

Inline Angel Hair Trap

Data sheet

The Inline Angel Hair Trap is designed to collect "angel hair", while allowing the plastic pellets to continue passing through the pipes in vacuum and pressure conveying systems.

Angel hair refers to the long, hair-like strands of plastic that form when certain resins are conveyed at high speeds through a conveying tubing. As these strands solidify, they accumulate and eventually break off, travelling with pelletized material. This buildup can cause blockages and operational inefficiencies throughout the system, from the rail car or truck all the way to the final processing machine. Angel hair formation is most common at elbow bends and within the first few meters downstream from these points.

Our inline Angel Hair Trap is designed to be installed directly in the material stream, where it effectively captures angel hair, streams, or snake skins while allowing pellets to pass through unimpeded. The large size is ideal for use in both vacuum and pressure conveying systems and the small size is ideal for vacuum systems only, ensuring smooth material flow and preventing operational disruptions caused by the buildup of plastic strands.

Features

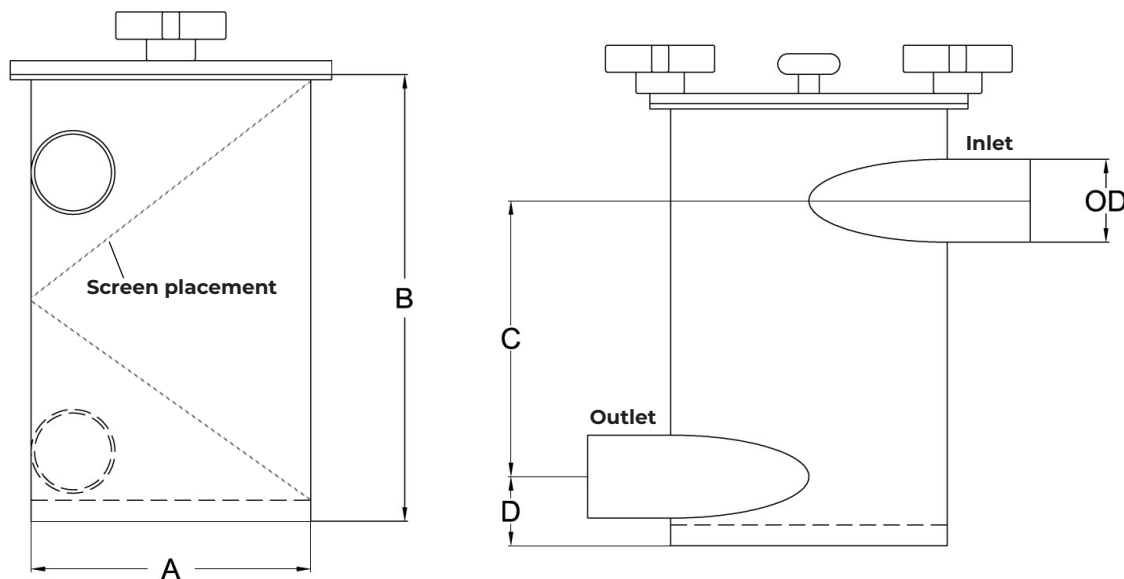
- Supplied in 2 pipe sizes: OK160 and Ø50mm (2 inch).
- Clear top cover for easy level inspection.
- Easy removal and change of screen for cleaning.
- Made in AISI 304 stainless steel.
- Ø50 connects to line with compression couplings.
- OK 160 connects using quick release clamps.
- Knobs for easy cover removal.
- Recommended airflow is 20-30 m/s.

Benefits

- **Eliminate Downtime:** By capturing angel hair and streamers before they can accumulate, the inline Angel Hair Trap minimizes the risk of blockages and system interruptions, significantly reducing costly downtime associated with manual clean outs or equipment failure.
- **Reduced Material Buildup:** Angel hair often entangles with pelletized material, creating clumps or bridging that can obstruct the flow of pellets, especially in the cone-shaped base of receivers. Our trap prevents this buildup, ensuring a smooth and uninterrupted material flow throughout the conveying system.
- **Increased Quality:** Uncontrolled angel hair can lead to inconsistent processing, impacting the quality of the final product. By removing these strands early in the process, the inline trap helps maintain consistent material quality and reduces the risk of defects or performance issues in downstream operations.



Dimensions



Connection Type	A mm	B mm	C mm	D mm	Weight kg
Ø50	260	420	265	65	13
OK160	460	610	370	105	42

Spare Parts

Available spare and replacement screens for Angel Hair In-line Traps.

Part Number	Description
122001612	Spare screen for Ø50 Angel Hair Trap
122001613	Spare screen for OK160 Angel Hair Trap