

Ionizing Curtain Transvectors - A highly efficient curtain of ionized air

SIMCO Ionizing Curtain Transvectors combine the proven performance of SIMCO Static Neutralizing Bars with a Curtain Transvector. The result is a highly efficient "air knife" or "curtain" of ionized air for superior cleaning and neutralization capabilities.

Operating alone, a SIMCO static bar efficiently neutralizes static charges on surfaces close to the bar. When a static bar is combined with a curtain transvector, the static bar's ability to clean and neutralize surfaces a distance away from the bar is dramatically improved.

SIMCO Ionizing Curtain Transvectors are available with standard SIMCO static bars or SIMCO intrinsically safe static bars which are UL listed and FM approved for Class I, Division I, Group D hazardous locations.



Features

- Combines static bar and curtain transvector
- Low air consumption
- Shockless and intrinsically safe models available

Benefits

- Cleans while neutralizing static charges
- Helps to reduce machinery jams
- Helps to prevent attraction of dirt and contamination
- Reduces costs
- Provides safe, efficient operation
- No shock to personnel

Specification

Mechanical

Standard Unit Length: 6", 12" and 24" in stock. Lengths to 84" available to order.

Intrinsically Safe Unit Length: 12", 24" (16 1/2" and 28 1/2" overall lengths)

Air inlet Length: 1/4" NPT

Inlet Location: Rear of transvector

Mounting

Transvector may be mounted directly to air line or static bar mounting studs may be used to attach additional mounting brackets.

Air Requirements

Air Input: 10 psi (minimum) to 100 psi (maximum) clean, dry, oil free. Accessories available separately.

Air Consumption: 4.3 SCFM per inch @ 80 psi

Amplification Ratio: 25 : 1

Piping Diameters: Up to 10' run - 1/4" ID; up to 50' run - 3/8" ID
Greater than 50' run - 1/2" ID

Rubber hose of suitable pressure rating may be substituted:
3/8" ID hose = 1/4" ID pipe; 1/2" ID hose = 3/8" ID pipe.

Electrical

Static Bar: SIMCO MEB or XP-2 standard. Also available with the SM Bar which has a smaller profile than the MEB.

HV Lead: 10' standard length

Power Supply

Standard: UL listed/ CSA Certified; SIMCO F167 (2 outputs); SIMCO N167 (4 outputs)

Intrinsically Safe: UL Listed/ FM Approved; SIMCO XP167 or XPM167 (4 outputs)

Input Voltage: 120 VAC, 0.5 amps, 50/60Hz, 230 VAC models available, contact SIMCO for additional information

Output Voltage: 7.5kV, 3mA (maximum)