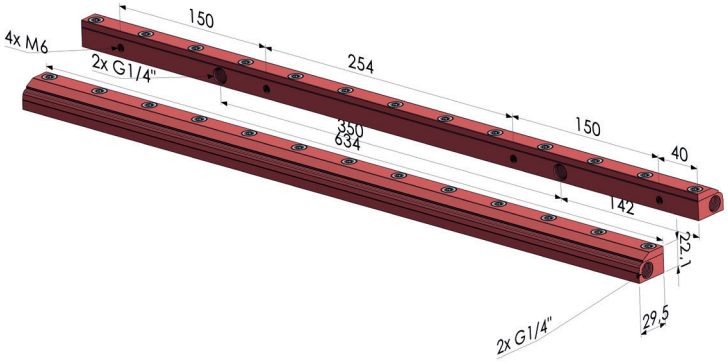
RA-2 250 Anodized aluminium
RA-2 250 ACI 316L Stainless Steel



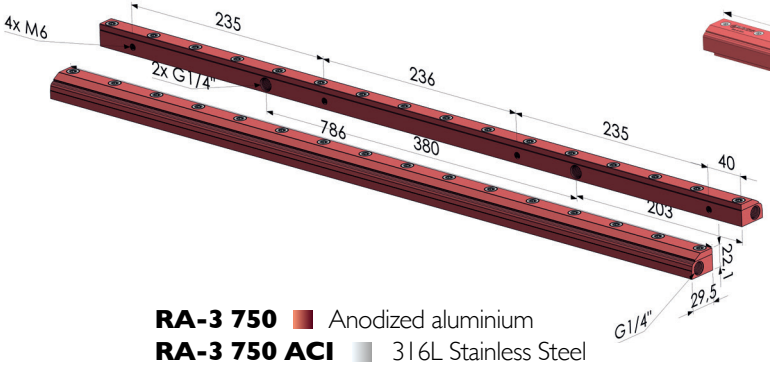
RA-2 300 Anodized aluminium
RA-2 300 ACI 316L Stainless Steel



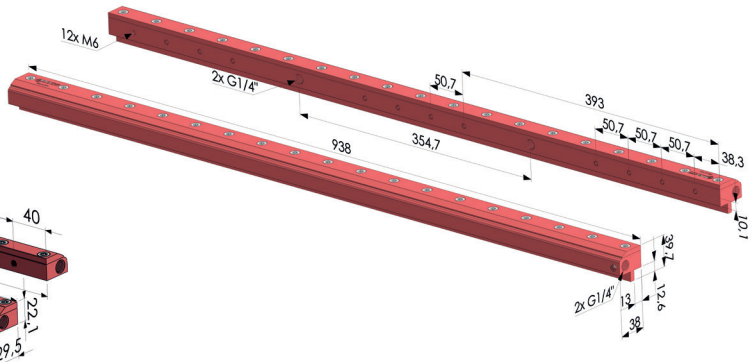
RA-3 450 Anodized aluminium
RA-3 450 ACI 316L Stainless Steel



RA-3 600 Anodized aluminium
RA-3 600 ACI 316L Stainless Steel



RA-3 750 Anodized aluminium
RA-3 750 ACI 316L Stainless Steel



RA-2 900 Anodized aluminium
RA-2 900 ACI 316L Stainless Steel

Values are given in millimeters.
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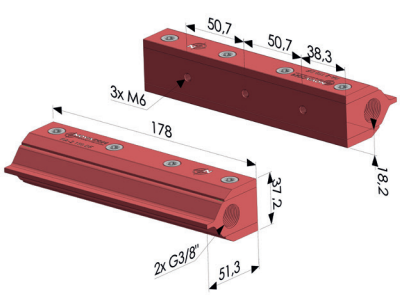
Double flow air knives

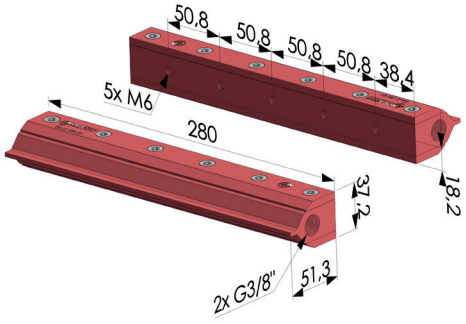
Air knives make it possible to cover a large width with an air sheet. The dual air stream released at high speed is uniform along the entire length of the air knife.

They are ideal for blow-off and fast-drying applications. Double flow air knives amplify the air 50-fold.

Reference	Pressure (bar)	Air consumption (l/min)	Thrust force (N)		Noise level (dB)	Blowing (l/min)	Connection	Weight (g)	Max. operating temperature
			at 150mm	at 450mm					
RA-2 150 DF	6	2100	11,8	10,5	95	**52500**	2x Female G3/8"	Anodized aluminium : 575	Anodized aluminium : 150°C
RA-2 250 DF		2900	13,5	12,8	95	**72500**	2x Female G3/8"	Anodized aluminium : 905	
RA-3 300 DF		4200	23	18,7	99	**105000**	2x Female G3/8"	Anodized aluminium : 1074	
RA-2 450 DF		6300	28	23	95	**157500**	2x Female G3/8"	Anodized aluminium : 1565	
RA-3 600 DF		8200	29	25	95	**205000**	4x Female G3/8"	Anodized aluminium. : 1340	
RA-3 750 DF		10600	30	26,5	99	**265000**	4x Female G3/8"	Anodized aluminium : 1670	
RA-3 900 DF		12240	30	28,5	96	**306000**	4x Female G3/8"	Anodized aluminium : 3032	



RA-2 150 DF Anodized aluminium



RA-2 250 DF Anodized aluminium

Values are given in millimeters.
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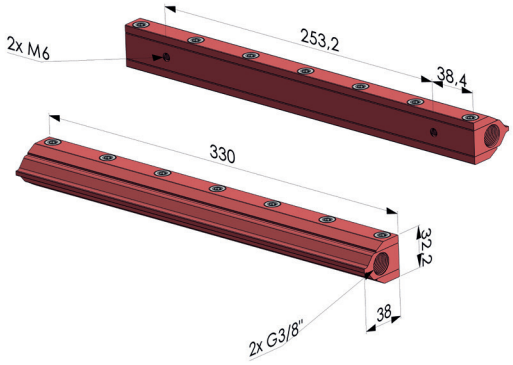
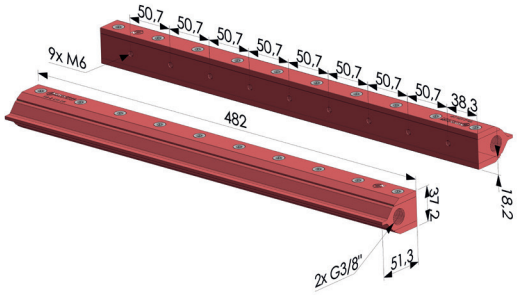
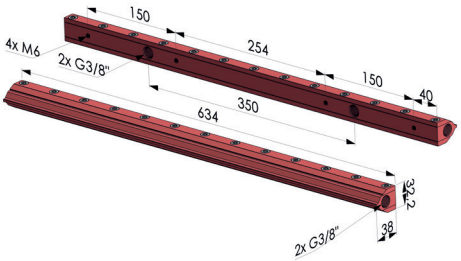


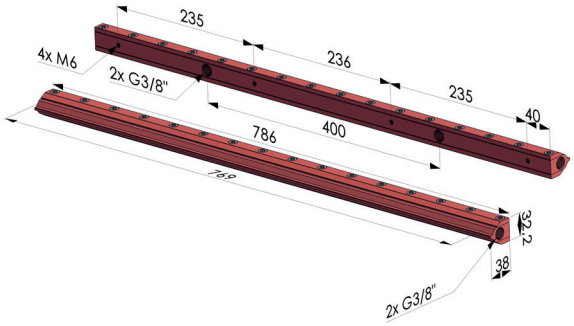
RA-3 300 DF Anodized aluminium



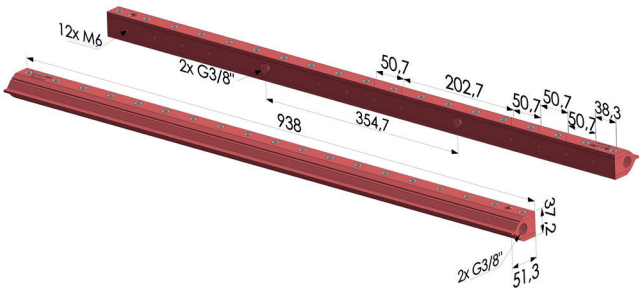
RA-2 450 DF Anodized aluminium



RA-3 600 DF Anodized aluminium



RA-3 750 DF Anodized aluminium



RA-3 900 DF Anodized aluminium

Values are given in millimeters.
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Circular air knives

RAC-2 Series ring air knives are designed for blowing, cooling, or cleaning cylindrical surfaces, combining efficiency with low compressed-air consumption. Thanks to their design, they amplify the airflow while reducing noise levels.

Their operating principle is based on a thin sheet of compressed air expelled at high speed through a peripheral slot. This high-velocity jet entrains the surrounding air to create a continuous, homogeneous, and directional flow, ideal for treating rounded or tubular surfaces.

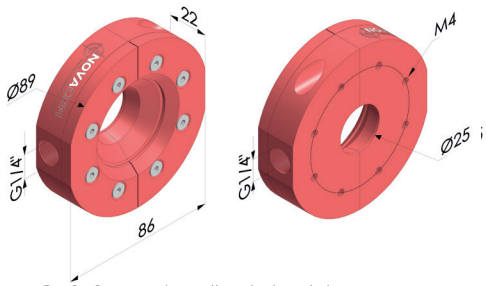
This Coandă-effect amplification phenomenon ensures effective action without the need for high flow rates.

RAC-2 ring air knives are particularly well suited to industrial applications requiring rapid cooling, precise blow-off, or the removal of particles, chips, oil, or water. Their use optimizes performance while reducing energy consumption.

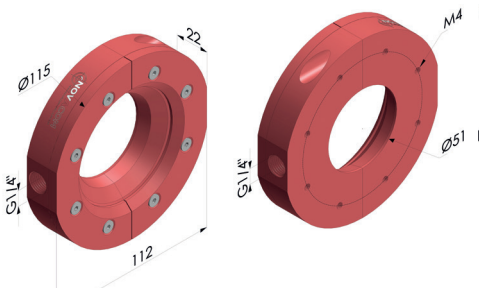
By limiting the pressure required, these devices also help lower sound levels compared with conventional systems.

