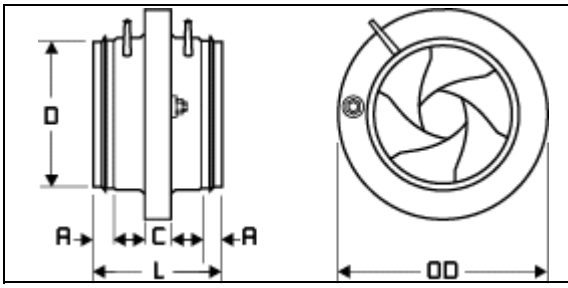
SUBMITTAL DATA IRIS DAMPER by:

The new IRIS DAMPER uses interlocking steel plates and a calibrated control system to form an adjustable aperture. By measuring differential pressure across the pressure ports, and referring to the matching performance curves, airflow can be precisely determined. Ten sizes are available, from 4" through 32", with capacities from 15 CFM to 20,000 CFM.

Tel: 1-800-779-4021 Fax: 1-800-779-4022

CFM™ CONTINENTAL FAN



IRIS DIMENSIONAL DATA

	4"	5"	6"	8"	10"	12"	16"	20"	25"	32"
A	1.2	1.2	1.0	1.2	1.6	1.8	2.4	2.0	2.0	3.9
C	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9
L	4.4	4.5	4.7	4.7	5.3	6.1	7.5	6.7	6.7	10.6
D	3.9	4.9	5.9	7.8	9.8	11.8	15.7	19.6	24.7	31.4
OD	6.5	7.4	9.1	11.2	13.2	16.1	20.7	25.8	32.1	40.0

HOW TO USE THE IRIS DAMPER

The Iris Damper has the capability of accurately measuring airflow to within ± 5%.
Once the damper position has been set:

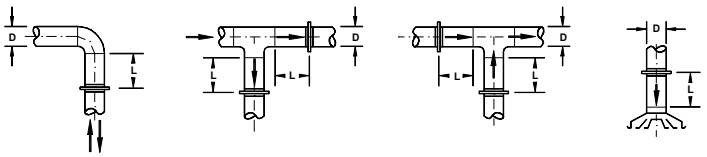
1) Measure static pressure in inches W.G. using BOTH black measuring tubes.
2) Refer to the adjustment curve for the corresponding size of the damper.
3) Find your measured pressure on the scale on the left side of the adjustment curve. Proceed horizontally across the curve until you meet the damper position line corresponding to your damper position.
4) Drop vertically down and read CFM from the bottom scale.
5) To increase CFM, open the damper. To decrease CFM, close the damper. Measure new static pressure and proceed through steps 2 through 4.

CONSTRUCTION MATERIAL

IRIS DAMPERS are manufactured of galvanized steel, and fitted with a neoprene gasket for airtight mounting.

MOUNTING

When installed in a straight duct run, Iris Dampers provide airflow measurement accuracy of ± 5% (L= 10xD). Duct fittings disturb the airflow and affect accuracy. Use the illustrations below to determine minimum spacing for the desired accuracy.



Accuracy ± 7%	L = 1D	L = 4D	L = 2D	L = 2D
Accuracy ± 10%	L = 1D	L = 2D	L = 2D	L = 2D

PROJECT			ARCHITECT
CONTRACTOR	DATE	SUBMITTED BY	ENGINEER

SPECIFICATION

ITEM NO.	Qty	Additional Information/Optional Equipment