

Polex Environmental Engineering Pty Ltd  
ACN 121 129 842

### Polex™ Inclined Plate Separator Series

#### Description

The Polex Inclined Plate Separator series is specifically suited to applications where trim is to be separated from an airstream and processed by compactors, briquetting machines or contained in bins. The most common trim applications are paper, cardboard, edging trim and Aluminium foil. The adjustable inclined plate permits continuous, blockage-free operation.

#### Operating Principle

Trim laden air enters through an inlet in the main body and is directed onto an inclined perforated plate. The trim waste drops out into the hopper while the air continues through the perforated plate. This cleaned air is then discharged to atmosphere or through discharge ductwork.

#### Construction

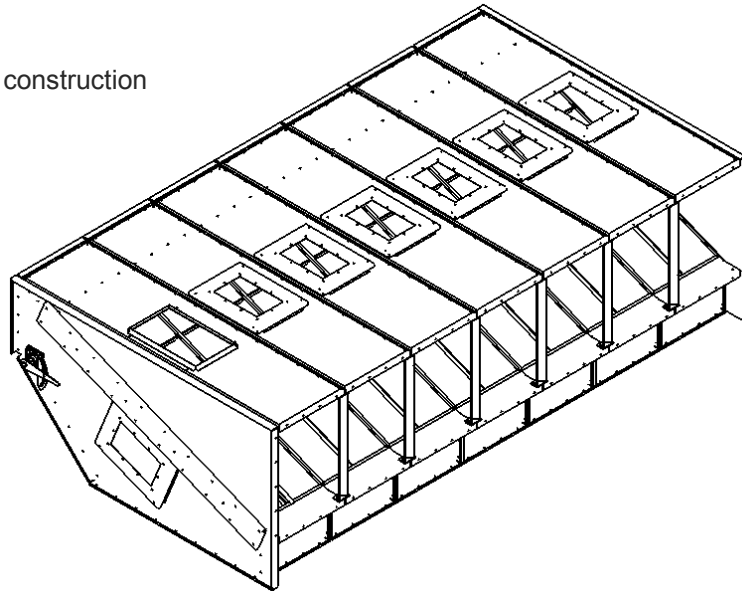
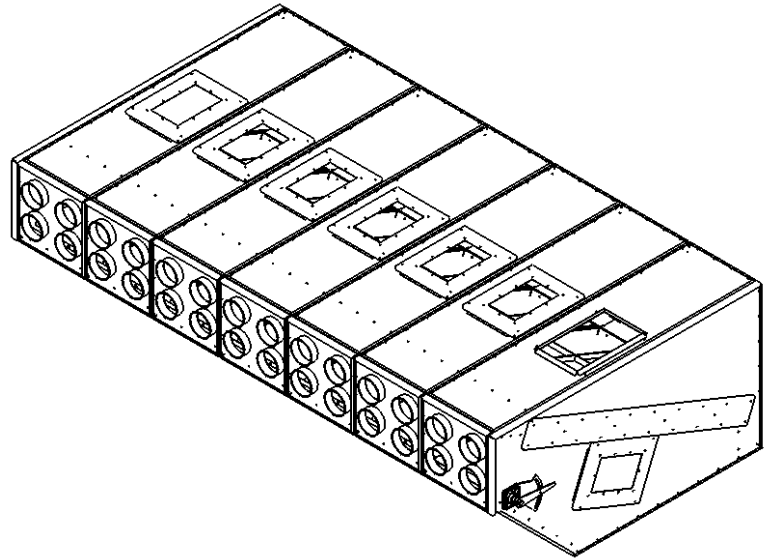
- 1.6 to 3 mm thick folded mild steel construction
- Heavy duty rubber seals
- Galvanised finish

#### Applications

- Edging trim
- Paper trim
- Cardboard trim
- Aluminium trim

#### Options

- Fans
- Variable speed drives
- Hoppers
- Support stands
- Ducting
- Installation



- Suitable for a range of applications
- Available in Stainless Steel
- Designed for any airflow requirement

