

STATIC ELIMINATORS

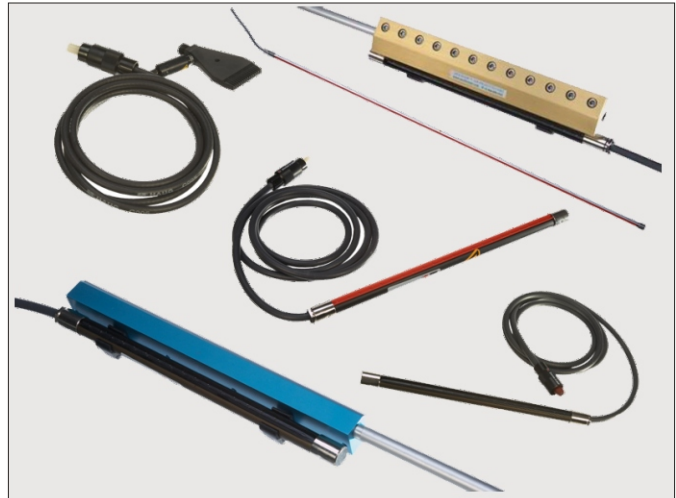
**Powerful and high quality static eliminators with, and without air amplification products,
To address virtually any application where static charges are a problem.**

WHAT ARE THEY - REASONS TO USE

Wild claims are made by some amplification product suppliers that putting a static bar with an Air Knife will eliminate static at incredible distances which are highly exaggerated. We will attempt to clarify such myths with reality.

A static eliminator is a device that produces ions - positive and negative - which neutralize any opposite charge on a surface that these ions interact with. Static charges occur on plastic parts, moving webs of paper and film, and can cause problems of jamming as well as shock hazards to personnel.

Charges can vary on a surface and in some cases (depending on a variety of factors such as material, speed, and humidity) be extremely high. For this reason Nex Flow™ has several options to address the wide variety of environments encountered.



Nex Flow™ has a variety of static elimination products to address virtually any static application in manufacturing

MYTH VERSES REALITY

Static Eliminators are used on their own when they can be placed close to a surface. In all instances it takes “time” for the static to dissipate. When close to a surface it can happen extremely quickly (milliseconds). This can usually be achieved by using a standard strength static bar. In some cases the surface charge may be extremely high (like in some materials as Mylar) and/or the surface may be moving quite quickly on a moving web. In such cases the static bar may not produce enough “ions” fast enough and a more powerful static bar is required. Just adding an Air Knife will NOT speed up static removal. In fact it may slow it down! Nex Flow™ has available a more powerful static bar for such high charged” or high speed applications.

Adding a compressed air “Air Knife” will allow you to remove static at a distance (as will adding a blower) but can increase the time needed to dissipate static as the ions somewhat recombine on their way to the target weakening their effect. Therefore often a stronger static bar (that we can provide) is required.

All static control equipment meets electrical standards for North America and/or Europe and are ROHS compliant.



Nex Flow™ uses quality static bars from Haug rather than cheap products because Haug static bars have been proven to last in difficult environments. The most fragile part of any ionization system is the static bar and Haug bars have proven themselves against many others to be durable, of high quality, and long lasting.

THE MODEL RN STATIC BAR

The HAUG **RN** Ionizing Bar is a powerful and rugged piece of equipment. Production interfering surface charges can be removed reliably and effectively - even at high operating speeds. The coaxial high-voltage plug-and-socket connection of the HAUG system **X-2000** offers a unique advantage in that the gas tight high-voltage plug can be connected to the HAUG power pack easily and without tools. The flexible, coaxially shielded cable connects the ionizing unit with the voltage supply. The round construction of the RN ionizing bar permits the exact axial adjustment in the direction of travel of the material. The Ionizing Bar is safe to touch. Special wear-resistant electrodes guarantee long service life.



MODEL RN Static Bar



MODEL VS Static Bar

THE MODEL VS EXTRA POWERFUL STATIC BAR

The HAUG **VS** Ionizing Bar reliably removes electrostatic charges and its performance, when compared to the standard version, is three times the power. This tremendously improves the static removal and designed to address extremely high charges, faster speeds and greater distances. The **VS** Ionizing Bar has all of the typical features that characterize HAUG Ionizing Bars: the reliable and removable plug-and-socket connection System **X-2000**, the shielded high-voltage cable, the special stainless-steel electrodes and the convenience of being safe to touch. The electrical capacity of the VS Ionizing Bar is three times as great as the standard version, and therefore, it is necessary to base any power pack load calculations on a bar length three times as long.

EXPLOSION PROOF STATIC BARS AND POWER SUPPLIES

The Haug **El Ex T** ionizing units are approved for equipment in areas with potential explosive atmospheres, to eliminate unwanted electrostatic charges where hazardous gases may form, such as paint facilities or printing machines utilizing solvent inks.

The design of the **El Ex T** Ionizing Bar complies with the international ATEX directives in combination with the Model EN 92 or Multistat Ex power supplies. This system is approved for use in manufacturing locations with potentially explosive atmospheres resulting from gases of explosion group IIA, temperature classes T4 to T6.



