



COSMOS[®]
Air Distribution Products

Powered By **Technology**
Driven By **Innovation**

Air Distribution Products

Life Safety Dampers



www.cosmosadp.com

SYAMANTAK INDUSTRIES PVT LTD.

A Wide Range of High Quality Air Distribution Products.

Life Safety Dampers



Passive Fire Protection (PFP) systems contain fire and smoke to predetermined areas of a building, to prevent it from quickly spreading through the rest of the building. COSMOS Life safety dampers are installed in HVAC ducts, partitions and wall penetrations to support the PFP system to protect life and diminish property loss during a life safety event. There are four types of life safety dampers available with COSMOS: motorized fire dampers, fusible link fire dampers, smoke dampers and combination fire-smoke dampers.



Fire Dampers for Use
in Static / Dynamic Systems



Smoke Damper for Use
in Dynamic Systems



Fire & Smoke Damper for Use
in Dynamic Systems



Features

- 180 GSM G.I. Sheet Construction.
- UL certified & tested for 1 ½ Hrs. Fire Resistance Rating as per UL 555
- UL certified & tested for leakage Rating as per UL 555S
- UL listed fusible link for 165°F temperature rating
- CBRI Tested for 2 Hours. Fire Resistance Rating as per UL 555



Cosmos Fire Dampers During Fire Endurance test at UL Laboratories

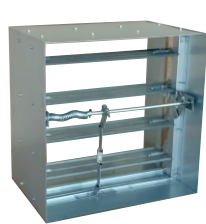
UL Certification



CBRI Test Results



Motorised Fire Damper



Fusible Link Fire Damper



Smoke Damper



Combination Fire & Smoke Damper

Certified for Excellence, Trusted Worldwide !

UL-555 Fire Ratings

Fire Rating : 1-1/2 hrs. (90 min.)
 Max. Velocity : upto 2000 fpm (10.2m/s)
 Pressure : 4 inches water gauge (1000 pa)

Velocity and Pressure Ratings are for Dynamic Systems

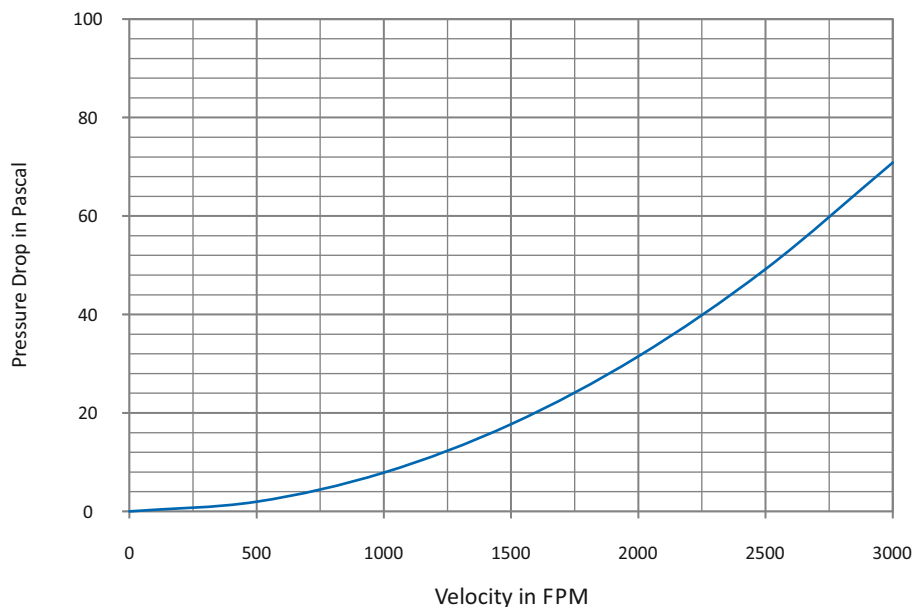


UL-555 S Leakage Rating

Sr. No.	Size W x H (In Inches)	Flow Direction	AMCA 500D Test Figures	Leakage Class
1	36 x 36	Downstream	5.9 / 5.6	II
	36 x 36	Upstream	5.9 / 5.6	III
2	8 x 36	Downstream	5.9 / 5.6	I
	8 x 36	Upstream	5.9 / 5.6	I
3	36 x 8	Downstream	5.9 / 5.6	I
	36 x 8	Upstream	5.9 / 5.6	I
4	12 x 12	Downstream	5.9 / 5.6	I
	12 x 12	Upstream	5.9 / 5.6	I

Pressure Drop Vs Air Velocity

Size : 900 x 900



Data corrected to Standard Air Density



Manufactured By
SYAMANTAK INDUSTRIES PVT LTD.

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