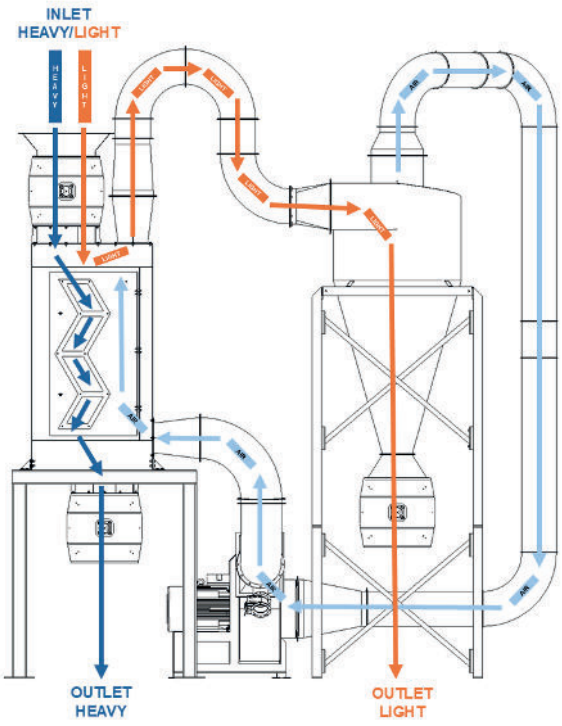
ELDAN Light Fraction Sorter / LFS (40/60/80/120)

Up to 8 000 kg/h





Eldan Light Fraction Sorter / LFS

The Eldan Light Fraction Sorter / LFS is used in recycling processes for separating materials based on their physical properties – size/weight/density.

The material to be separated is transported to the top of the zig-zag shaped funnel and fed into the funnel through an air lock. A centrifugal ventilator generates an up going air flow in the funnel.

As the material stream is down going, the up going air flow catches the light fraction of the down going material stream, and lifts it upwards, while the heavy material fraction continues downwards.

The heavy fraction is exiting the funnel bottom through an air-lock while the light fraction is – through a duct system – transported to a cyclone where it is separated from the air flow. The air is now reused in the closed air loop. The airflow is adjusted by the frequency controlled ventilator.

	Frequency Drive			
Technical specifications	**40**	**60**	**80**	**120**
Cyclone Ø (mm)	950	1 100	1 550	1 850
Capacity* tons/h	0,2 - 3,0	3,0 - 5,0	5,0 -7,0	7,0 - 8,0
Power kW	7,75	9,75	13,25	17,25

* Depending on input. Standard voltage: 3 ph, 400, 50 Hz – for other voltages please contact our sales department

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