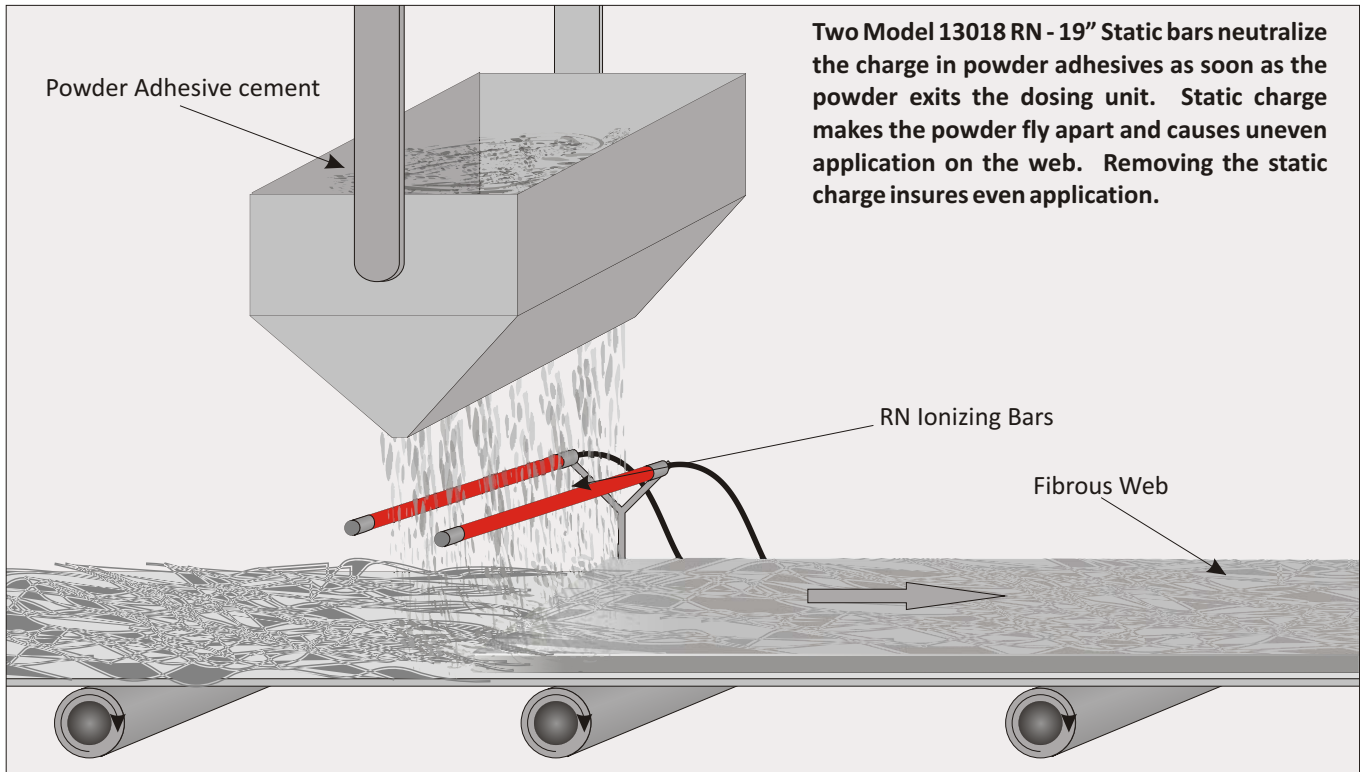
MODEL EX T Static Bar

MODEL RN STANDARD STRENGTH STATIC BAR

PART NO.	DESCRIPTION
13003	Haug Model RN Static Bar - 4" LONG
13006	Haug Model RN Static Bar - 7" LONG
13009	Haug Model RN Static Bar - 10" LONG
13012	Haug Model RN Static Bar - 13" LONG
13018	Haug Model RN Static Bar - 19" LONG
13024	Haug Model RN Static Bar - 25" LONG
13030	Haug Model RN Static Bar - 31" LONG
13036	Haug Model RN Static Bar - 37" LONG
13042	Haug Model RN Static Bar - 43" LONG
13048	Haug Model RN Static Bar - 49" LONG
13054	Haug Model RN Static Bar - 55" LONG
13060	Haug Model RN Static Bar - 61" LONG
13066	Haug Model RN Static Bar - 67" LONG
13072	Haug Model RN Static Bar - 73" LONG
13078	Haug Model RN Static Bar - 79" LONG
13084	Haug Model RN Static Bar - 85" LONG

MODEL VS EXTRA STRENGTH STATIC BAR

PART NO.	DESCRIPTION
14006	Haug Model VS Static Bar - 7" LONG
14009	Haug Model VS Static Bar - 9" LONG
14012	Haug Model VS Static Bar - 13" LONG
14018	Haug Model VS Static Bar - 19" LONG
14024	Haug Model VS Static Bar - 25" LONG
14030	Haug Model VS Static Bar - 31" LONG
14036	Haug Model VS Static Bar - 37" LONG
14042	Haug Model VS Static Bar - 43" LONG
14048	Haug Model VS Static Bar - 49" LONG
14054	Haug Model VS Static Bar - 55" LONG
14060	Haug Model VS Static Bar - 61" LONG
14066	Haug Model VS Static Bar - 67" LONG
14072	Haug Model VS Static Bar - 73" LONG
14078	Haug Model VS Static Bar - 79" LONG
14084	Haug Model VS Static Bar - 85" LONG



Two Model 13018 RN - 19" Static bars neutralize the charge in powder adhesives as soon as the powder exits the dosing unit. Static charge makes the powder fly apart and causes uneven application on the web. Removing the static charge insures even application.

For Explosion Proof applications consult Factory or your local representative