UP TO -94% AIR CONSUMPTION

REFERENCE	Pressure (bar)	Air consumption (l/min)	Thrust force (N)		Noise level (dB)	Blowing (l/min)	Connection	Weight (g)	Max. operating temperature
			at 150mm	at 450mm					
RAC-2 25	6	1050	8,5	7,5	90	**26250**	Female G1/4"	Anodized aluminium : 275 316L Stainless Steel : 756	Anodized aluminium : 150°C 316L Stainless steel : 450°C
RAC-2 51		1450	12,5	11,5	90	**36250**	Female G1/4"	Anodized aluminium : 390 316L Stainless Steel : 1080	
RAC-2 76		2150	20	19,5	90	**53750**	Female G1/4"	Anodized aluminium : 500 316L Stainless Steel : 1400	
RAC-2 127		3200	16	16	90	**80000**	Female G3/8"	Anodized aluminium : 832 316L Stainless Steel : 2380	
RAC-2 178		4350	28	26,5	90	**108750**	Female G3/8"	Anodized aluminium : 1090 316L Stainless Steel : 3170	



RAC-2 25 Anodized aluminium
RAC-2 25 ACI 316L Stainless Steel



RAC-2 51 Anodized aluminium
RAC-2 51 ACI 316L Stainless Steel

Values are given in millimeters.
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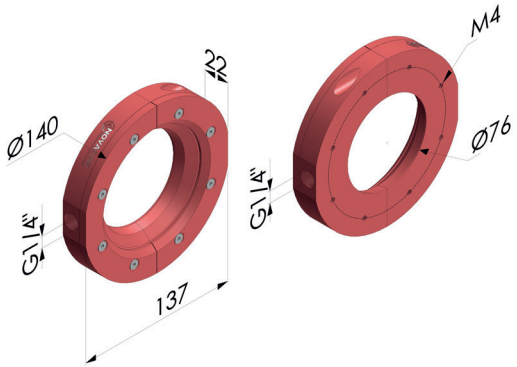
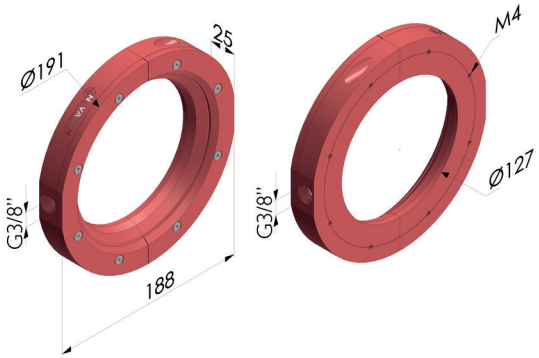
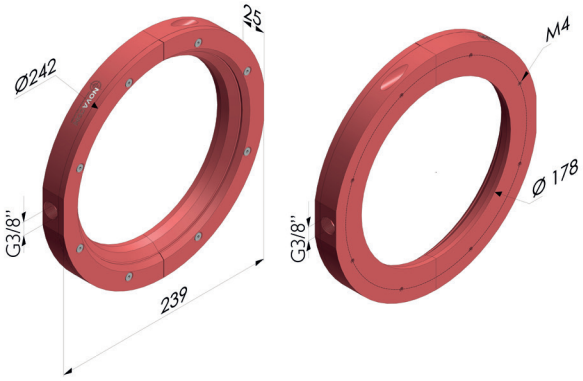


RAC-2 76 Anodized aluminium
RAC-2 76 ACI 316L Stainless Steel

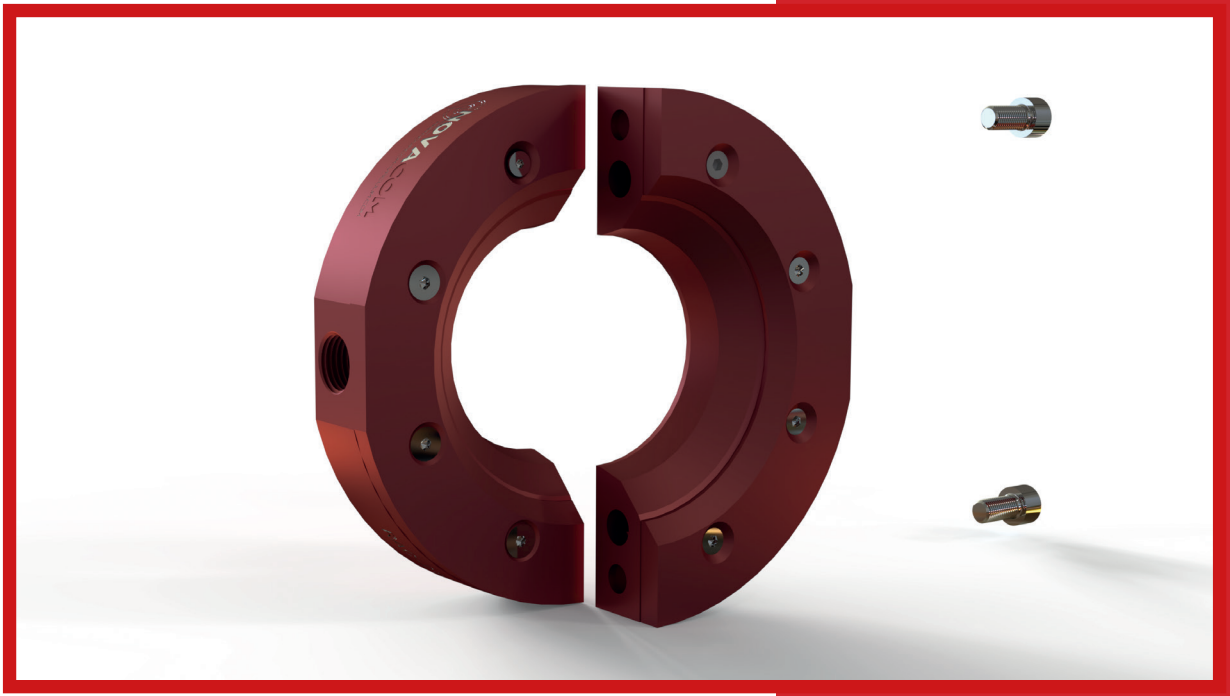


RAC-2 127 Anodized aluminium
RAC-2 127 ACI 316L Stainless Steel



RAC-2 178 Anodized aluminium
RAC-2 178 ACI 316L Stainless Steel

RAC-2 Assembly



Values are given in millimeters.
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Ionizing air knives

RA ION series ionizing air knives enable the neutralization of electrostatic charges and the removal of unwanted particles. Combining an anti-static bar with an air knives, these ionizing air knives can effectively eliminate dust and achieve optimal static-free cleaning.

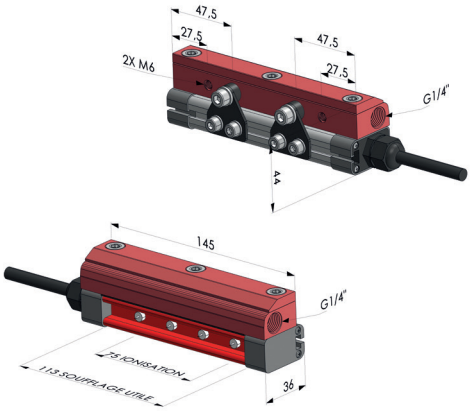
RA ION SPECIFICATIONS

- Supplied with a 3-meter cable
- Optional generator
- Distance between discharge electrodes: 25 mm

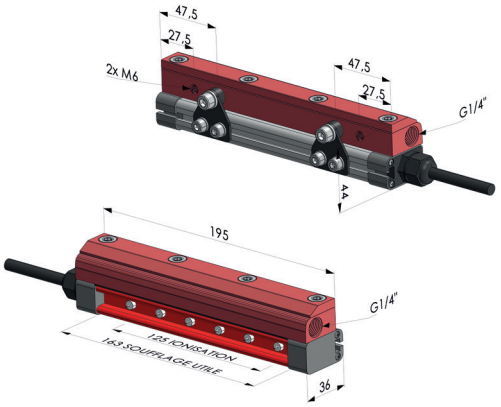
REFERENCE	Pressure (bar)	Air consumption (l/min)	Thrust force (N)		Noise level (dB)	Blowing (l/min)	Connection	Weight (g)	Max. operating temperature
			at 150mm	at 450mm					
RA ION 75	6	450	2,2	2	87	**9000**	2x Female G1/4"	334	**30~150 mm***
RA ION 125		1150	8	7,3	90	**23000**	2x Female G1/4"	433	
RA ION 225		1300	9	8,5	93	**26000**	2x Female G1/4"	631	
RA ION 275		1950	11,5	11	95	**39000**	2x Female G1/4"	730	
RA ION 425		2580	15,1	14,8	95	**51600**	2x Female G1/4"	1030	
RA ION 575		2900	15,1	15	95	**72500**	2x Female G1/4"	1350	
RA ION 725		3600	15,9	15,5	95	**90000**	2x Female G1/4"	1640	
RA ION 875		4000	16,3	15,9	95	**100000**	2x Female G1/4"	1940	

*Data for the ionizing bar when not connected to the photoelectric barrier.

