



STREAMTEKTM PRODUCT CATALOG

CONTACT US



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Worldwide: 1-705-770-4455

At Streamtek Corp. we strive to provide our clients with superior customer service and the best quality in compressed air products. We find that building long-term customer relationships based on trust and high service standards will help us better address your needs and concerns.



Air Wipes

Use Air Wipe to Clean, Blowoff, Dry, and Cool Cable, Pipe, Hose and Extruded Shapes.

Streamtek's Air Wipes provide a laminar 360 degree airflow around circular objects. The unique split design makes it easy to clamp around surfaces. The Air Wipe is ideal for blow-off, cleaning, drying, and cooling of extruded shapes, hoses, pipes, cables, wires and more.

Streamtek carries two types of Air Wipe models. The **Regular Air Wipe** is best suited for applications in non-corrosive environments where temperatures do not exceed 15°F (66°C). On the other hand, the **Hi-Temp Air Wipe** is best suited for high temperature environments up to 800°F (427°C).

Air Wipe Features

- Uniform 360 degree airflow
- Lightweight
- Split, compact design – easy to install
- Quiet
- No moving parts
- Air-driven – no electricity

Air Wipe Applications

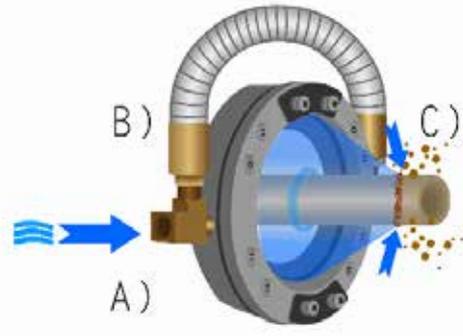
The Air Wipe is best suited for applications in non-corrosive environments where temperatures do not exceed 15°F (66°C). It is constructed using a regular air hose, aluminum body, stainless steel screws, and stainless steel shims.

- Remove excess water and oil
- Uniformly wipe surfaces
- Cool hot extruded shapes
- Clean paint gun tips:
 - Dry after wash, cleaning, plating, or coating
 - Blow-off dust and contaminants
 - Eliminate solution carryover
 - Dry rod and medical tubing



How do Air Wipes Work?

- A)** Compressed air flows through a standard 1/4" NPTF inlet and into an annular chamber.
- B)** The compressed air is then throttled through a small ring nozzle at high velocity.
- C)** The airstream clings to the 'coanda' profile and is angled to create a "cone" of air to wipe, dry and clean a surface.
- D)** The surrounding air is entrained, creating a high volume flow of air into the primary air-stream.
- E)** The wet and/or direct material should travel against the flow.



Air Wipes



Air Wipe Shims
Shims for our Air Wipes helps you Air wipes nicely sit on other surface where you are installing it.

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Specifications

The **Air Wipe** is best suited for applications in non-corrosive environments where temperatures do not exceed 15°F (66°C). It is constructed using a regular air hose, aluminum body, stainless steel screws, and stainless steel shims.

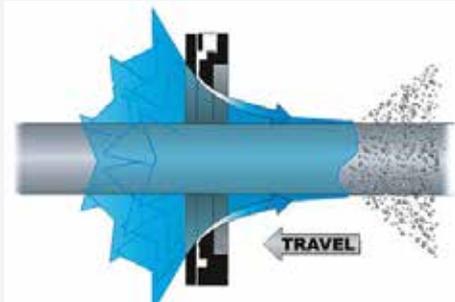
The **Air Wipe** is available in seven standard **IN-STOCK** throat diameters (I.D.) of 1/2" (13 mm), 1" (25 mm), 2" (51 mm), 3" (76 mm), 4" (102 mm), 5" (127 mm) and 6" (152 mm). For special diameters contact us.

Materials of Construction:

The Air Wipe is constructed of aluminum. All models use stainless steel shims, general purpose PVC air hose, brass fittings, and black oxide 1/4-20 screws.

Air Supply Filtration:

It is imperative that clean compressed air is used. An automatic drain filter with a 5 micron filter element is strongly recommended.



Air Wipe Applications



Blow Water Off Trim

The Model RB002A 2" Aluminum Air Wipe is used to blow excess water off extruded trim. The unique aluminum profile of the Air Wipe provided enough clearance for the trim, and enough airflow to evenly dry the trim and remove the water as it passed through the Air Wipe at high speeds.



360° Blow-Off (Extruded Profiles)

The 3" Air Wipe System (Model No. RB003A) is used to blow-off excess water from an extruded plastic profile. The split design of our Air Wipe unlatches easily to eliminate tedious threading. The circular flow of air from the air wipe gives a forceful, even flow that circles the extruded profile, completely removing water/dirt/etc.

