

ANTI-STATIC BARS

1100 SERIES STATIC ELIMINATORS

The 1100 Series Static Eliminators are high performance ionisers for modern manufacturing. A resistive coupling between the high voltage source and the emitters gives them powerful ionisation with completely shockproof operation.

Their compact size makes them particularly suited to web and sheet applications where space is limited.

Available in two versions: the 1100 with fixed M4 mounting studs and the 1100-S with mounting studs which slide in a slot to the required position.



- > Operating distance from 20 mm to 100 mm.
- > Suitable for most industrial processes, including pharmaceutical and food manufacturing.
- > Simple to install, with fixed or variable mounting studs.
- > All electronic components encapsulated in epoxy resin for protection and maximum durability, giving the Bar an IP66 rating, and suitable for wash down applications.

Specification

Length:	From 60mm to 3000mm.
Construction:	Anodised aluminium, epoxy resin, ABS and hardened etched emitters.
Cable:	Hi-Flex 30 kV screened cable with 70 mm bend radius. Standard length is 2 m - longer lengths can be specified at time of order (subject to maximum load on power unit).
Safety:	5 mA maximum current from Power Unit. High voltage resistance inside bars further limits current below 50 μ A.
Protection Classification:	IP66. Fully sealed.
Environment:	60° maximum temperature. 70% rH non-condensing max.
Power Units:	Use with Fraser 5.5 kV and 6 kV Power Units. See Datasheets.
Standards:	CE.

How It Works

High voltage is applied in a controlled and safe way to the emitters. This ionises the surrounding air and releases ions of the opposing polarity needed which neutralise the charge.

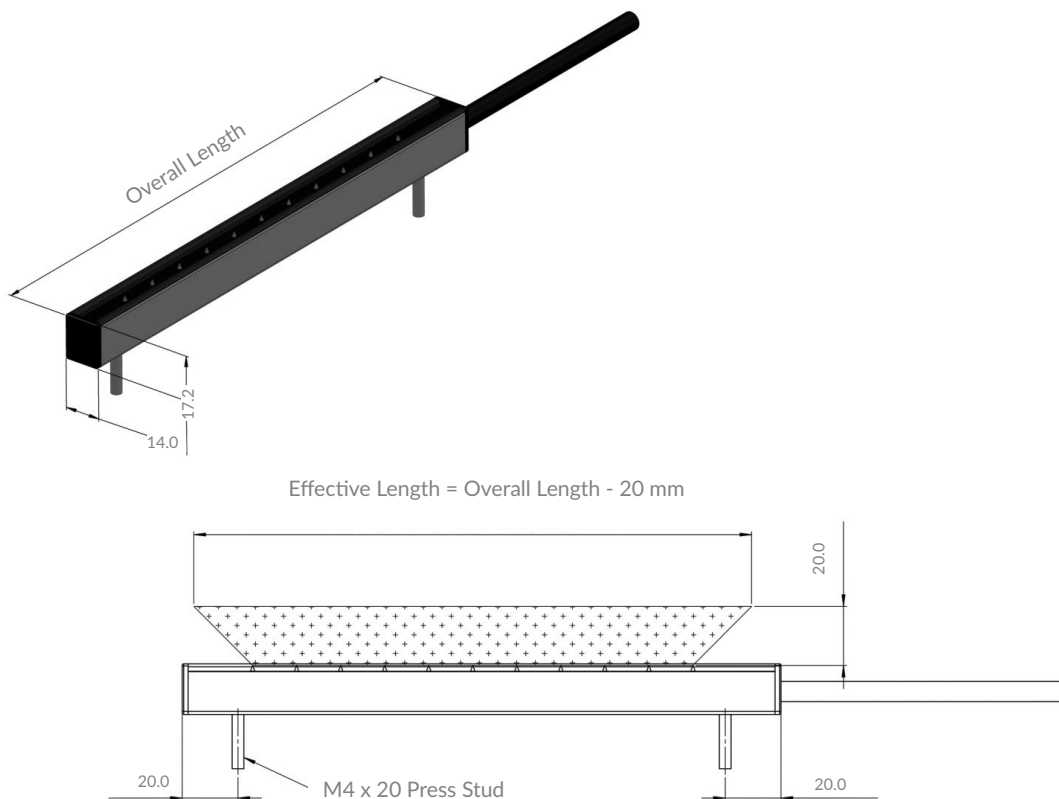
Unused ions quickly dissipate into the atmosphere.

