SIMCO®
Industrial Static Control
An Illinois Tool Works Company

R55 Ionizing Air Nozzle

Description

The R55 Static Control Nozzle provides a powerful blast of static eliminating air used for cleaning and neutralizing surfaces in a variety of applications. It is particularly effective for separating paper and film sheets on feed piles. The R55 has eight active ionization pins to deliver outstanding depth and range of static elimination. The nozzle is shockless for operator safety.

The R55 Static Control Nozzle comes in your choice of two air exit configurations, a slot or a double row of perforation holes (best for feed piles). It can be ordered with an axial (straight) or radial (right angle - preferred for feed piles) high voltage cable exit. Each nozzle comes with an adjustable two-piece mounting bracket and hardware.

The cable for the R55 is metal shielded, which reduces EMI and RFI emissions and allows the cable to be mounted against metal without danger of burn-out. *The cable and power supply for the R55 must be ordered separately.* CE approved.

The TrueAC Power Supply (patent pending) is the only self-monitoring AC power supply available for static control equipment. The unit is designed to operate with the R55. When the system is activated the BAR ON indicator is illuminated to let you know that the system is ready to go. During operation the TrueAC power supply monitors the static bar while also displaying the BAR PERFORMANCE RANGE, and indicates when the static bar needs to be cleaned with the CLEAN BAR indicator light.

R55 Nozzle Features and Benefits

- Eight active ionization pins delivery outstanding depth and range of static neutralization
- High efficiency, even at longer distances
- Shockless for operator safety
- Compact size allows for a wide variety of applications
- Slotted and perforated versions available for optimal cleaning, ionization and cost efficiency

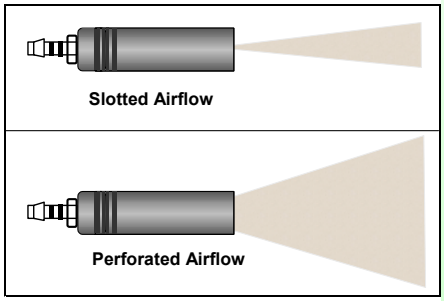
FM Approvals Quality System Registration

2257 North Penn Road • Hatfield, PA 19440 • Tele: (215) 822-6401 • Fax:(215)822-3795
www.simco-static.com • e-mail: sales@simco.biz

P/N 5200566 Rev.C 4/12/05 Printed in USA

SIMCO® Industrial Static Control
An Illinois Tool Works Company

Specifications



Operating Voltage	5kV 50/60 Hz via authorized Simco power supplies
Ionizing pin current at short circuit to ground	40µA
Maximum operating temperature (ambient)	140°F (60°C) without blown air 176°F (80°C) with blown air
Maximum Blown Air Temp.	86°F (30°C)
Housing Material	Acetate co-polymerisate POM, injection molded, Hostaform C13021
Ionizing Pins	Stainless steel, current limited and low capacitance, shockless
Emission Rows	Two rows of eith ins each, one row passive and one active(with an air outlet located between them.
Air Consumption	Slotted / Perforated 30 psi 2.9 scfm 4.0 scfm 45 psi 3.7 scfm 5.2 scfm 88 psi 5.6 scfm 7.3 scfm
Air Connection	5/16” (8 mm) nipple (hose barb)
High Voltage Shielded Cable	Cable ordered separately; 2.5 meter cable is standard, 6, 7.5 and 10 meter cables are available
Weight	approximately 4 oz. (100 g)

TrueAC Specifications – Power Supplies

Two Connector (Two Nozzles)

Part Number	*Power Requirements*	*Output Voltage*	*Dimensions (L x W x H)*
4010442	120 VAC, 20 VA, 50/60 Hz	7 kVAC	6.4 X 3.8 X 4.5
4010443	230 VAC, 20 VA, 50/60 Hz	7 kVAC	6.4 X 3.8 X 4.5
4010440	120 VAC, 20 VA, 50/60 Hz	5 kVAC	6.4 X 3.8 X 4.5
4010441	230 VAC, 20 VA, 50/60 Hz	5 kVAC	6.4 X 3.8 X 4.5

Four Connector (Four Nozzles)

4010883	120 VAC, 20 VA, 50/60 Hz	5 kVAC	8.6 X 4.9 X 4.5
4010884	230 VAC, 20 VA, 50/60 Hz	5 kVAC	8.6 X 4.9 X 4.5
4010604	120 VAC, 20 VA, 50/60 Hz	7 kVAC	8.6 X 4.9 X 4.5
4010605	230 VAC, 20 VA, 50/60 Hz	7 kVAC	8.6 X 4.9 X 4.5