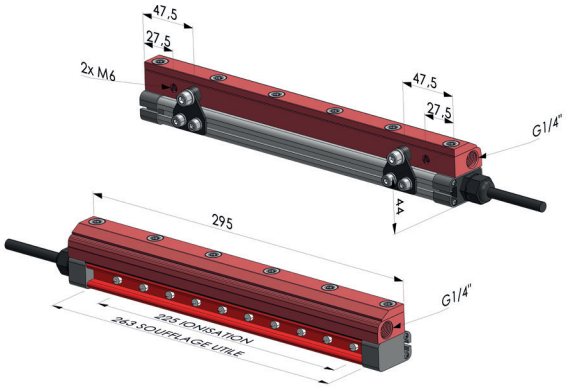
Values are given in millimeters.
www.novacom-vacuum.com



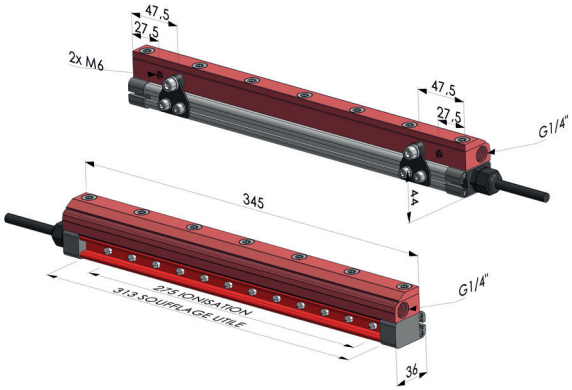
RA ION 75 Anodized aluminium



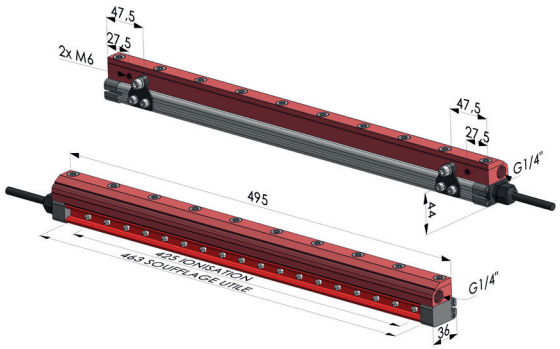
RA ION 125 Anodized aluminium



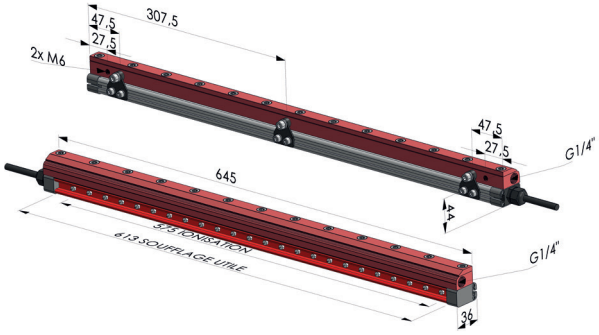
RA ION 225 Anodized aluminium



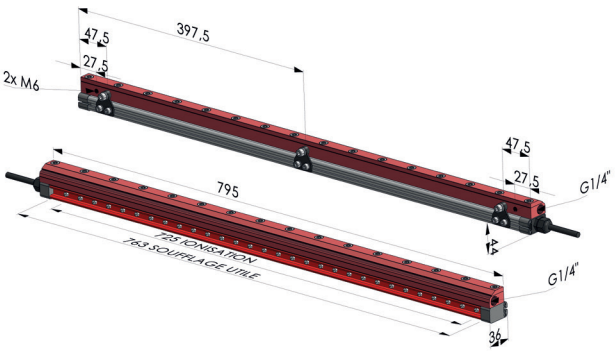
RA ION 275 Anodized aluminium



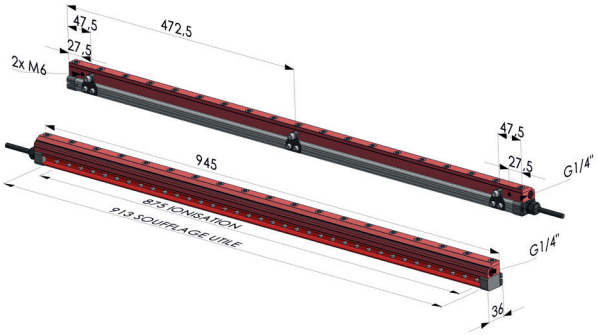
RA ION 425 Anodized aluminium



RA ION 575 Anodized aluminium



RA ION 725 Anodized aluminium



RA ION 875 Anodized aluminium

Values are given in millimeters.
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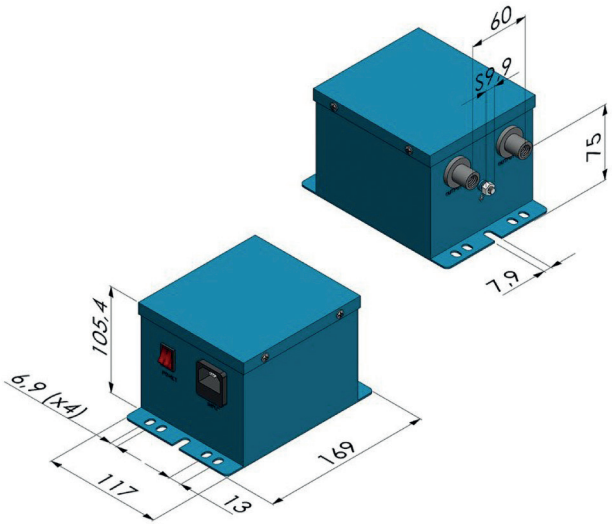
Static neutralizing power supply

STATIC NEUTRALIZING POWER SUPPLY

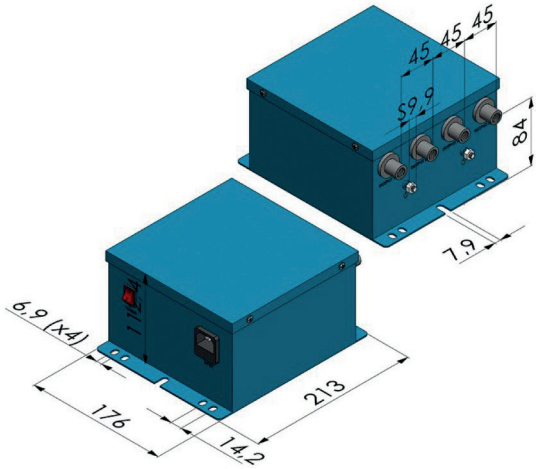
To effectively remove dust and achieve optimal static decaking, an anti-static bar must be combined with an air knife to create an ionized air knife. Thanks to its power and high ion concentration, this ionized airflow enables the neutralization of electrostatic charges and the removal of unwanted particles. Anti-static bars work by generating an electric field composed of positive and negative ions emitted from powered tips via a high-voltage generator.

The ions are attracted to charged materials near the bar, neutralizing the electrical charges. Electrostatic issues are therefore eliminated within the operating area of the bar (or bars).

Reference	Dimensions	Voltage	Power	Output current	Output	Ports	Cable length	Material	Weight (kg)
RA ION GI 2	169x117x105,7mm	220V 50Hz	28W	4mA	5,6kV	2	3m	316L Stainless Steel	2,600
RA ION GI 4	213x176x112mm		50W			4			4,885



RA ION GI 2 Stainless steel



RA ION GI 4 Stainless steel

Values are given in millimeters.
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Electrostatic field meter

ELECTROSTATIC FIELD METER

The CDCS ION is an electrostatic field measuring instrument, specially designed for detecting static electricity. It can also be used for ion balance testing. It uses a new type of non-contact surface sensor to measure the electrostatic field, allowing it to effectively detect static electricity on objects such as plastics, chemical fibers, or leather.

This measuring instrument is easy to use and carry. It is an indispensable tool for anti-static processes and electrostatic treatments.

KEY BENEFITS

- Fast and easy detection
- Simple connection
- Quick readout

APPLICATIONS

- Electrostatic field measurement
- Ion balance testing

Reference	Detection range		Response time	Measurement accuracy	Temperature accuracy	Communication protocol	Power supply	Weight (g)
	Electrostatic potential test mode	Ion balance mode						
CDCS ION	0 ~ ± 60kV	0 ~ ± 200V	<100 ms	± 5%	± 1,5	CAN communication (optional RS485 communication function)	9V Battery	147

CDCS ION Anti-static resin (ABS + PC)

Values are given in millimeters.
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Air Knife Mounting System

DESCRIPTION

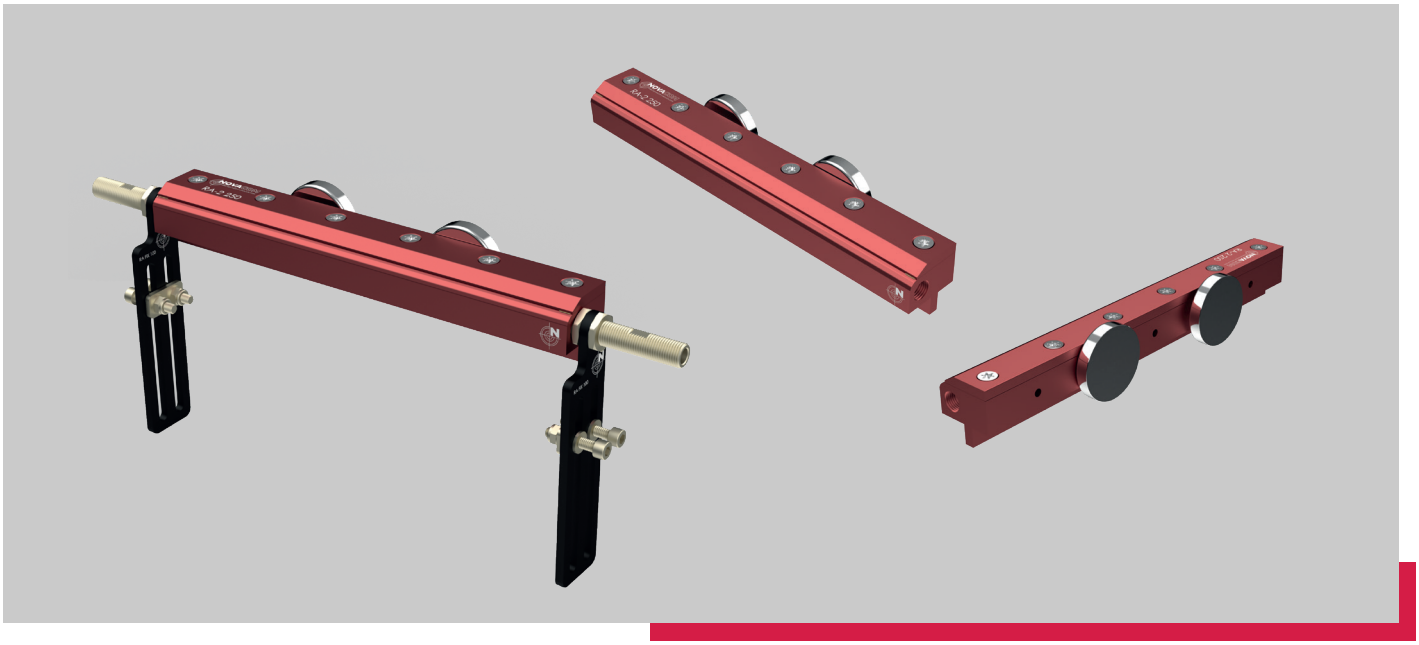
RA FIX mounting brackets are available in aluminum or 316L stainless steel. They are compatible with all single-flow air knife models. The PM 35757 magnetic mounts, compatible with the full NOVACOM air knife range (single-flow and double-flow), make it easy to attach this magnet to your equipment thanks to their M6 screws.