Dimensions & Installation

Model 1100

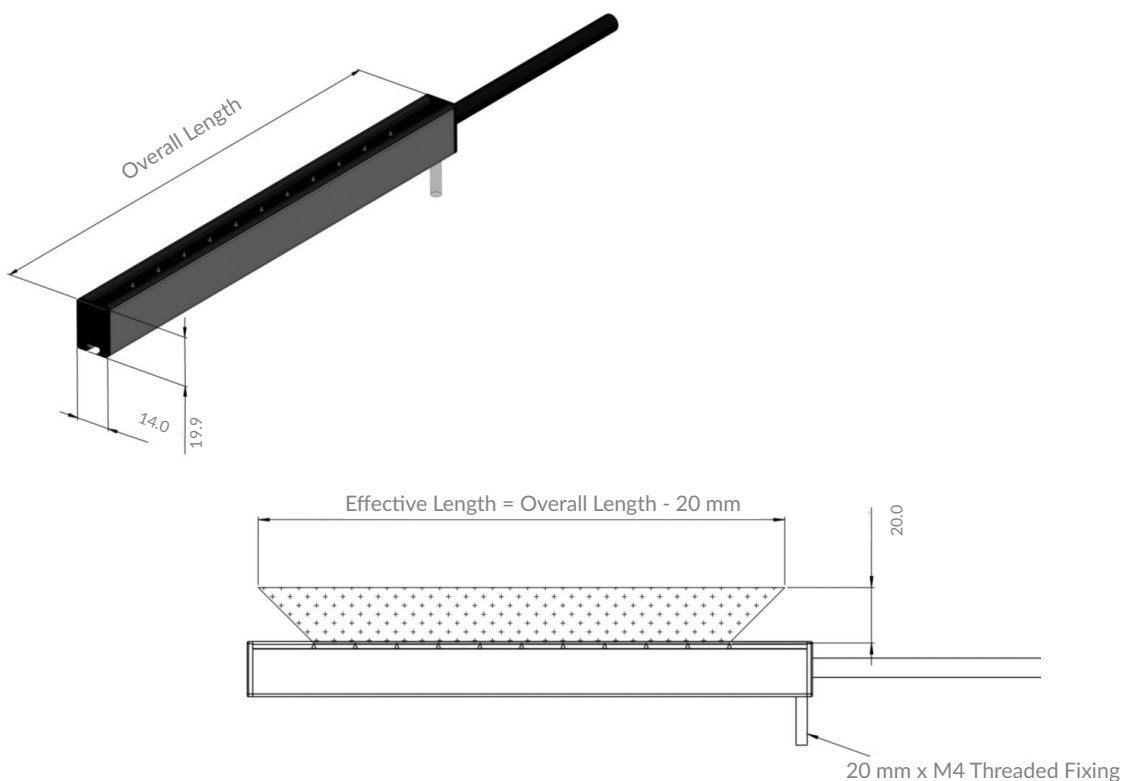
Most compact version with fixed mounting studs 20 mm from each end.

Studs are M4 x 20 mm.



Model 1100-S

Version with versatile mounting - with a slot in which M4 mounting studs can slide.



Length up to (mm)	1100 & 1100-S Bar
100	
200	
300	
400	
500	
600	
700	
800	
900	
1000	
1100	
1200	
1300	
1400	
1500	
1600	
1700	
1800	
1900	
2000	
2100	
2200	
2300	
2400	
2500	
2600	
2700	
2800	
2900	
3000	

Model 1100
Most compact version
with fixed mounting
studs 20 mm from
each end.
Studs are M4 x 20 mm.

Model 1100-S
Version with versatile
mounting - with a slot
in which M4 mounting
studs can slide.



For use with HP50-1, HP50-2,
HP50- 4 & HP80 Power Units.



For use with 9055-2 Power Units.

Important Ordering Information			
Please ensure all orders specify the correct information:			
A Model Number			
B Overall Length (4 digits, in mm)			
C Cable Length (in m)			
D Connection			
For example:			
A	B	C	D
1100	1000	2.5	HP
Model : 1100 Bar 1000mm long with 2.5m cable and HP Connection			

Hi-Flex 30 kV screened cable with 70 mm bend radius.
Standard length is 2 m - longer lengths can be specified
at time of order (subject to maximum load on power
unit).



1100 Bar