Air Wipe Facts

What is the recommended pressure that should be used with the Air Wipe?

Always try to use the lowest pressure that is possible for your application. Always use a pressure regulator to increase force/airflow to the point where your application problem is rectified. The maximum pressure of the Air Wipe is 250 PSIG.

Can I connect the cold end of a Vortex Tube to an Air Wipe?

No. This would cause an airflow restriction which would instantly produce back-pressure in excess of 5 PSIG! When this back-pressure is exceeded, performance of the Vortex Tube will be negatively impacted.

Why use the Air Wipe, instead of the compressed air pipe with holes drilled in it?

The compressed air is amplified with a 30:1 ratio using the surrounding air to produce its high volume airflow. This

will provide enough airflow to dry, cool, and clean while paying a fraction of the cost it would be to that of using straight compressed air.

What is the angle of the airflow from the Air Wipe?

The product traveling through the Air Wipe is hit by the airflow at a 30° angle (60° included angle)

To make your purchases as easy and convenient as possible, we have installed a variety of methods for payment, which include: credit cards, wire transfers, cheques and PayPal.

Regular Air Wipe Specifications

Regulation:

A pressure regulator installed in-line with the compressed air supply will provide infinite control of air consumption, force and flow! Our Deluxe Kits include a regulator /w gauge that is properly sized for flow.

Best Price on Market

Lowest Price in the industry! Find a competitors equivalent Air Wipe for less? Contact our factory and we will beat it by 20%; it's our standard policy.

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Air Consumption*						
Air Consumption per inch. With .002" (0.05mm) Shim						
* Based on Amplification Ratio 30:1. The Airflow out would be 30x more						
PRESSURE SUPPLY	1/2"	1"	2"	3"	4"	6"
20 PSIG (1.4 Bar)	4 (133 SLPM)	11 (311 SLPM)	15 (425 SLPM)	19 (538 SLPM)	23	30
40 PSIG (2.8 Bar)	7 (198 SLPM)	17 (481 SLPM)	23 (651 SLPM)	29 (821 SLPM)	35	47
60 PSIG (4.1 Bar)	11 (311 SLPM)	24 (679 SLPM)	32 (906 SLPM)	40	48	64
80 PSIG (5.5 Bar)	13 (368 SLPM)	32 (906 SLPM)	42	52	56	84
100 PSIG (6.4 Bar)	17 (481 SLPM)	36	48	61	73	97
120 PSIG (8.4 Bar)	20 (566 SLPM)	42	57	71	85	114

Air Wipes

Compressed Air Inlets:

The Regular Air Wipe has (2) 1/4" NPTF compressed air inlets; one on each half. A general purpose PVC hose is supplied to distribute the compressed air to each side of the Air Wipe. For special order sizes 9" (229 mm) and above, each half must be supplied with it's own compressed air to ensure a uniform airflow.

Mounting:

There are multiple 1/4-20 tapped holes on the bottom of the Regular Air Wipe which can be used for mounting purposes. A rigid compressed air supply pipe can also support the Air Wipe!

How can I mount the Air Wipe?

There are two (2) ways you can mount the Streamtek Air Wipe. Use rigid compressed air pipe to support unit. 1/4"-20 mounting holes on the bottom of the air wipe. The holes are 1/2" depth thread, ideal for a bracket fabricated by the customer.

Shims:

The Regular Air Wipe comes pre-installed with a .002" (.05 mm) Stainless Steel shim. Both force and flow can be increased by adding an additional shim to open the gap to .004" (.10 mm). The compressed airflow exhausts through a 'slit' which is set with the shim resting between the body and cap of the Regular Air Wipe.

Drilled Pipe Air Consumption**

PRESSURE SUPPLY	1/16" (1.59mm) Diameter Hole		3/32" (2.38mm) Diameter Hole		1/8" (3.18mm) Diameter Hole		3/16" (4.76mm) Diameter Hole		1/4" (6.35mm) Diameter Hole	
	SCFM	SLPM	SCFM	SLPM	SCFM	SLPM	SCFM	SLPM	SCFM	SLPM
20 PSIG (1.4 Bar)	1.5	42.4	3.4	96.2	6.3	178.3	14.7	416.0	26.0	735.8
40 PSIG (2.8 Bar)	2.1	65.0	5.5	155.7	10.1	285.8	23.0	650.9	40.0	1132.0
60 PSIG (4.1 Bar)	3.1	87.7	7.5	212.3	14.2	401.9	31.0	877.3	54.0	1528.2
80 PSIG (5.5 Bar)	3.9	110.4	9.4	266.0	17.5	495.3	40.0	1132	70.0	1981.0
100 PSIG (6.4 Bar)	4.6	130.2	11.7	331.1	21.7	614.1	47.5	1344.3	83.0	2348.9
120 PSIG (8.4 Bar)	5.4	152.8	13.9	393.4	25.9	733.0	56.3	1593.3	96.0	2716.8