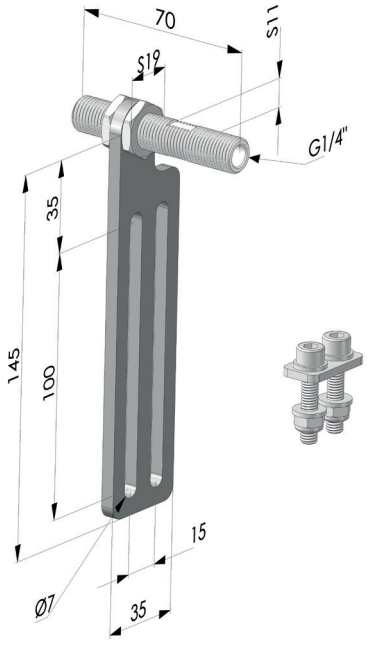
KEY BENEFITS

- Quick assembly.
- Compatible with the RA-2, RA ACI and RA ION series.
- Adjustable travel from 0 to 200 mm.
- Screws and bolts included with the mounting bracket.

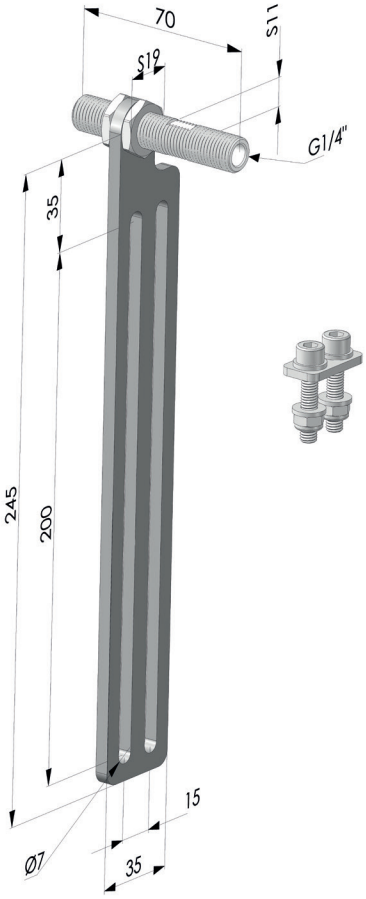
Reference	Compatibility	Screws & nuts	Material	Mounting	Weight (g)
RA FIX 100	RA-2, RA-3, RA ION	4x M6-30 CHC screws and 4x self-locking M6 hex nuts (electro-galvanized steel)	Aluminum body and nickel-plated brass center shaft	Adjustable : 100 mm	118 x 2
RA FIX 100 ACI	RA-2 ACI		316L stainless steel body and center shaft		220 x 2
RA FIX 200	RA-2, RA-3, RA ION		Aluminum body and nickel-plated brass center shaft	Adjustable : 200 mm	143 x 2
RA FIX 200 ACI	RA-2 ACI		316L stainless steel body and center shaft		304 x 2
PM 35747	RA-2, RA-3, RA ION, RA-2 ACI	M6 x 8 mm screw	Chrome-plated steel and hard ferrite	Holding force : 180 N	65 x 2
PM 35757	RA-2, RA-3, RA ION, RA-2 ACI	M6 x 8 mm screw	Chrome-plated steel and hard ferrite	Holding force : 280 N	85 x 2

RA FIX mountings are sold in packs of 2.
PM 35757 magnetic mounts are sold individually.

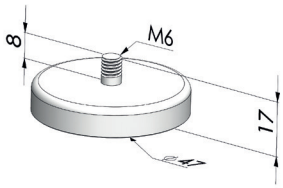




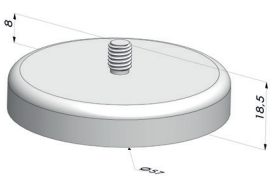
RA FIX 100 ■ Anodized aluminum
RA FIX 100 ACI ■ 316L Stainless steel



RA FIX 200 ■ Anodized aluminum
RA FIX 200 ACI ■ 316L Stainless steel



PM 35747 ■ Chrome-plated steel



PM 35757 ■ Chrome-plated steel

Values are given in millimeters.
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Tubular mounting kit for RA-2 and RA-3 air knives

DESCRIPTION

RA FIX KIT TUBES tubular mountings for air knives are made of aluminum. They are compatible with all single-flow air knife models (RA-2 and RA-3). This kit includes:

- 5 hollow extension tubes TPC A153
- 2 hollow extension tubes TPC A152
- 2 round clamps for cross mounting BRFC A40
- 2 angled perforated clamps BPA A65
- 2 parallel clamps BP 2020
- 2 quick connectors 4801 12 13

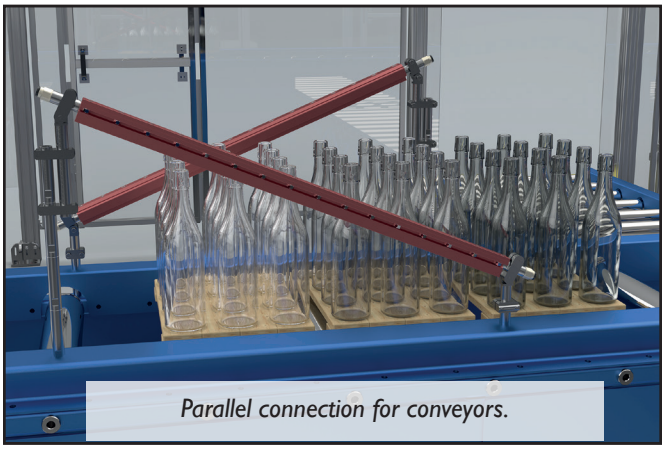
KEY BENEFITS

- Quick assembly.
- Compatible with the RA-2 and RA-3 series.
- Adjustable angle.

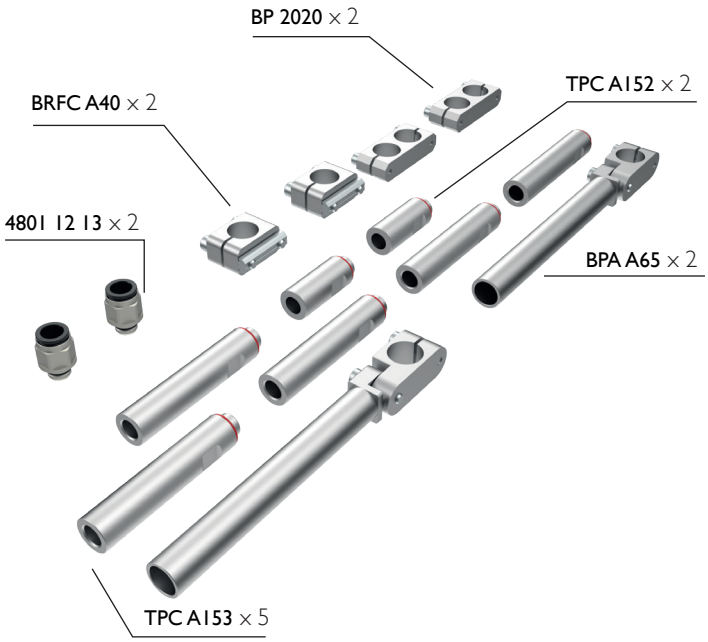
Reference	Compatibility	Products	Material	Weight (g)*
RA FIX KIT TUBE	RA-2 RA-3 RA ION	**TPC A153** × 5 **TPC A152** × 2 **BRFC A40** × 2 **BPA A65** × 2 **BP 2020** × 2 **4801 12 13** × 2	Anodized aluminum mountings Quick connectors in nickel-plated brass	909

*Net weight excluding the air knife

APPLICATIONS



Parallel connection for conveyors.



Values are given in millimeters.
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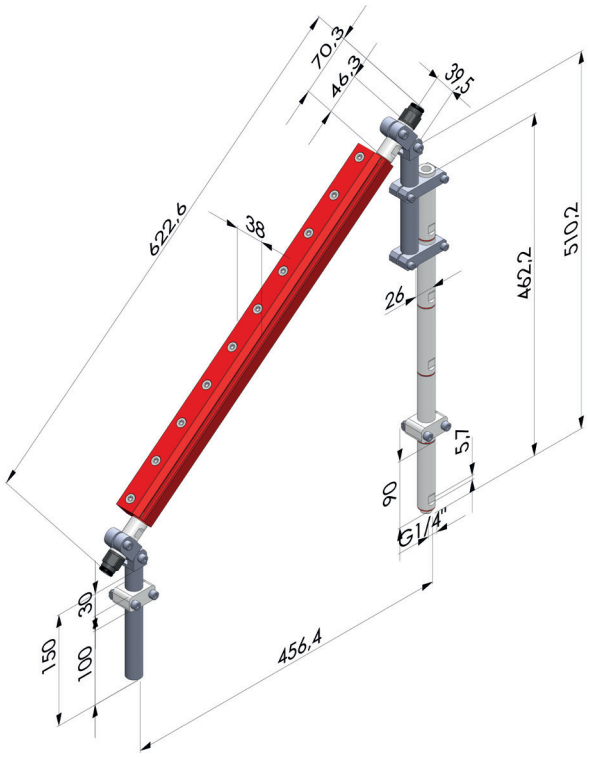
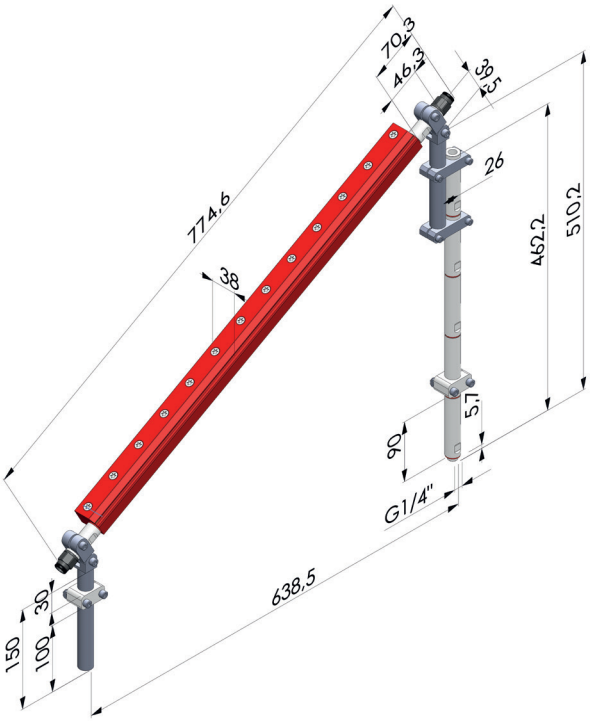


