

GRAVITY TECHNOLOGY

CLOSED LOOP AIR CLASSIFIER

Models ACS and ACL

TECHNICAL SPECIFICATIONS

Designed to process Eddy Current Separator ASR waste and optimize separation between soft light particles (foam, textile...), solid heavy particles (metals, rubber, heavy plastic, wood...) and dust.

Using an SGM Air Classifier after your ECS and before your sensor based separators, results in a better material presentation to your sensor separators and a greater purity of your Zurik and Copper Wire. The metals, including copper wire, end up concentrated in the heavy fractions coming off the SGM Air Classifier that typically represent over 60% in weight of the ECS waste, but less than 50% in volume.

PRODUCT HIGHLIGHTS

- Closed loop design.
- Includes eight inspection hatches for easy inspection and maintenance.
- Bolted assembly cyclone for easy replacement of worn parts.
- Parts exposed to wear in Hardox 400 Intel Core i7 processors, UPS devices and redundant SSD hard disk drives.

MODEL	FAN MOTOR	INFEED AIRLOCK	LIGHTS AIRLOCK	CYCLONE AIRLOCK	CAPACITY (*)
ACL-ACS 43"	30 HP	2 HP	2 HP	2 HP	4-5 t/h
ACL-ACS 86"	60 HP	3 HP	1.5 HP	3 HP	8-10 t/h

ACS AIR CLASSIFIER SMALL FOR ASR 20 mm - 3/4" TO 40 mm - 1 1/2"			ACL AIR CLASSIFIER LARGE FOR ASR 40 mm - 1 1/2" TO 10 mm - 4"		
	43X10	86X10		43X12	86X12
A	1100 mm - 43"	2170 mm - 85"	A	1100 mm - 43"	2150 mm - 85"
B	245 mm - 10"	245 mm - 10"	B	330 mm - 13"	330 mm - 13"
C	245 mm - 10"	245 mm - 10"	C	457 mm - 18"	457 mm - 18"
D	5600 mm - 220"	6000 mm - 236"	D	5600 mm - 220"	6000 mm - 236"
E	5280 mm - 207"	5280 mm - 207"	E	5280 mm - 207"	5280 mm - 207"
F	2000 mm - 78"	2000 mm - 78"	F	2000 mm - 78"	2000 mm - 78"
G	760 mm - 30"	760 mm - 30"	G	406 mm - 16"	414 mm - 16"
J	245 mm - 10"	245 mm - 10"	J	330 mm - 13"	330 mm - 13"
K	2768 mm - 109"	3645 mm - 143"	K	3020 mm - 119"	3925 mm - 154"
P	406 mm - 16"	762 mm - 30"	P	558 mm - 22"	762 mm - 30"
V	900 mm - 35"	2000 mm - 78"	V	900 mm - 35"	2000 mm - 78"
X	8088 mm - 318"	8560 mm - 337"	X	8088 mm - 318"	8560 mm - 337"
Y	3758 mm - 148"	5595 mm - 220"	Y	3758 mm - 148"	5595 mm - 220"
Z	5790 mm - 228"	5150 mm - 202"	Z	6474 mm - 255"	6189 mm - 243"

(*) Depending on application, material specific weight and metal content in material

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TYPICAL APPLICATIONS

Model ACS:
for medium ASR from 20 mm - 3/4" to 40 mm - 1 1/2"

Model ACL:
for large ASR from 40 mm - 1 1/2" to 100 mm - 4"



Heavy fraction from SGM Air Classifier going to metal sensor



Light fraction from SGM Air Classifier (waste)

