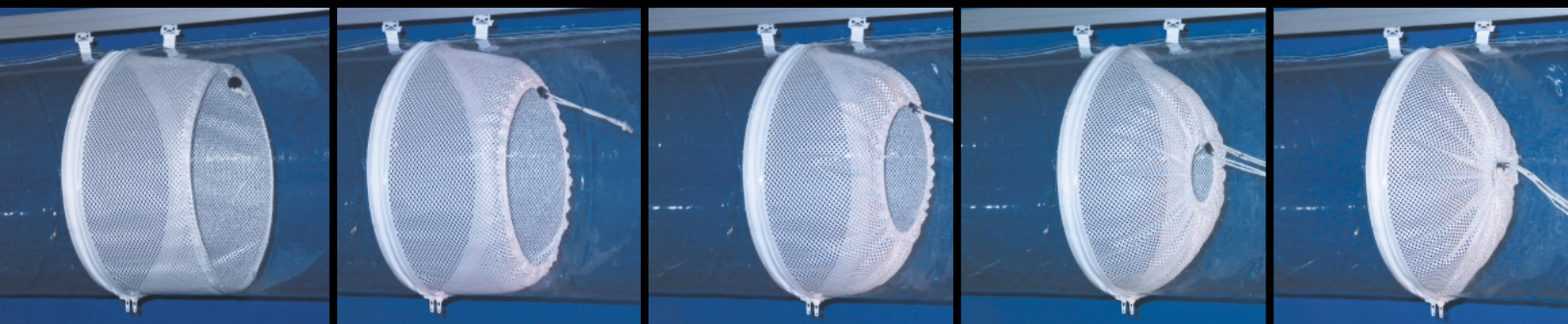


Adjustable Airflow Control – for Fabric Duct Ventilation

DuctSox engineers introduce the Adjustable Flow Device™ (AFD), the HVAC industry's first in-duct system for regulating fabric duct airflow and static pressure. The AFD is a polyester mesh cone with a factory set or field adjustable hemmed drawstring aperture for air balancing all models of DuctSox fabric air dispersion models.



Typically, balancing is one of the most critical requirements in traditional HVAC system. More than just challenging in design, the final balancing in a conventional metal duct system can spell out success or failure of HVAC project.

For applications with open ceilings, DuctSox fabric duct ventilation systems offer better air dispersion, aesthetics and hygiene – at a lower overall cost.

By combining porous or non-porous fabrics with engineered air outlets, whether vents or orifices, each DuctSox system is manufactured to disperse a specific airflow at a predetermined inlet static pressure. Typical installation balancing includes minor adjustments to the fan of the air handling unit (AHU) to provide the proper airflow and pressure.

DUCTSOX[®]
Fabric Air Dispersion Products

AFD

Adjustable Flow Device

See The Difference
Hear The Difference
Feel The Difference

INLET

- ✓ Balance multiple runs
- ✓ Reduce/eliminate airflow turbulence

**MIDDLE**

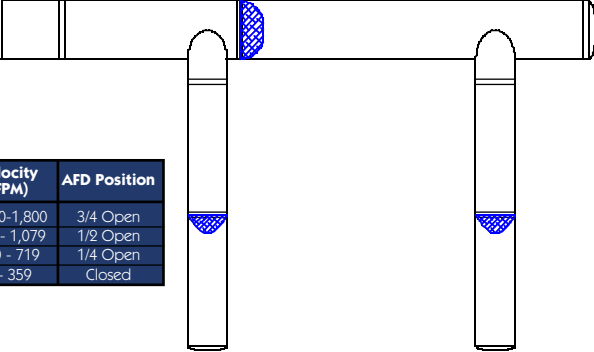
- ✓ Balance static regain

**NO-POP**

- ✓ Reduce inflation "pop"

