

J-Flow Air Separator

The J-Flow is a compact gravity classifier with an internal air circuit that separates heavy from light particles in the air stream. The bulk materials should be free-flowing and have no baking or strong dusting properties. The J-Flow is used for post-cleaning of metal fractions (ASR processing) in order to separate residual foils, textiles, fluff, dust, foam, polystyrene and other light parts. The aim of this sifting is to ensure that almost no metals are lost.

The typical particle size range is between approx. 20 and up to 120 mm. But also longer pieces up to a size of 300 mm can be sifted effortlessly in the J-Flow. For better sortability, fractions with a grain size range that is not too wide are usually fed in, e.g. 20 to 50 mm and/or processed from 50 to 100 mm.

Due to the integrated lightweight separator, the J-Flow has a very compact design. The recirculation air is generated by radial impellers connected in parallel, which allow precise control to ensure cleaner separation. The higher power of the radial impellers produces a more powerful airflow, ensuring clean separation of light particles even at higher loads.

With the frequency converter, the airflow rate of the J-Flow air separator can be customized and easily adjusted to suit the product being processed.



APPLICATIONS

- ICW (cable fraction after optical sorting)
- Zorba (non-ferrous metals from eddy current separator)
- Zurik (stainless steel fraction after optical sorting)
- Printed circuit boards (after optical sorting)
- Shredder-Heavymaterial

MATERIAL



AL scrap heavy



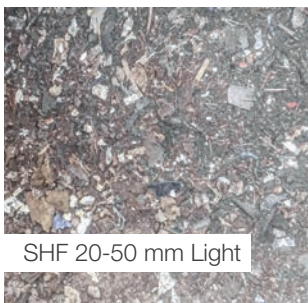
AL scrap light



ICW heavy



ICW light



SHF 20-50 mm Light



SHF 20-50 mm Heavy



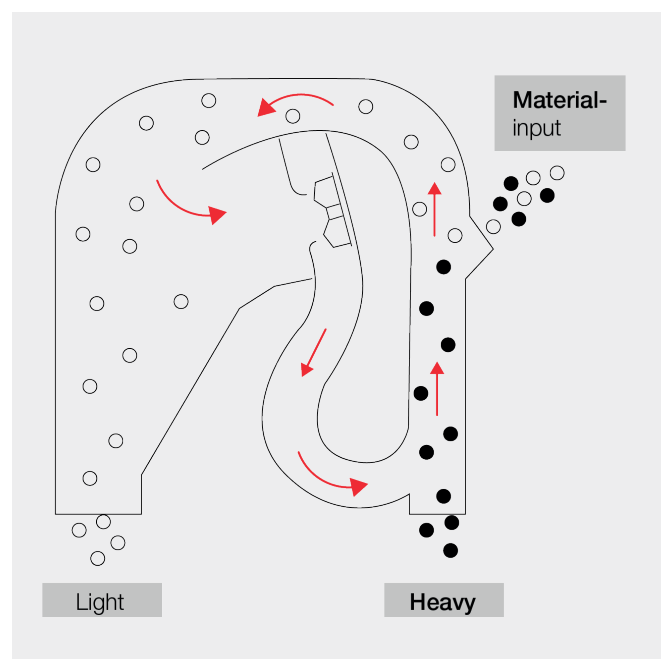
SHF 8-20 mm Light



SHF 8-20 mm Heavy

ADVANTAGES

- ✓ Compact Design with Inner Air Circuit due to Radial Impellers
- ✓ Can Be Easily Integrated
- ✓ Good Accessibility, Easy Cleaning
- ✓ Simple Installation and Commissioning
- ✓ Low Space Requirements and Implementation Costs
- ✓ Low Operating Costs
- ✓ Low Investment due to Compact System
- ✓ Simple Control with Frequency Converter for Stepless Reproducible Air Volume Adjustment
- ✓ Individual Settings Possible



TECHNICAL DATA

Type	Working width in mm	Dimensions Width x Length x Height in m	Throughput	Air Flow	Weight approx.	Power approx.
J-Flow 450 *	450	0,6 x 1,9 x 1,8	1,5 up to 3	6.000		1 x 5
J-Flow 900	900	1,1 x 1,9 x 1,8	3 up to 6	12.000	900	2 x 5
FUF 800/-200x1600	800	1,4 x 1,7 x 1,0	3 up to 6		550	2 x 0,95
OSCILLA Screen-Feed						
900x1980	900	1,7 x 3,2 x 1,7	3 up to 6		1.600	2 x 2,5
J-Flow 1350 *	1.350	1,6 x 1,9 x 1,8	4,5 up to 9	18.000		3 x 5
FUF 1250/-200x1600 *	1.250	1,7 x 1,6 x 0,9	4,5 up to 9			2 x
OSCILLA Screen-Feed						
1200x1980	1.200	2,0 x 3,2 x 1,7	4,5 up to 9		1.900	2 x 2,5
J-Flow 1800	1.800	2,1 x 1,9 x 1,8	6 up to 12	24.000	1.300	4 x 5
FUF 1700/-200x1800	1.700	2,0 (2,4) x 1,9 x 1,7	6 up to 12		1.150	2 x 1,6
OSCILLA Screen-Feed						
1500x1980	1.500	2,0 (2,4) x 3,2 x 1,7	6 up to 12		2.200	2 x 2,5

* Available soon.

All table data are estimated values.