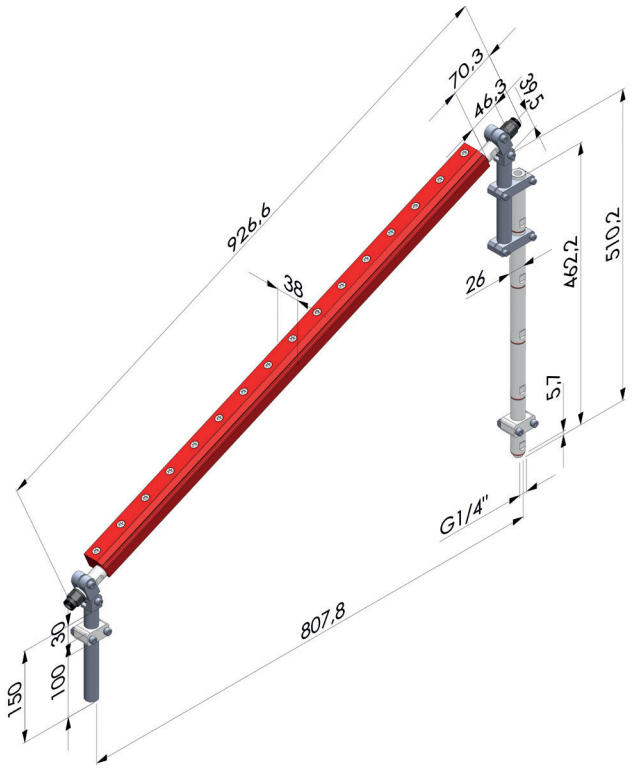
RA-2 450 mounting

RA FIX KIT TUBE Anodized aluminum



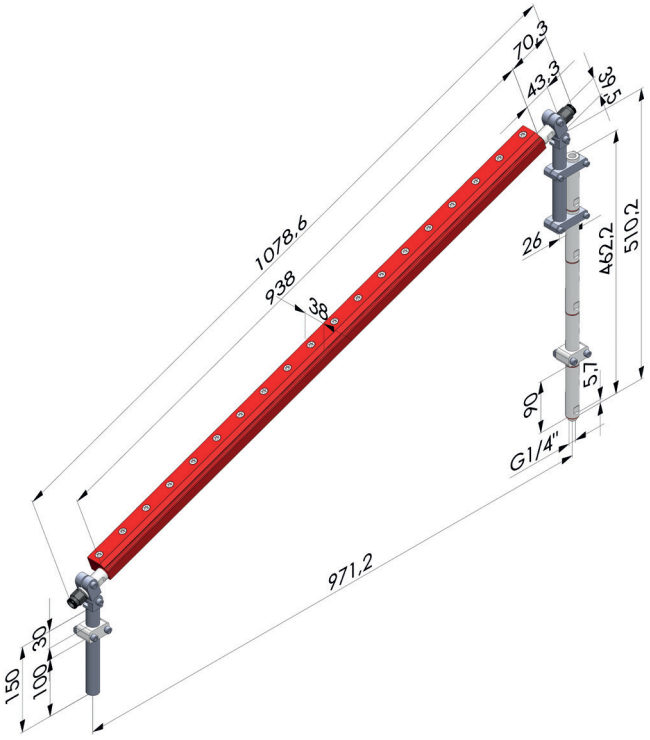
RA-2 600 mounting

RA FIX KIT TUBE Anodized aluminum



RA-2 750 mounting

RA FIX KIT TUBE Anodized aluminum



RA-2 900 mounting

RA FIX KIT TUBE Anodized aluminum

Values are given in millimeters.
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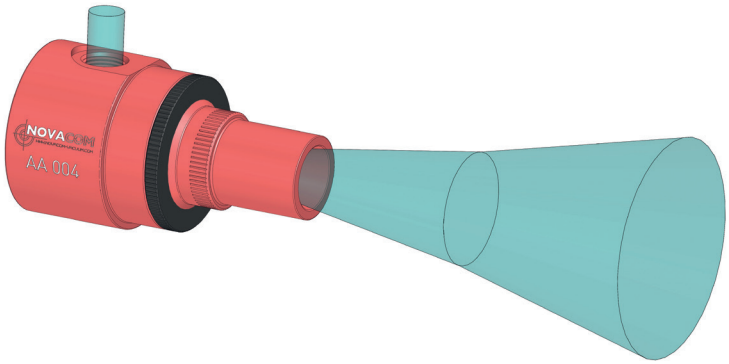
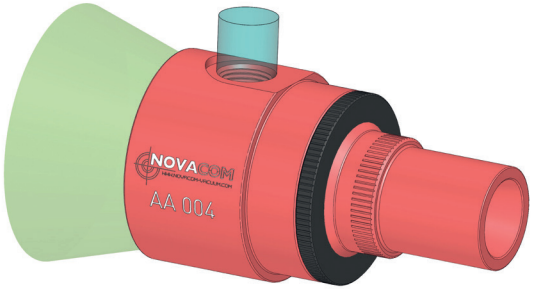
Air amplifiers

Applications for air amplifiers:

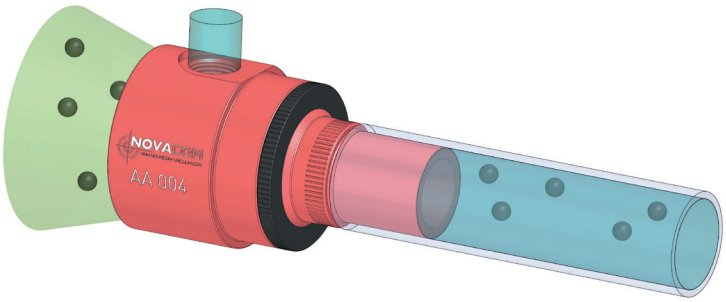
for blowing



for air extraction



for conveying by suction



BLOWING

NOVACOM air amplifiers are essential tools for a variety of industrial blowing operations, leveraging the Coanda effect to increase efficiency and power. These devices can be used to increase airflow velocity in applications like cleaning, where they can dislodge debris more effectively than compressed air alone. Additionally, thanks to air amplification technology, they reduce energy consumption, leading to significant savings. For cooling or drying operations, NOVACOM air amplifiers can improve air distribution, ensuring a faster and more uniform process.

AIR EXTRACTION

NOVACOM air amplifiers are indispensable tools for efficient and safe air extraction operations across various industries. By harnessing the Coanda effect, these devices draw in ambient air when supplied with compressed air, all while being free of moving mechanical parts. They are particularly effective extractors in extreme environments. Furthermore, their extraction power can be used to effectively remove fumes, dust, and other particles in industrial cleaning or ventilation applications.

CONVEYING BY SUCTION

NOVACOM air amplifiers can be used for the pneumatic conveying of materials and granules. Exploiting the Coanda effect principle, these devices optimize the use of compressed air, providing a powerful airflow for the efficient movement of materials. In pneumatic conveying operations, NOVACOM air amplifiers can transport a wide range of materials, from powders and plastics to grains, over long distances without the need for complex mechanical systems. These amplifiers ensure gentle handling, which reduces potential product damage.

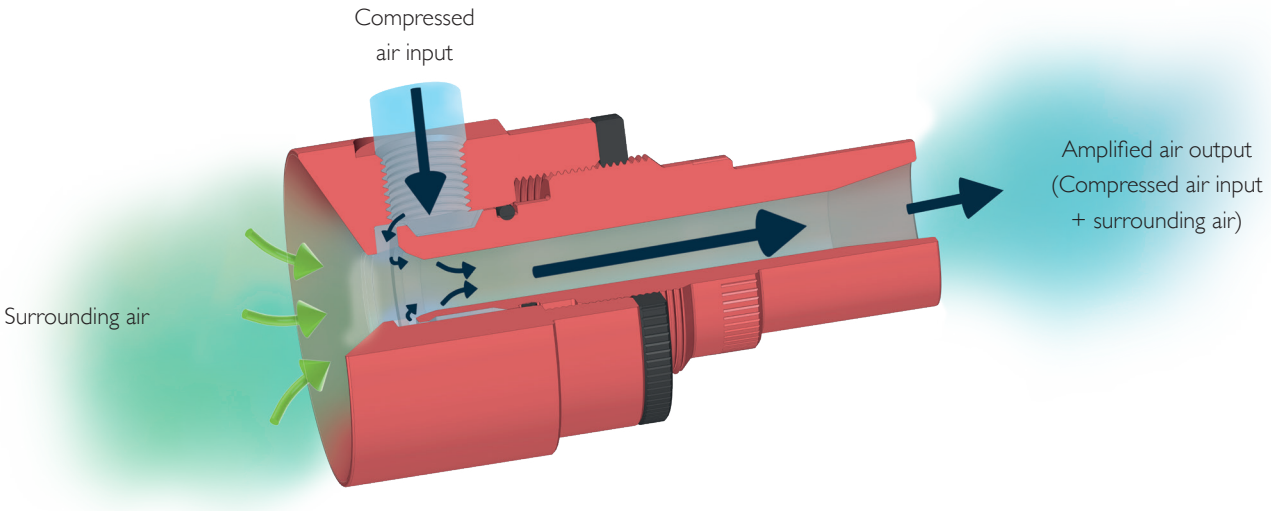
DESCRIPTION

NOVACOM develops and designs air amplifiers in France. They're ideal for blowing operations, conveying, and the extraction of fumes or vapors.

The incoming compressed air produces a high-velocity, constant, and uniform airflow that travels across the entire internal surface of the air amplifier. Thanks to the Coandă effect, a particular phenomenon in fluid mechanics, ambient air is entrained, thereby increasing the initial airflow.

Easily adjust the flow rate to meet your specific needs with its adjustable ring.