**PLENUM AND BRANCHES**

- ✓ Direct airflow into branches and balance static regain



Velocity (FPM)	AFD Position
1,080 - 1,800	3/4 Open
720 - 1,079	1/2 Open
360 - 719	1/4 Open
0 - 359	Closed

STANDARD DESIGN / LOCATION:**Inlet**

- ✓ Each inlet when multiple inlets connected to a common AHU / fan
- ✓ Any system that has an apparent turbulent inlet configuration

Middle

- ✓ All systems with an intermediate zipper over 40 ft and inlet velocity over 1,400+ FPM

No Pop

- ✓ All systems over 100 ft, & over 5,000 CFM placed within last 30% of run

Plenum

- ✓ After outlet (or outlets within 10 ft) when plenum velocity is 1,200+ FPM

Exceptions

- ✓ Systems should not include more than 2 AFD's in sequence to an endcap

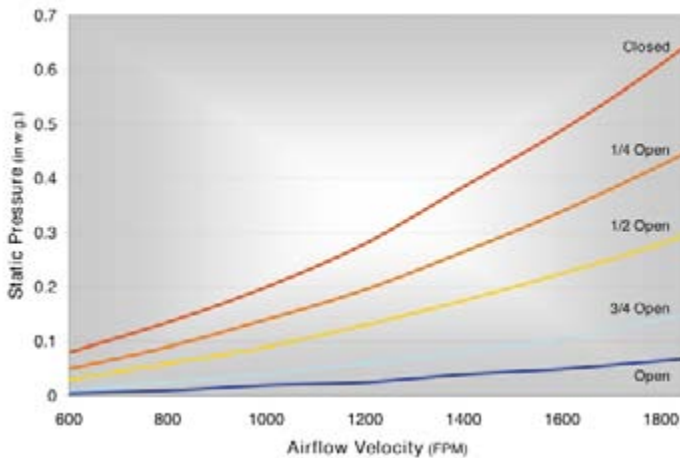
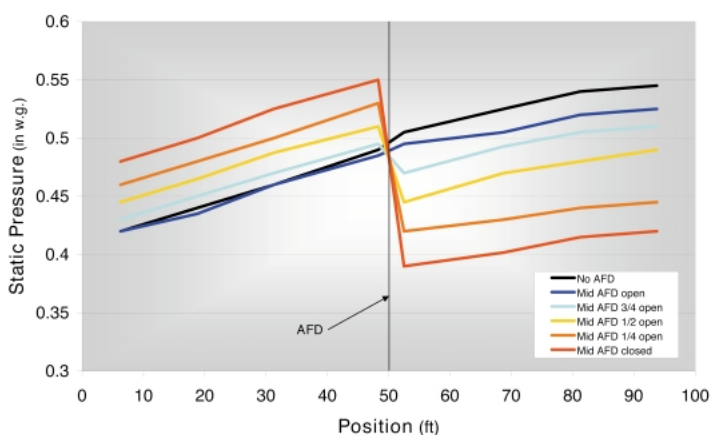
Sedona & TuffTex

- ✓ AFD devices included with each system constructed of our Sedona and TuffTex premium fabrics

Designed for retrofits as well as new systems, the AFD is easily installed or replaced for laundering in minutes by zipping or unzipping its collar between duct lengths. Besides airflow regulation, the AFD also serves as a flow straightener.

The AFD, which is available in 6 to 72-inch diameters and custom order large sizes, is made of a polyester weave with large scrim openings that don't abnormally attract HVAC system particles. For systems with mediocre or low filtration designs, the AFD can be unzipped and easily laundered. AFD cannot be used at the same connection as a DuctSox Final Filter (FF).

The AFD will be preset from the factory to the recommended setting per location, and should not require any field balancing unless otherwise noted.

Airflow Resistance**Static Regain**

DUCTSOX[®]
Fabric Air Dispersion Products

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This product covered by one or more of the following patents:
6565430, 6558250, 5769708, 6425417, 6626754, 6280320, 5961044, 5655963