

## Cape Backdraft Damper

- **Silent**
- **Economical**
- **Energy Efficient**
- **Easy Installation**
- **Innovative Design**
- **No Mechanical Parts**
- **Made in the USA**
- **Rated to 160° F/ 71° C**

Tamarack's Cape Backdraft Damper features a specially formulated fabric sleeve attached to an outer metal sleeve that enables maximum air flow in the desired direction and closes with minimal pressure in the opposite direction.

The Cape Backdraft Damper is the ultimate one way air flow valve designed to overcome the inefficiencies and limitations of traditional gravity and butterfly dampers.



LISTED  
PRODUCT



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The Tamarack Cape Backdraft Damper is a non-mechanical in-line one way air flow valve that requires minimal pressure to open or close.

Tested to UL 723 and NFPA 255 standards. This non-restrictive damper fits inside the duct. 4", 5", 6", & 8" sizes available.

Nominal Duct Size (CBD Order Size)	Metal Sleeve O.D.	Length
4"	3-7/8"	5-1/8"
5"	4-7/8"	6-1/2"
6"	5-7/8"	7-5/8"
8"	7-7/8"	11"

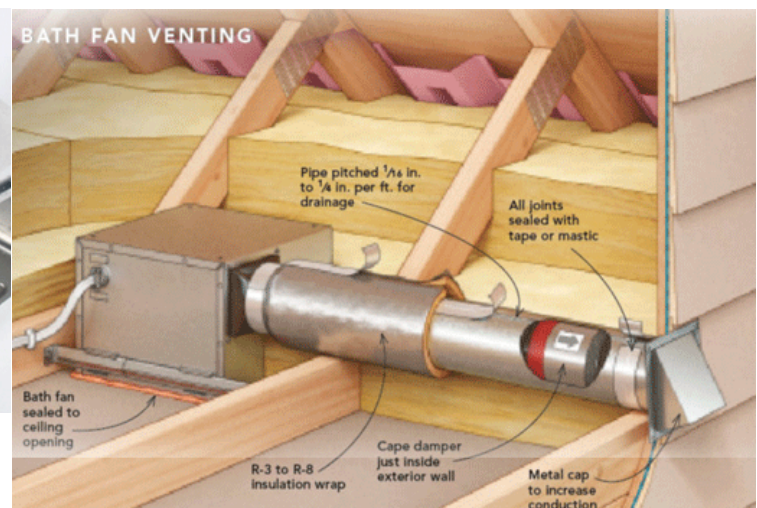
The Cape Backdraft Damper was tested against two other dampers at moderate airflow (airflow typical for a residential ventilation application).

The fan ran using open ductwork to set the desired airflow. Each type of damper was then inserted into the air stream.

Product	CFM
6" duct, 4' Length	80
Butterfly Damper	17
Gravity Damper	30
<b>Cape Backdraft Damper</b>	<b>77</b>

The airflow was measured and leakage rates at various pressures recorded for comparison in the charts on the right and below.

Product	-.10" w.g.	-.080" w.g.	-.052" w.g.	-.036" w.g.	-.018" w.g.
Butterfly Damper	1.6 CFM	2.0	1.6	1.2	1.0
Gravity Damper	3.0	4.0	5.0	5.0	5.0
<b>Cape Backdraft Damper</b>	0.4	2.0	2.0	2.0	2.0



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