

R55 Ionizing Air Nozzle

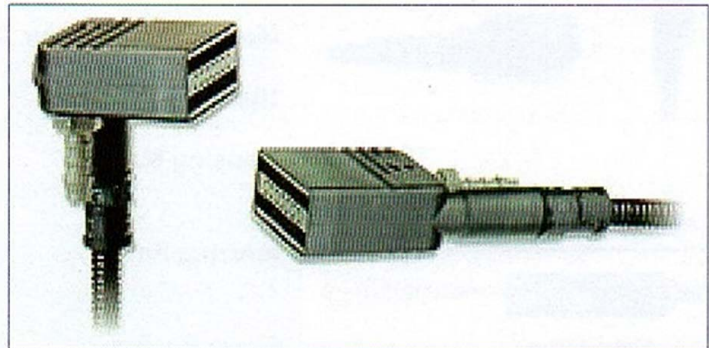
Description

The R55 Static Control Nozzle provides a powerful blast of ionized 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..



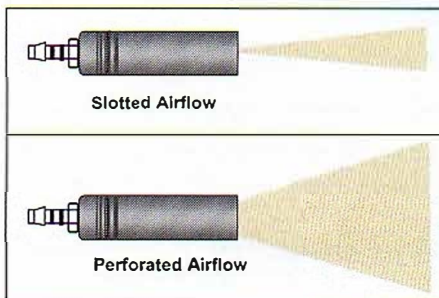
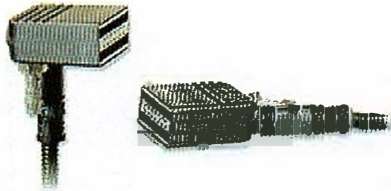
R55 Nozzle Features and Benefits

- Eight active ionization pins deliver 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

RFF Nozzle

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)													
Humidity	No dewing permissible													
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 eight pins each, one row passive and one active (with an air outlet located between them).													
Air Consumption		<table border="0"> <thead> <tr> <th></th> <th><u>Slotted</u></th> <th><u>Perforated</u></th> </tr> </thead> <tbody> <tr> <td>30 psi</td> <td>2.9 scfm</td> <td>4.0 scfm</td> </tr> <tr> <td>45 psi</td> <td>3.7 scfm</td> <td>5.2 scfm</td> </tr> <tr> <td>88 psi</td> <td>5.6 scfm</td> <td>7.3 scfm</td> </tr> </tbody> </table>		<u>Slotted</u>	<u>Perforated</u>	30 psi	2.9 scfm	4.0 scfm	45 psi	3.7 scfm	5.2 scfm	88 psi	5.6 scfm	7.3 scfm
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Air Connection	5/16" (8 mm) nipple (hose barb)													
High Voltage Shielded Cable	Cable ordered separately; 2.5 meter cable is standard, 5, 7.5 and 10 meter cables are available													
Weight	approximately 4 oz. (100 g)													

Specifications – Power Supplies

	<u>S165S Power Supply</u>	<u>S265S Power Supply</u>
Input Power Rating	120V AC, 20 VA, 50/60 Hz.	230V AC, 20 VA, 50/60 Hz.
Output Voltage	5,100 Volts (+/- 10%)	5,100 Volts (+/- 10%)
Output Current	3.0 mA maximum; 5.0 mA short circuit to ground	3.0 mA maximum; 5.0 mA short circuit to ground
Overall Dimensions	5 3/4"L x 3 7/8"W x 3 3/8"H	5 3/4"L x 3 7/8"W x 3 3/8"H
High Voltage Connection	Two screw-in type connections	Two screw-in type connections

Use only SIMCO Industrial Static Control power supply models S165 and S265.