PRINCIPLE DIAGRAM OF THE AIR AMPLIFIER



Values are given in millimeters.
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Air Amplifiers

Reference	Pressure (bar)	Air Consumption (l/min)	Noise level (dB)	Aspirated surrounding air (l/min)	Amplified blowing (l/min)	Connection	Inside Ø (mm)	Weight (g)	Max. operating temperature
AA 004	6	550	87,5	**790**	**3600**	Female G1/8"	9,6	Anodized Aluminium : 106 316L Stainless steel: 315	Anodized Aluminium : 150°C 316L Stainless steelL : 450°C
AA 008		950	85	**2860**	**5000**	Female G1/4"	21	Anodized Aluminium: 180 316L Stainless steel : 529 g	Anodized Aluminium : 150°C 316L Stainless steel : 450°C
AA 015		1400	87	**3300**	**13960**	Female G3/8"	41	Anodized Aluminium : 380 316L Stainless steel : 1115	Anodized Aluminium : 150°C 316L Stainless steel : 450°C
AA 025		2000	90	**3350**	**28670**	2x Female G3/8"	57	Anodized Aluminium : 550 316L Stainless steel : 1615	Anodized Aluminium : 150°C 316L Stainless steel : 450°C
AA 030		2100	93	**3350**	**49230**	2x Female G1/2"	76	Anodized Aluminium : 1234 316L Stainless steel : 3627	Anodized Aluminium : 150°C 316L Stainless steel: 450°C

Values are given in millimeters.
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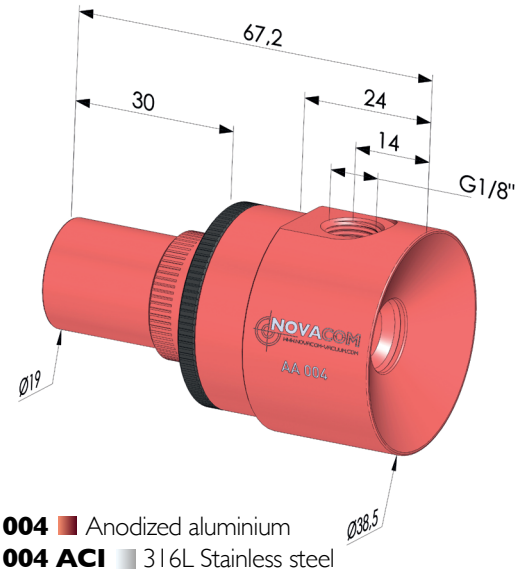
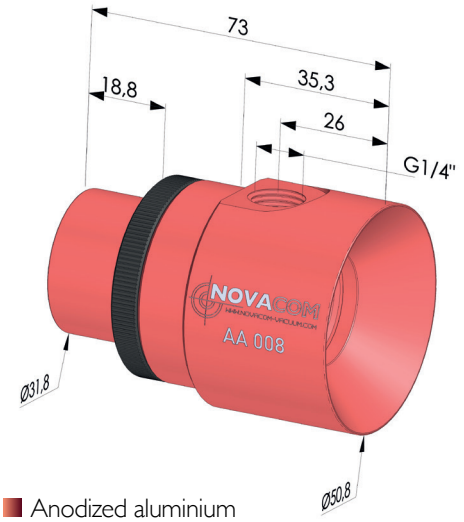
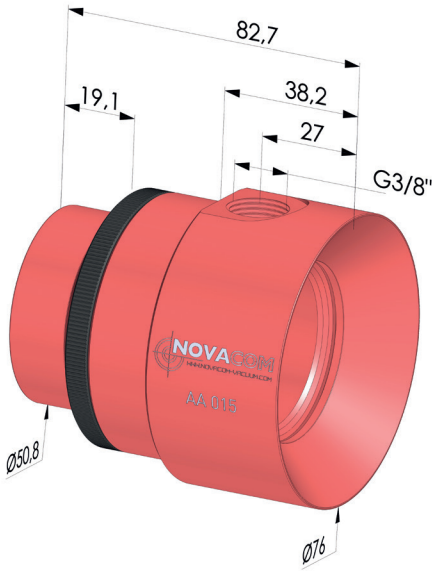


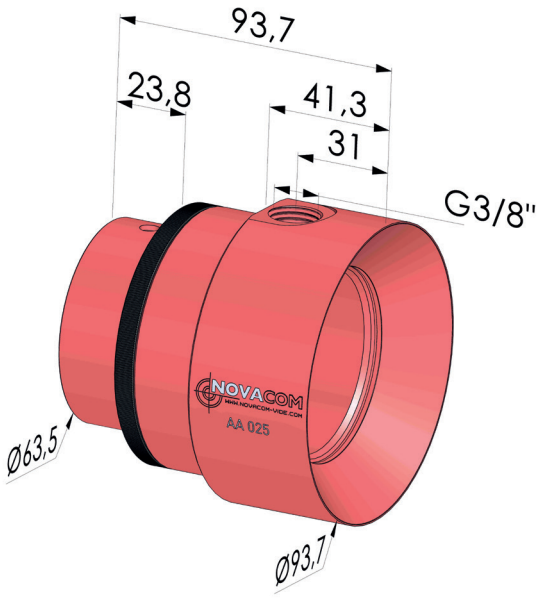
AA 004 Anodized aluminium
AA 004 ACI 316L Stainless steel



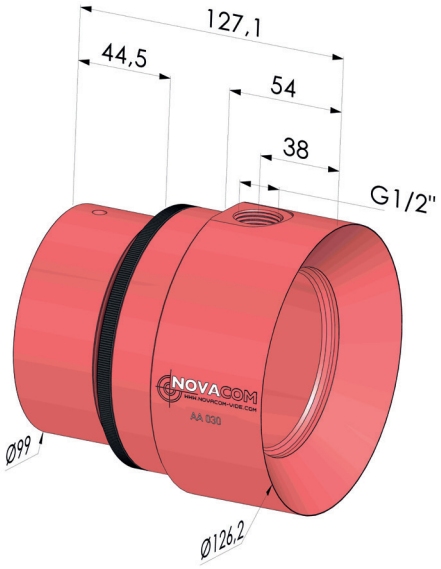
AA 008 Anodized aluminium
AA 008 ACI 316L Stainless steel



AA 015 Anodized aluminium
AA 015 ACI 316L Stainless steel



AA 025 Anodized aluminium
AA 025 ACI 316L Stainless steel



AA 030 Anodized aluminium
AA 030 ACI 316L Stainless steel

Values are given in millimeters.
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The values are given in millimeters

Air amplifiers with articulated flexible hose

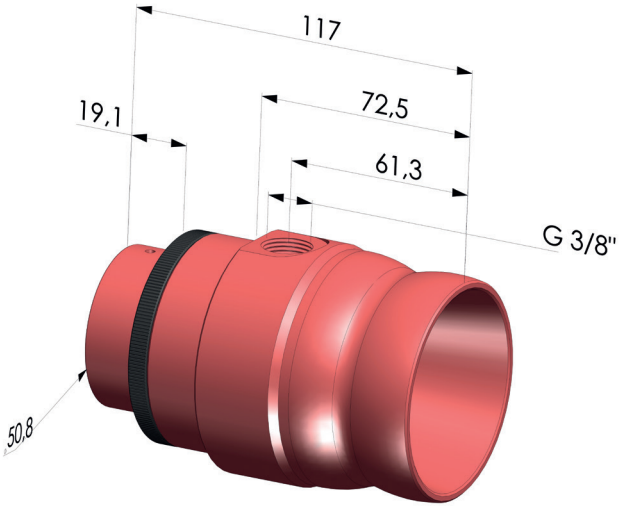
RATIO UP TO 15/1

The NOVACOM AA 015 TO series air amplifier is designed to optimize your suction and blowing applications. Equipped with a 360° adjustable articulated hose, it allows you to precisely direct the air or suction flow where it is needed, without any loss of performance. Its constant internal diameter guarantees a stable flow rate, even when the hose is bent or repositioned.

The use of an articulated hose offers numerous advantages in an industrial environment. At a welding station, it can be directed straight to the source of the fumes to improve air quality and operator safety. In a machining workshop, the hose adapts to fine dust production areas and maintains a constant suction flow, even when working conditions change. It can also be used for targeted blowing, for example, to remove residue from a part before packaging or to cool a localized surface.

This configuration improves daily ergonomics and practicality while reducing adjustment time. Without any electrical moving parts, the air amplifier with an articulated hose provides a simple, economical, and reliable solution for many industrial applications.

Reference	Pressure (bar)	Air Consumption (l/min)	Noise level (dB)	Aspirated surrounding air (l/min)	Amplified blowing (l/min)	Connection	Inside Ø (mm)	Weight (g)	Max. operating temperature
AA 015 TO	**6**	1400	87	**3300**	**13960**	Female G1/8"	41	Anodized Aluminium: 519	Anodized Aluminium : 150°C