Regular Air Wipe Description

Unit Only

Model #	Inside Diameter	Material
RB012A	1/2"	Aluminum
RB001A	1"	Aluminum
RB002A	2"	Aluminum
RB003A	3"	Aluminum
RB004A	4"	Aluminum
RB005A	5"	Aluminum
RB006A	6"	Aluminum

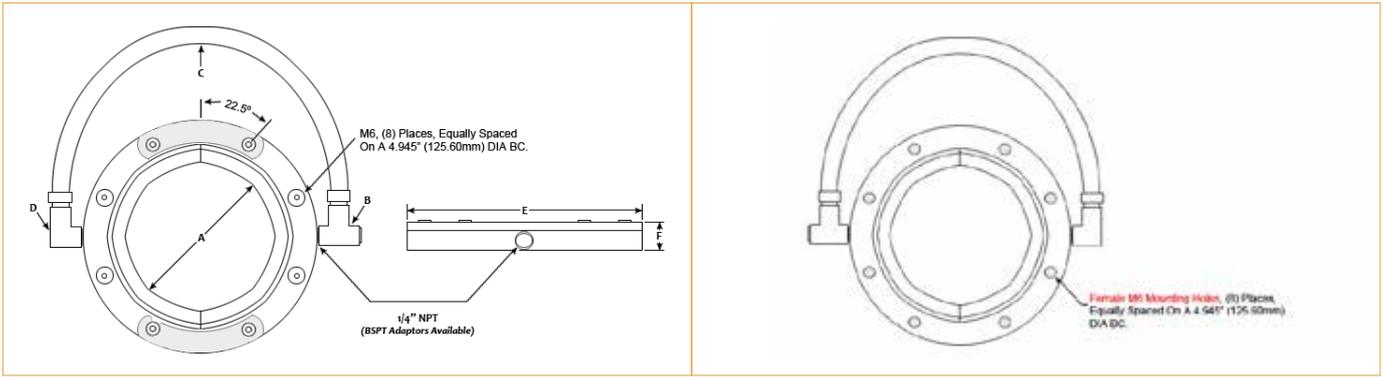
Standard Kit: Unit and Filter Separator

Model #	Inside Diameter	Material
RB012A-1	1/2"	Aluminum
RB001A-1	1"	Aluminum
RB002A-1	2"	Aluminum
RB003A-1	3"	Aluminum
RB004A-1	4"	Aluminum
RB005A-1	5"	Aluminum
RB006A-1	6"	Aluminum

Deluxe Kit: Unit, Filter Separator, and Pressure Regulator /w Gauge.

Model #	Inside Diameter	Material
RB012A-2	1/2"	Aluminum
RB001A-2	1"	Aluminum
RB002A-2	2"	Aluminum
RB003A-2	3"	Aluminum
RB004A-2	4"	Aluminum
RB005A-2	5"	Aluminum
RB006A-2	6"	Aluminum

Regular Air Wipe & Hi-Temp Air Wipe Dimensions



DIMENSIONS: Regular Air Wipe & Hi-Temp Air Wipe						
SIZES	A	B (Inlet)	C (Hose)	D	E	F
1"	1.00" (25 mm)	1/4" NPTF	3/8"	--	3.70" (94 mm)	1.15" (29 mm)
2"	2.00" (51 mm)	1/4" NPTF	3/8"	--	4.70" (119 mm)	1.15" (29 mm)
3"	3.00" (76 mm)	1/4" NPTF	3/8"	--	5.70" (145 mm)	1.15" (29 mm)
4"	4.00" (102 mm)	1/4" NPTF	3/8"	--	6.70" (170 mm)	1.15" (29 mm)
5"	5.00" (127 mm)	1/4" NPTF	3/8"	--	7.70" (196 mm)	1.15" (29 mm)
6"	6.00" (152 mm)	1/4" NPTF	3/8"	--	8.70" (221 mm)	1.15" (29 mm)

Air Wipe Facts to know

Easy to install, maintain, and allows for quick removal of a continuous piece.

OSHA requirements for maximum noise and dead end pressure are met.

Maintenance-free with the airflow easily controlled via pressure regulator. It is safe to use.

Lowest Price in the industry! Find a competitors equivalent Air Wipe for less? Contact our factory and we will beat it by 20%. It's our standard policy.

