

OmniStat TRANSFLOW System

Precision Airconvey Corporation (PAC), with over 30 years of pneumatic material handling experience, uses patented technology to neutralize static electricity problems that are found in trim conveying systems.

Two OmniStat TRANSFLOW Systems available

Friction electrostatically charges materials, like paper and plastic, to high voltages when moved through an air conveying system. Static electricity is particularly troublesome when the air is removed to allow the material to drop into a collector. An inline OmniStat system, placed before the air separator, eliminates the potential for clogging.

OmniStat TRANSFLOW System

- Provides outstanding static elimination.
- Requires only 14 inches of inline duct space.
- Has four OmniStat brush-type electrodes, each 4" long.
- Each brush has thousands of ion-producing points.
- High-quality stainless steel electrode brushes.
- Available in tube diameters 4, 5, 6, and 8 inches.
- Delivers massive flood of positive and negative ions to continuously neutralize static charges, regardless of polarity, so the material flows freely, even at high speeds.



When highly charged edge trim passes through the ionization chamber seen above, the flood of free ions drenches and neutralizes the static charges.

Double-Long OmniStat TRANSFLOW System

- Solves severe static electricity problems.
- Has two sets of four OmniStat brush-type electrodes (8 total).
- Each brush is eight-inches-long. (8 brushes X 8 inches = 64" of brushes or four times more brush length than the original OmniStat.
- Longer length of time to drench material in an ion bath.
- Same 110 VAC input, same cost to operate as a standard OmniStat.
- Power Controller is interchangeable with any OmniStat system.
- Removes "edge pinning" static charges that are injected into material.
- Available in tube diameters of 4, 5, 6, 8, 10 and 12 inches.



TRANSFLOW System benefits

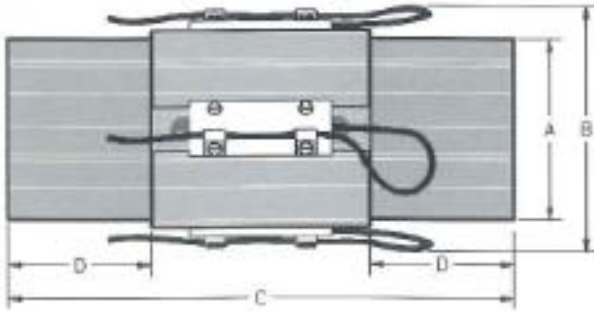
- Eliminate downtime caused by static charges that allow material to bridge or nest and clog equipment.
- Low cost, effective way to create a cleaner work environment by eliminating static cling in conveyed materials.
- Compared to competitors that have one ion-producing point per inch, an OmniStat brush has over a thousand ion points-per-inch that drench charged materials in a positive/negative ion bath to neutralize any static charges.
- Remote power supply in a rugged NEMA 12 enclosure for easy mounting in any environment.
- Lightweight – requires no additional pipe support.
- Standard 110 VAC input voltage of either 50 or 60 Hz requires no special wiring.

APS
Air Packaging Systems
www.aps-system.it www.aps-italia.com

PRECISION
AIRCONVEY
CORPORATION

Standard TRANSFLOW Tube

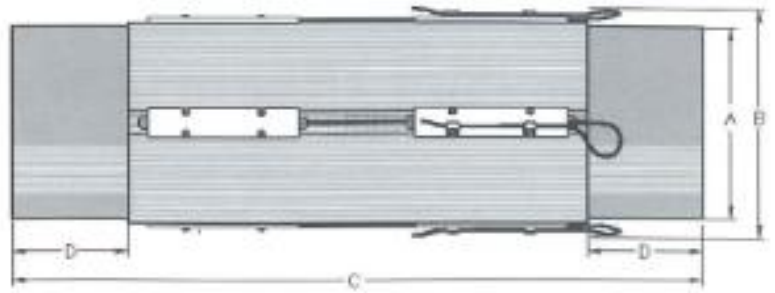
Dimensions (See drawing below)



A	4"	5"	6"	8"
B	6"	7"	8"	10"
C	14"	14"	14"	14"
D	4"	4"	4"	4"

Double-Long TRANSFLOW Tube

Dimensions (See drawing below)



A	4"	5"	6"	8"	10"	12"
B	6"	7"	8"	10"	12"	14"
C	32"	32"	32"	32"	32"	32"
D	4"	4"	4"	4"	6"	6"

How it works...

The complete OmniStat TRANSFLOW system consists of the TRANSFLOW Tube equipped with OmniStat brush-type electrodes and the TRANSFLOW Power Controller (a small high-voltage power supply, housed in a NEMA 12 enclosure, which provides the necessary high voltage to the OmniStat electrodes). Each electrode is individually wired for better control of static problems. (The ionization pattern can be changed by simply rearranging the electrode cables, without removing the tube from the pipe.) The power controller can be mounted several feet away if necessary.

Unlike ionizers, which use old fashioned static bars, the OmniStat brush-type electrodes have, in effect, thousands of tiny electrodes to provide a more efficient, denser, uniform ionization field with less power required. The OmniStat electrodes enter the TRANSFLOW tube at 90 degree intervals, distributing the ionization evenly across the tube. The power controller energizes two electrodes in the positive polarity and two in negative, transforming the tube into an ionization chamber. The use of opposing polarities creates large numbers of ions and enables the System to neutralize both positive and negative static charges simultaneously, even in high-speed applications.

TRANSFLOW Power Controller specifications...

- Input voltage: 110 VAC, 50/60 Hz.
- Weight: 2.75 pounds.
- Dimensions: 5.5" X 4.375" X 3.5" tall.
- Max. output voltage: 8 Kv.
- Max. output current: 8 Microamps.
- Controller operates all OmniStats.



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