AA 015 TO Anodized aluminium
Weight : **519 g**

Values are given in millimeters.
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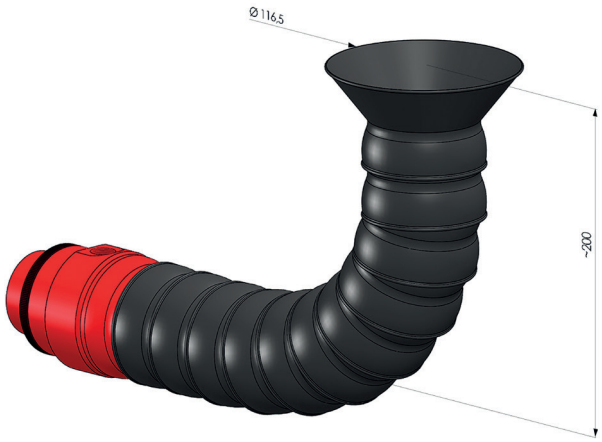
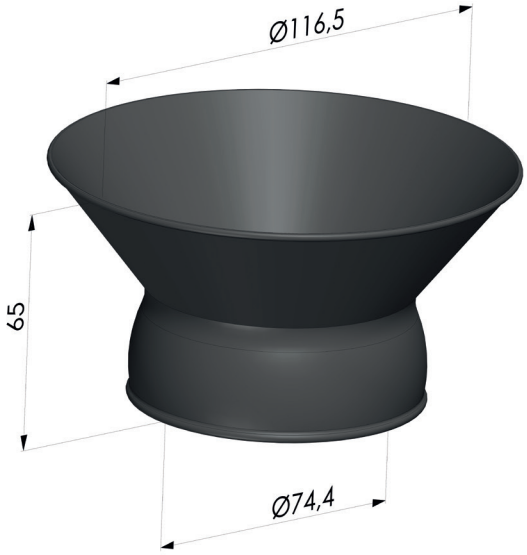
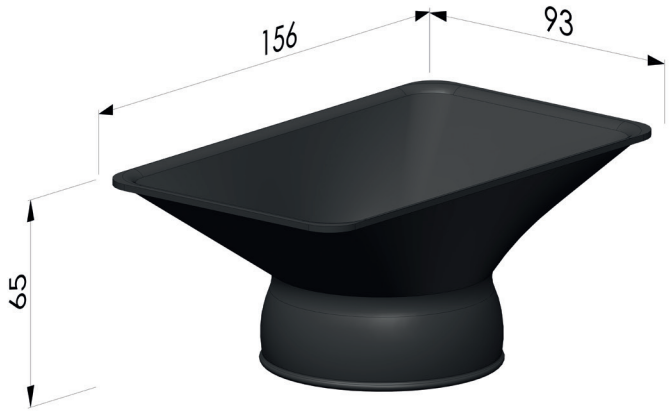
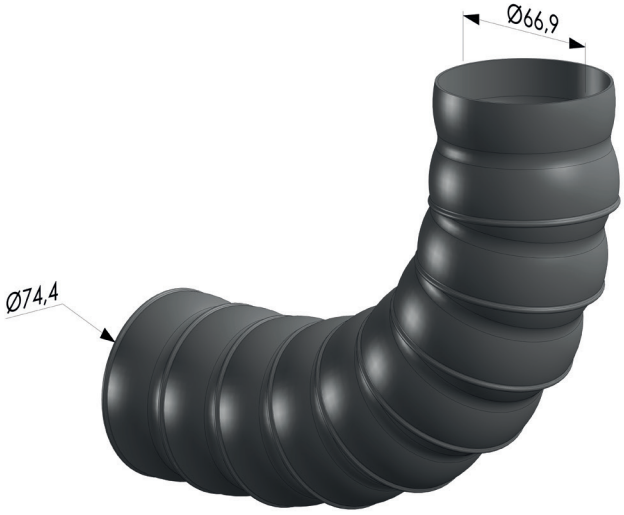




AA 015 TUB BRON ■ Polyoxymethylene
Weight : **54 g**



AA 015 TUB BREC ■ Polyoxymethylene
Weight : **41 g**



AA 015 TUB ■ Polyoxymethylene
Weight : **220 g**

Values are given in millimeters.
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Air Amplifier Accessories

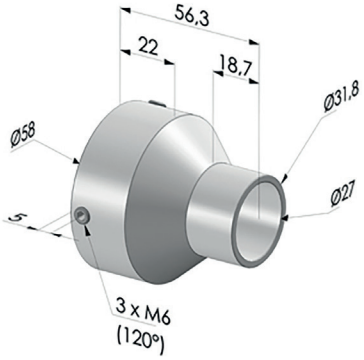
The amplifiers are sold with the brackets.

AIR AMPLIFIER REDUCERS: SIMPLE AND FAST CONNECTION

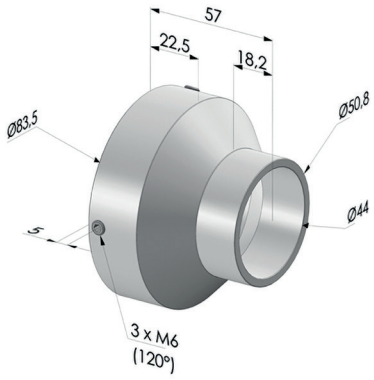
Reducers provide an easy way to connect air amplifiers to existing pipework. They ensure a clean transition between different pipe diameters without compromising system performance. Used in blowing or pneumatic conveying systems, these reducers facilitate the integration of NOVACOM air amplifiers into industrial networks.

Available in various sizes and materials (aluminum, stainless steel), these accessories guarantee quick, secure, and durable assembly. They offer a reliable solution for optimizing the operation of production lines while simplifying installation.

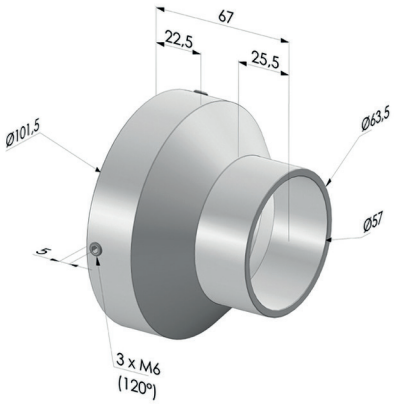
Reference	Compatible	Material	Weight (g)
RED AA 008	AA 008	Anodized aluminium	69
		316L Stainless steel	205
RED AA 015	AA 0015	Anodized aluminium	121
RED AA 025	AA 025	Anodized aluminium	168
RED AA 030	AA 030	Anodized aluminium	353



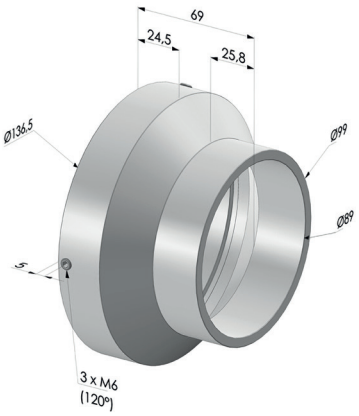
RED AA 008 Anodized aluminium
RED AA 008 ACI 316L Stainless steel



RED AA 015 Anodized aluminium



RED AA 025 Anodized aluminium



RED AA 030 Anodized aluminium

Values are given in millimeters.
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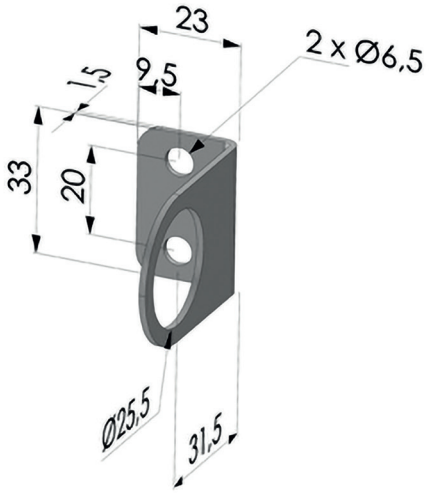
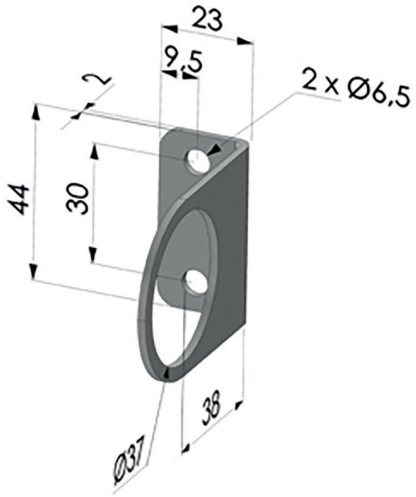
The amplifiers are sold with the brackets.

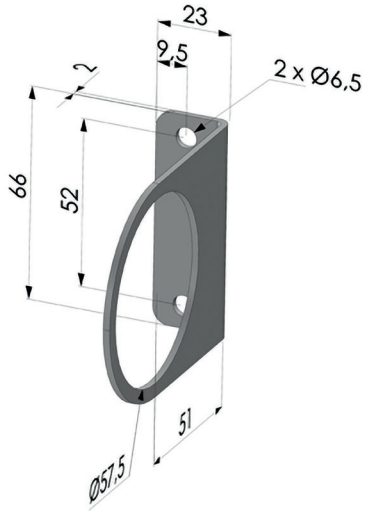
Reference	Compatible		Material	Weight (g)
BRIDE AA 004	AA 004		Anodized aluminium	6,3
BRIDE AA 004 ACI	AA 004 ACI		316L Stainless steel	18,6
BRIDE AA 008	AA 008		Anodized aluminium	10
BRIDE AA 008 ACI	AA 008 ACI		316L Stainless steel	33
BRIDE AA 015	AA 0015	AA 0015 TO	Anodized aluminium	20
BRIDE AA 015 ACI	AA 0015 ACI		316L Stainless steel	57
BRIDE AA 025	AA 025		Anodized aluminium	25
BRIDE AA 025 ACI	AA 025 ACI		316L Stainless steel	60,2
BRIDE AA 030	AA 030		Anodized aluminium	41
BRIDE AA 030 ACI	AA 030 ACI		316L Stainless steel	92,8



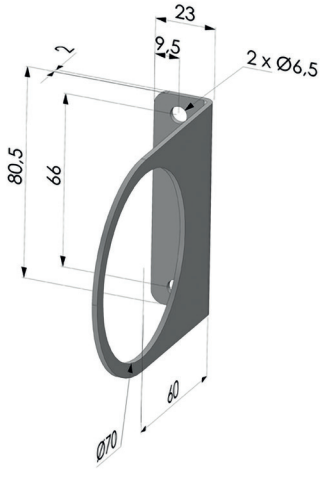
BRIDE AA 004 ■ Anodized aluminium
BRIDE AA 004 ACI ■ 316L Stainless steel



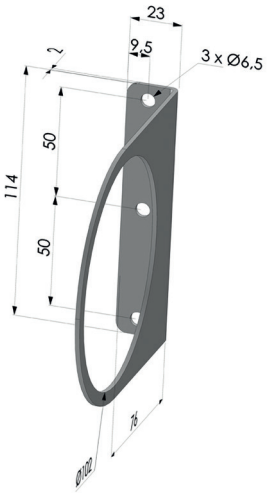
BRIDE AA 008 ■ Anodized aluminium
BRIDE AA 008 ACI ■ 316L Stainless steel



BRIDE AA 015 ■ Anodized aluminium
BRIDE AA 015 ACI ■ 316L Stainless steel



BRIDE AA 025 ■ Anodized aluminium
BRIDE AA 025 ACI ■ 316L Stainless steel



BRIDE AA 025 ■ Anodized aluminium
BRIDE AA 025 ACI ■ 316L Stainless steel

Values are given in millimeters.
www.novacom-vacuum.com

Suction tube CANDAS

AIR AMPLIFIER PRINCIPLE ILLUSTRATION

DESCRIPTION

The CANDAS series suction system functions as a simple portable pneumatic conveyor. It is suitable for both long distances and short routes. It requires no electrical power, not even for control or monitoring components. Thanks to a pressure valve, the flow rate of transported products can be adjusted up to a value of 5 kg per minute. The loading system does not use electricity, switching devices, or level sensors.

