



CAPE BACKDRAFT DAMPER

MAXIMUM AIR FLOW!

This 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", 7" & 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"
7"	6-7/8"	9-1/2"
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 run using open ductwork to set the desired airflow. Each type of damper was then inserted into the air stream. The airflow was measured and the leakage rates at various pressures recorded for comparison in the charts on the right and below.

Product	CFM
6" duct, 4' length	80
Butterfly Damper	17
Gravity Damper	30
Cape Backdraft Damper	77

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
Cape Backdraft Damper	0.4	2.0	2.0	2.0	2.0

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