



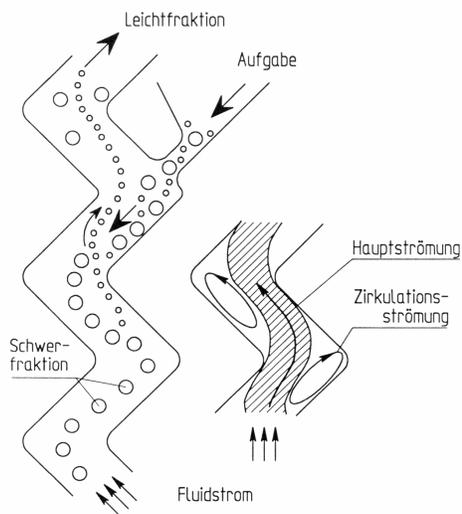
CASCADE SIFTER/SEPARATOR

AMIS Cascade separator is used for the separation of material by specific densities and particle shape of form. The separator is also implimated when the material shape creates a difficult separation or when material screening is not possible.

Function:

The material is either pre-size reduced or size reduced to its final size. The feeding materia is then transported into the cascade separator with for example and feed screw, feed trough or pneumatically.

The separation channel inside the separator operates with a designated air velocity. As the material travels through the system the cascade effect creates a material tumbling effect and causes a material suspension whereby the heavy fraction material slides through the air velocity and a separation of lights from heavys occurs. Through the abrupt tumbling effect the material and air velocity is altered and opens the material for an effective separation.



Pic. 1 Function:



Pic .2 Separator with pneumatic feeding and discharge system for light fraction..

Through cascades creates an extremely effective material separation.

The coarse or light fraction exits at the end of the channel or on the side mounted heavy fraction discharge. The light fraction rises and is discharged on the upper area of the separator. Via a blower discharge system with cyclone separator

The precise separation can be achieved through the adjustable air regulator valve.



CASCADE SIFTER/SEPARATOR

Areas of use:

Fused material

I Separation of textiles, fibre and textile produced materials such as carpet, fibre reinforced hoses, rubber products, foam backing products, textile coated plastics from the automobile industry, etc.

Plastic fractions from household or old materials.

I Separation of light material for example (film, paper, cardboard, textiles, etc.)

I Separation of heavy materials such as (stones, glass, metal, etc.) from the pre-size reduce material.

Cable recycling

I Separation of copper or aluminium from PVC/PE-cable jackets that has been pre-size reduced through a granulator.

Metal-plastic mixture

I Metal contaminated plastic granulate can be cleaned or separated in conjunction with a all metall separator.

PVC-profile producers and PVC-profile recyclers

I Plastic protection film can be separated from the profiles eliminated the need for manual film removal. The film is separated from the granulate in the cascade separator.

Granulate dust removal

I Separation of dust, fluff and fine particles can be removed from the final product for example (HDPE blow moulded materials or injection moulded materials.



RECYCLING TECHNOLOGY - NEW AND SECOND HAND