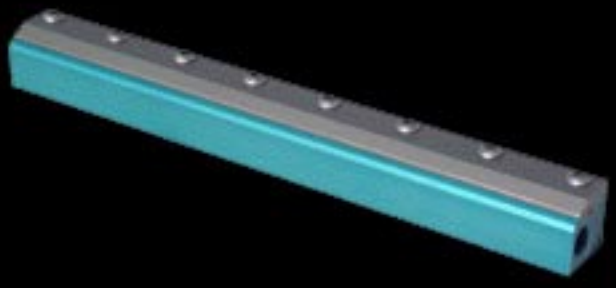
Leading Technology Into The Future

NEX FLOW™

Technologies Inc.

AIR-BLADE™ AIR KNIFE

AIR-BLADE™ AIR KNIFE





Anodized Aluminum and Stainless Steel Air-Blades can reduce noise levels up to 10% and air consumption from 40% to 90% by replacing drilled pipe & open jets.

The “good” air knife blow-off curtain system.

Reduce both compressed air consumption and noise levels with the easy to mount and maintain Air-Blade™ Air Knife.

The Air-Blade™ Air Knife produces a “laminar” flow of air along its length using the ”Coanda” effect which “entrains” a large volume of air from the surrounding area along with the small amount of compressed air from the Air-Blade™ Air Knife to produce and output flow up to 30 times.

Payback on compressed air savings can be as soon as a few weeks in some applications.

Features

- The Air-Blade™ Air Knife is made of an anodized aluminum body and a hard-anodized “cap”. Stainless steel models are available for high temperature and corrosive applications.
- Multiple mounting features from either the back or the ends in a compact design.
- Airflow amplification of approximately 30:1 compared to 3:1 for drilled pipe or open jets and tubes.
- Instant on-off with no moving parts, no electricity or explosion hazard.

Benefits

- Longer life in difficult environments than other models.
- Flexible mounting options and easy to fit in small places.
- Energy reduction in compressed air use up to 90% and noise reductions of 10 dbA.
- Maintenance free with output easily controlled, safe to use.

E-Mail: sales@nex-flow.com
Web Site: www.nex-flow.com

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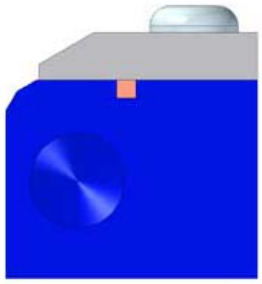
AIR-BLADE™ AIR KNIFE SPECIFICATIONS

The Air-Blade™ Air Knife is available in seven standard lengths: 3", 6", 12", 18", 24", 30" and 36". Special lengths are available on special order including lengths combining several units. The Air-Blade™ Air Knife comes with a standard machined .002" outlet gap which will work for 90% of all applications encountered. If greater force is required, a .002" shim may be installed to open the gap for greater flow.

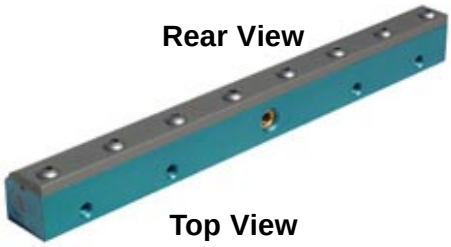
Materials of construction are either anodized aluminum or stainless steel.

Effective Length	Model Number	Material of Construction	Effective Length	Model Number	Material of Construction
3"	Model 10003	Aluminum	3"	Model 10003S	Stainless
6"	Model 10006	Aluminum	6"	Model 10006S	Stainless
12"	Model 10012	Aluminum	12"	Model 10012S	Stainless
18"	Model 10018	Aluminum	18"	Model 10018S	Stainless
24"	Model 10024	Aluminum	24	Model 10024S	Stainless
30	Model 10030	Aluminum	30"	Model 10030S	Stainless
36"	Model 10036	Aluminum	36"	Model 10036S	Stainless

End View



Rear View



Top View



AIR-BLADE™ AIR KNIFE COMPRESSED AIR CONSUMPTION

Both Aluminum and Stainless.

INLET PRESSURE	Air Consumption per in. with std. .002" gap	Air Consumption per in. with .004" gap (shim added)
20 PSIG	1.3 SCFM/inch	2.5 SCFM/inch
40 PSIG	2.0 SCFM/inch	4.0 SCFM/inch
60 PSIG	2.7 SCFM/inch	6.5 SCFM/inch
80 PSIG	3.4 SCFM/inch	6.7 SCFM/inch
100 PSIG	4.1 SCFM/inch	8.1 SCFM/inch
120 PSIG	4.8 SCFM/inch	9.5 SCFM/inch

Based on an Amplification Ratio of 30:1 to air flow out would be 30 times the above.

For More Information On Our Air-Blade™ Air Knife visit our web site.

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