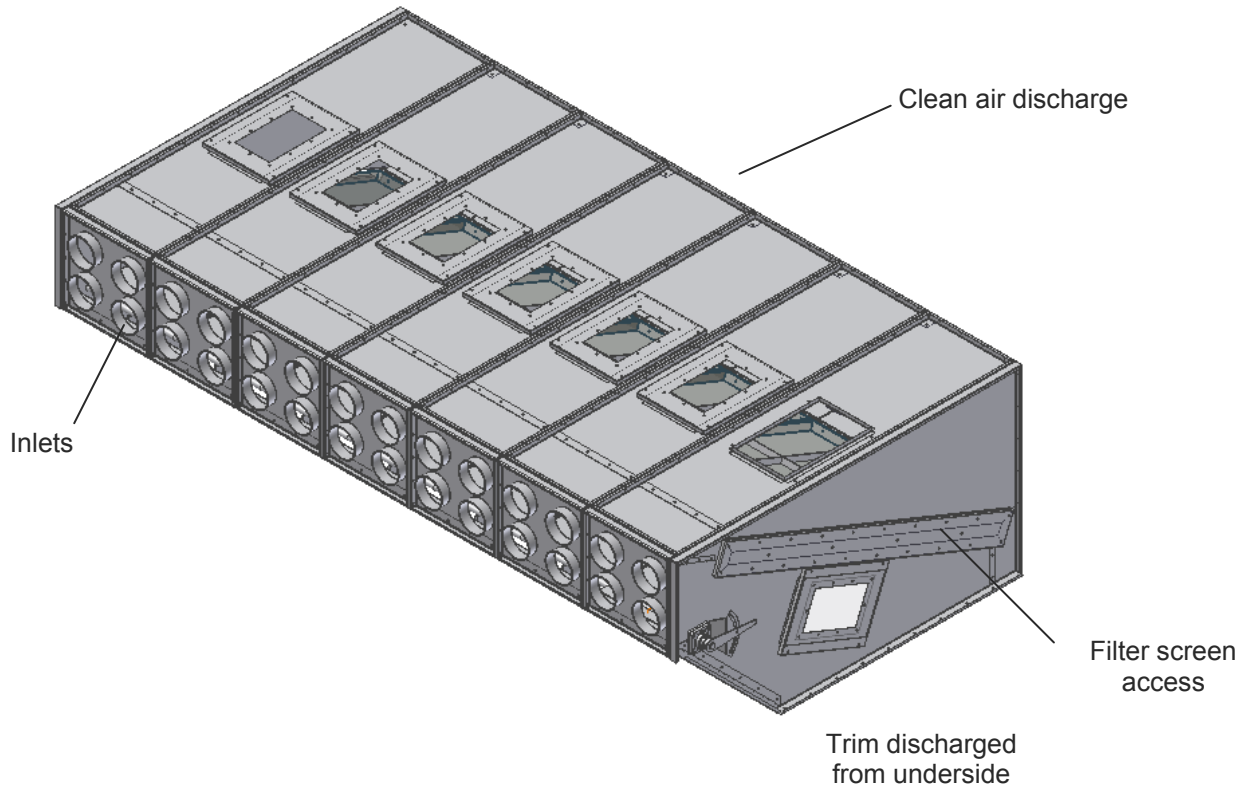
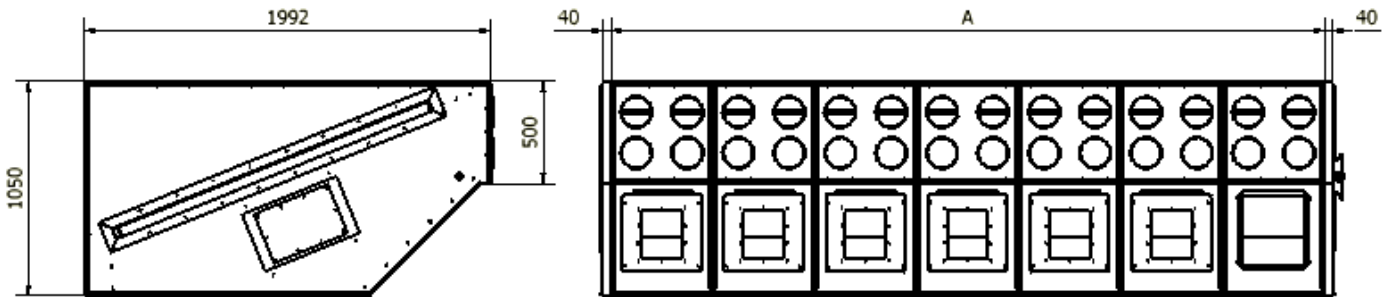
#### Options

Centrifugal fans	Cyclone pre-separators	Vacuum relief valves
Ducting	Bin level sensors	Electric actuator valves
Antistatic filters	Explosion vents	Silencers
Stainless steel construction	Vacuum gauges	Acoustic fan enclosures
Hand railing	Various bin sizes	Rotary valves
Hydrophobic filters	Emission monitoring equipment	Electric controls
Maintenance	Installation	Commissioning

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**Inclined Plate Separator Summary**

Model	Width A (mm)	Module quantity	Airflow (m <sup>3</sup> /h)
IPS1	500	1	5,000
IPS2	1000	2	10,000
IPS3	1500	3	15,000
IPS4	2000	4	20,000
IPS5	2500	5	25,000
IPS6	3000	6	30,000
IPS7	3500	7	35,000
IPS8	4000	8	40,000
IPS9	4500	9	45,000
IPS10	5000	10	50,000



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