



## Adaptive Intelligence for High Power Long Range Static Control

### APPLICATIONS

- Web Winding
- Film Extrusion
- Converting
- Packaging
- Plastics Manufacturing



*Industry-leading pulsed-DC technology with built-in field polarity sensing and adaptive ionization.*

### BENEFITS

- Increase production speeds
- Increase profits
- Reduce rejects
- Reduce downtime
- Enhance product quality
- Enhance operator safety

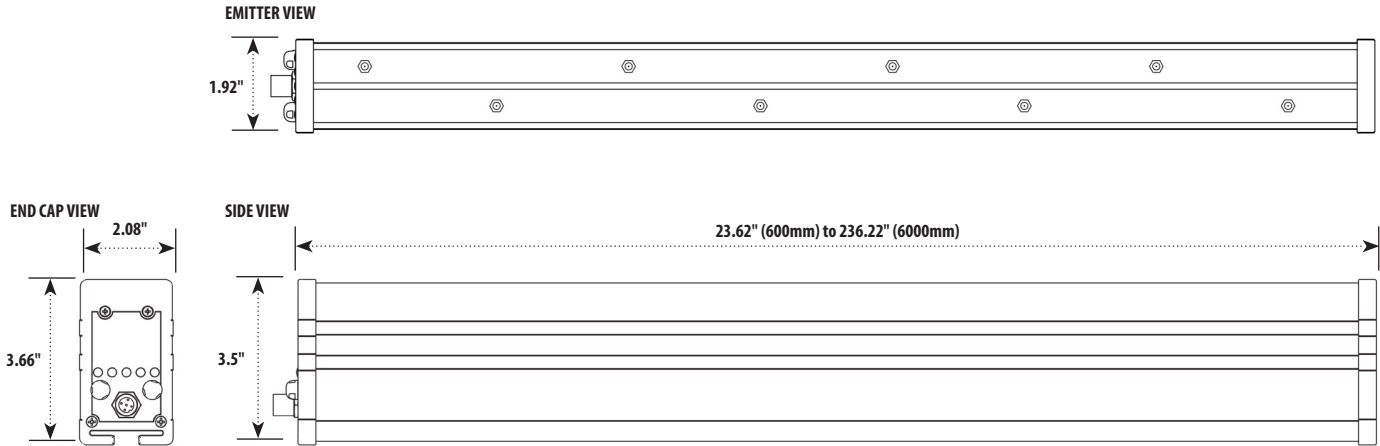
XIFOS 33 is a high-power static eliminator for long-range applications. XIFOS intelligence significantly increases the neutralization power of the bar by optimizing the output to remove the static charge.

**Adaptive Intelligence**—XIFOS 33 uses software algorithms to control all of the operating parameters of the bar. Duty cycle, frequency, dead-time, HV level and polarity are all precisely and intelligently controlled. XIFOS reacts to the actual polarity and charge level on the product to achieve the fastest possible neutralization.

- 33 kV output from low voltage 24 V DC supply.
- Neutralization range from 10" (250mm) to 60" (1500mm).
- Shockless, replaceable tungsten emitters for long life.
- 4 easily-set distance and frequency ranges plus Intelligence.
- Simple tool-free, on-bar adjustment for process optimization.
- Remote monitoring compatible with IEC 61131-2 Type 1, 2 and 3 PLC inputs.
- 100% coverage. Effective length = Overall length. No dead zone.
- Bi-color LED status indicators to show operating mode and 'Clean Me' alert.
- Standard 'T'-fixings for ease of mounting onto machinery.



# Specifications



**DIMENSIONS:** 2.08" (52.8mm) x 3.66" (93 mm).

Minimum length 23.62" (600mm), then 29.53" (750mm) to 236.22" (6000mm) in steps of 9.84" (250mm).

**ELECTRICAL SUPPLY:** 24 V DC (21 - 28 V), maximum current required 2.5A; M12 5-pin connector

**STATUS LEDs:** 5 bi-color LEDs.

Flashing green at frequency of operation = bar OK  
 Scrolling green = - or + Intelligence in operation, bar OK  
 Flashing red = standby mode  
 Alternate red/green = bar needs attention/cleaning  
 Solid red = fault

**REMOTE MONITOR:** Fault and Clean Me signals available. Compatible with IEC 61131-2 Type 1, 2 and 3 PLC inputs. Backwards compatible with NEOS products.

**HIGH VOLTAGE SUPPLY:** ±33 kV supply integrated into the bar.

**CONSTRUCTION:** Tungsten emitters. Reinforced FR-ABS industrial grade extrusion and endcap. Epoxy resin encapsulated.

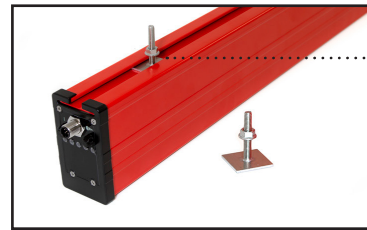
**PROTECTION CLASSIFICATION:** IP64

**ENVIRONMENTAL:** 0 - 55 °C, 70 % RH non-condensing

**WEIGHT:** 2.25 lbs. (1.02 kg) + 1.7 lbs./ft (2.5 kg/m)

**STANDARDS:** CE; CB and UL pending

**MOUNTING:** 'T' M6 x 40mm stud and flange nut. Two mounting blocks for bars up to 40" (1000mm), plus 1 extra for every additional 20" (500mm).



The 'T' fixing bracket slides into the slot in the bottom of the bar.

**ADAPTIVE INTELLIGENCE:**

XIFOS 33 uses software algorithms to control all of the operating parameters of the bar. Duty cycle, frequency, dead-time, HV level and polarity are all precisely and intelligently controlled. XIFOS reacts to the actual polarity and charge level on the product to achieve the fastest possible neutralization.



The status of the bar including the need for cleaning is indicated by 5 bi-color LEDs on the endcap of the bar.

Distance Control: distance-to-target setting

Intelligence Control: XIFOS Intelligence ON or OFF

Standard M12 5-pin connector. Backwards compatible with existing NEOS installations.

EXPERT TECHNICAL ASSISTANCE • 2 YEAR LIMITED WARRANTY

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