Specifications: Hi-Temperature Air Wipe

What are the materials of construction?

The Hi-Temp Stainless Steel Air Wipe features a stainless steel body, stainless steel shims, stainless steel fittings, and a stainless steel braided hose connecting the twin pieces. While the Aluminum Air Wipe features an aluminum body, stainless steel shims, brass fittings, and a rubber hose connecting the twin pieces.

Air Consumption*: Hi-Temp Air Wipe										
* Based on Amplification Ratio 30:1. The Air flow out would be 30x the below										
PRESSURE SUPPLY	Air Consumption per inch. With .002" (0.5mm) Shim					Air Consumption per inch. With .004" (0.10mm) - Shim Added				
	1"	2"	3"	4"	6"	1"	2"	3"	4"	6"
20 PSIG (1.4 Bar)	11	15	19	23	30	22	29	38	44	59
40 PSIG (2.8 Bar)	17	23	29	35	47	35	47	59	71	95
60 PSIG (4.1 Bar)	24	32	40	48	64	58	77	97	116	155
80 PSIG (5.5 Bar)	32	42	52	56	84	60	80	100	120	161
100 PSIG (6.4 Bar)	36	48	61	73	97	77	96	121	155	193
120 PSIG (8.4 Bar)	42	57	71	85	114	85	113	142	170	226

Must check products from our catalog

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Vortex Tubes

Vortex Tube is an effective, low-cost solution to a wide variety of industrial spot cooling and process cooling needs.

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Hi-Temp Adjust. Air Amplifier

Its ideal for moving hot air to surfaces which require uniform heating while in a furnace or oven.

Drilled Pipe Air Consumption: Chart

	1/16" (1.59mm)		3/32" (2.38mm)		1/8" (3.18mm)		3/16" (4.76mm)		1/4" (6.35mm)	
PRESSURE SUPPLY	SCFM	SLPM	SCFM	SLPM	SCFM	SLPM	SCFM	SLPM	SCFM	SLPM
20 PSIG (1.4 Bar)	1.5	42.4	3.4	96.2	6.3	178.3	14.7	416.0	26.0	735.8
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120 PSIG (8.4 Bar)	5.4	152.8	13.9	393.4	25.9	733.0	56.3	1593.3	96.0	2716.8

Hi-Temp Air Wipe Description

Stainless Steel Unit Only - Up to 400°F (204°C)



Model #	Inside Diameter	Material	Air Consumption (SCFM @ 80PSIG)
RB001S	1"	Stainless Steel	32
RB002S	2"	Stainless Steel	42
RB003S	3"	Stainless Steel	52
RB004S	4"	Stainless Steel	56
RB005S	5"	Stainless Steel	62
RB006S	6"	Stainless Steel	84

Stainless Steel Standard Kit - Up to 400°F (204°C)



Model #	Inside Diameter	Material	Air Consumption (SCFM @ 80PSIG)
RB001S-1	1"	Stainless	32
RB002S-1	2"	Stainless	42
RB003S-1	3"	Stainless	52
RB004S-1	4"	Stainless	56
RB005S-1	5"	Stainless	62
RB006S-1	6"	Stainless	84

Stainless Steel Deluxe Kit - Up to 400°F (204°C)



Model #	Inside Diameter	Material	Air Consumption (SCFM @ 80PSIG)
RB001S-2	1"	Stainless	32
RB002S-2	2"	Stainless	42
RB003S-2	3"	Stainless	52
RB004S-2	4"	Stainless	56
RB005S-2	5"	Stainless	62
RB006S-2	6"	Stainless	84

Air Wipe Accessories

Looking for accessories for our Air Wipes? Here are some of the accessories we offer. You can find more information starting on [page 47](#).

Filter Separators

Model #	Description
FTR014-2	1/4" NPT Auto Drain Filter, 43 SCFM
FTR038-1	3/8" NPT Auto Drain Filter, 75 SCFM
FTR012-2	1/2" NPT Auto Drain Filter, 100 SCFM
FTR034-1	3/4" NPT Auto Drain Filter, 230 SCFM
FTR100-1	1" NPT Auto Drain Filter, 300 SCFM

Oil Removal Filters

Model #	Description
OIL014-1	1/4" NPT Auto Drain Filter, 24 SCFM
OIL038-1	3/8" NPT Auto Drain Filter, 37 SCFM
OIL034-1	3/4" NPT Auto Drain Filter, 180 SCFM

Pressure Regulators

Model #	Description
PR014-1	1/4" NPT Regulator, 49 SCFM
PR038-1	3/8" NPT Regulator, 84 SCFM
PR012-1	1/2" NPT Regulator, 84 SCFM