KEY BENEFITS

- Very easy and quick cleaning (facilitates changes in materials to be conveyed)
- No breakdowns or downtime
- Very quick commissioning
- Maneuverable and maintenance-free
- Transport capacity from 0 to 5 kg/min for conveying over several meters
- Complete system with shut-off valve, tube and hose, and 180° discharge port

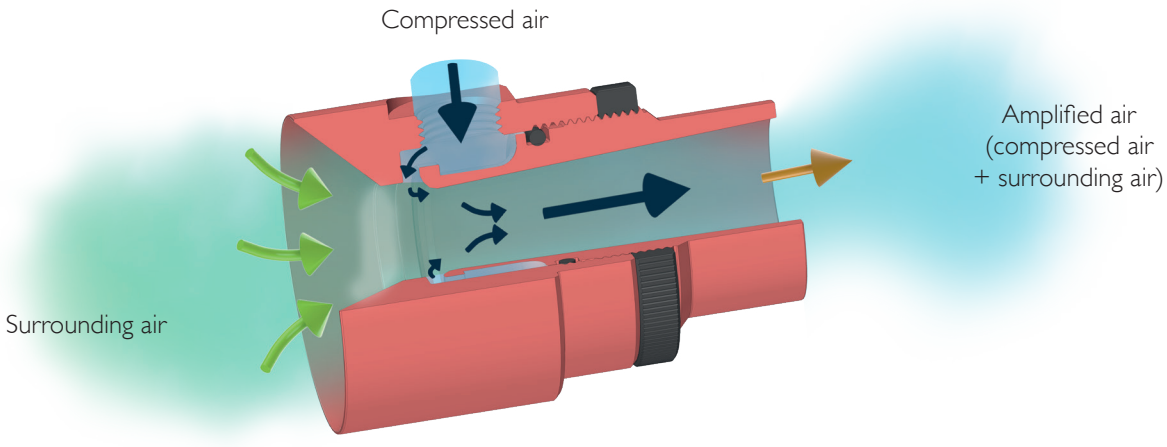
INDUSTRIES

- Plastics Processing
- Food & Beverage
- Cosmetics
- Pharmaceuticals/Chemicals

APPLICATIONS

- Transport of powders, granules, pellets, chips, ...

AIR AMPLIFIER OPERATING PRINCIPLE



This pneumatic conveying system has been designed for the simple transfer of plastic pellets. Compact and easy to install, it fits directly onto injection molding machines, and is also suitable for conveying applications in the food, pharmaceutical and cosmetics industries. It is suitable for both short runs and longer distances. Fully self-contained, it requires no electrical power—neither for operation nor for control.

Thanks to an integrated pressure valve, the user can easily adjust the conveyed product flow rate up to 5 kg per minute, depending on process requirements. This control ensures a steady feed to the machines while optimizing compressed-air consumption (950 L/min at 6 bar).

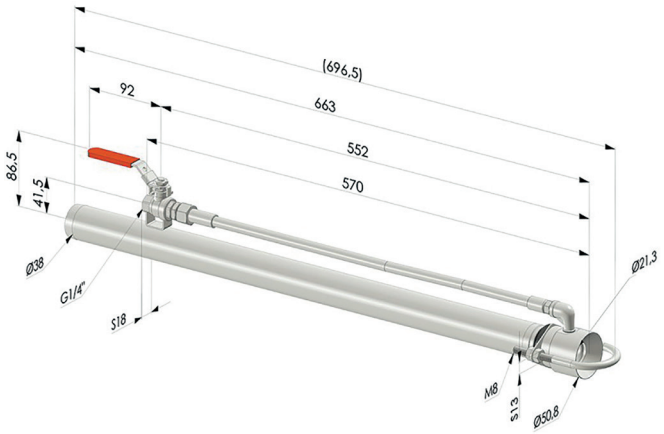
One of the system's key benefits is its simplicity of use. Start-up is immediate, with no complex settings or heavy installation. Cleaning is quick, making material changeovers easier and reducing production downtime. Robust and with no wear parts, it requires no specific maintenance, eliminating the risk of breakdowns or unplanned stoppages.

The system is supplied complete with: a shut-off valve, tube and conveying hose*, and a 180° discharge outlet. The standard length is 3 meters, with custom lengths available on request. This pneumatic conveyor therefore provides an economical, practical and durable solution for feeding plastic pellets to production machines.

REFERENCE	Pressure (bar)	Air Consumption (l/min)	Noise Level (dB)	Aspirated surrounding air (l/min)	Amplified blowing (l/min)	Connection	Inside Ø mm	Weight (g)	Max. operating temperature
CANDAS 008 ACI 316L	**6**	950	85	**2860**	**5000**	Female G1/4"	21	316L Stainless steel : 3175	316L Stainless steel : 80°C

*Tube Ø 38 mm, length 3 m, food-grade PVC

RATIO UP TO 13/1



CANDAS 008 ACI 316 L 316L Stainless steel

The values are given in millimeters

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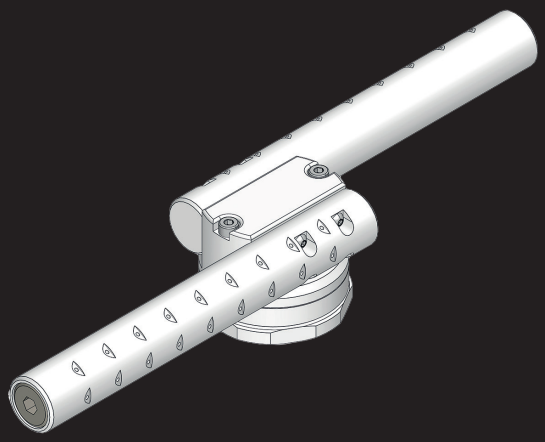
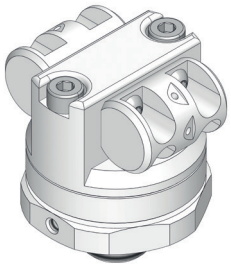
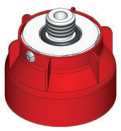
Custom development in R&D

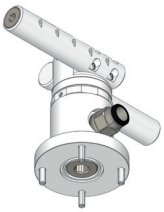




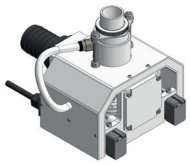
ROTATING BLOWING NOZZLES



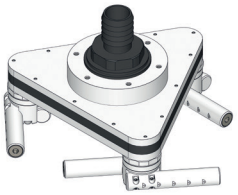
Protective cover



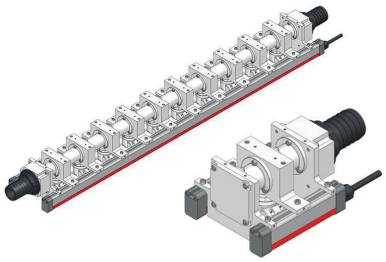
Bracket



Rotating suction and ionizing manifold



Rotating manifold



Rotating ionizing manifold

NOVACOM ADAPTS TO YOUR NEEDS TO CREATE SPECIFIC PARTS.

NOVACOM rotating blow-off nozzles are specially developed to meet the precise technical requirements of industrial processes that demand high-performance cleaning, drying, or dust removal. Thanks to their innovative system, these nozzles rotate using compressed air and are equipped with flat-jet nozzles, ensuring optimal and uniform sweeping of the treated surfaces.

This unique design guarantees maximum efficiency, even on complex parts or in hard-to-reach areas. Highly valued in sawmills, for electronic components, and for tank cleaning, they effectively remove dust and wood residues from boards and materials at the end of production. This improves the quality of the finished product and protecting operators' health.

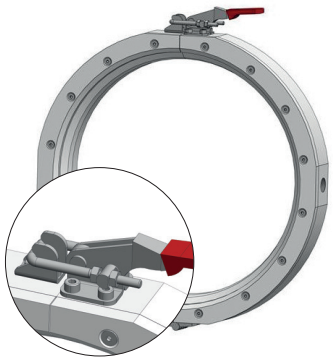
JD TAILOR-MADE BLOWING NOZZLE ASSEMBLY

Project JD demonstrates NOVACOM's expertise in designing custom blow-off solutions for demanding industrial environments.
The objective: to develop a system capable of effectively cleaning tractor cylinder heads by removing oils and machining chips, while meeting the constraints of the production line.
To achieve this, our engineering department designed a blow-off enclosure perfectly integrated into the existing process, combined with a blow-off manifold that keeps chips in place to prevent any contamination of the line.

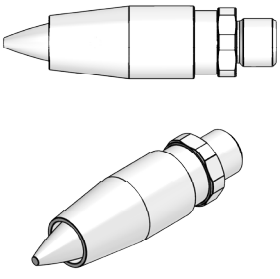
The blow-off nozzles, selected from our flat-jet, round-jet, or economical ranges, were strategically positioned to target critical areas and ensure precise, efficient cleaning.

Managed from A to Z by our technical and sales teams, this project benefited from tailored support and ongoing dialogue with the customer. This collaboration highlights NOVACOM's ability to deliver innovative, reliable equipment perfectly adapted to customers' production realities.

OTHER CUSTOM PROJECTS UNDER DEVELOPMENT



RAC-2 250



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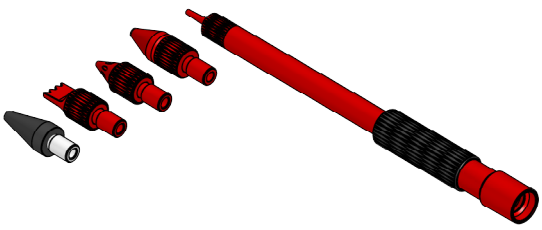

STY SOU

> FOR MORE INFORMATION AND TECHNICAL DETAILS, PLEASE CONTACT OUR DESIGN OFFICE AND DEDICATED TECHNICIANS.

Values are given in millimeters.
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NOVACOM ACROSS EUROPE

Whether you're in France or anywhere in Europe, our experts come to you on site to help you solve your blowing, suction cup, vortex and venturi challenges.

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