

SOBY ASPIRATED PRE-CLEANER



The Ultimate in Grain Care

WHY BDC SYSTEMS?

SALES & DESIGN

We offer a full range of post-harvest equipment from world-leading manufacturers. Our sales team covers the entire UK and Ireland, and are highly experienced in designing and specifying systems for new-build and plant extensions on an agricultural and industrial scale.

TECHNICAL SUPPORT

As well as after-sales support, our technical support department has an enviable knowledge of all aspects of grain drying, storage, cleaning and conveying.

SPARES

We keep in stock a wide range of commonly required spare parts and ducting for much of the equipment we supply. This can be dispatched quickly by carrier or on our own transport for local customers. Items not carried as standard stock can be sourced quickly from the original manufacturers.



- Efficient separation of dust and chaff
- Available in four different sizes to suit grain flows of 12 to 60 tonnes / hour
- Adjustable fan angle
- Integral fan damper
- Mounting hooks for suspension
- Cyclone, stand and inlet funnel available as options

The Soby aspirated pre-cleaner is designed for separating dust, chaff and lightweight impurities from grain. It is also suitable for cleaning oilseeds, rice, plastic granules, etc.

The pre-cleaner is ideal for positioning at the intake of a grain store to improve the quality of incoming crops, or in conjunction with a cleaner to add effective aspiration.

The aspirated pre-cleaner consists of a centrifugal fan combined with a separation cone, and it can be used with a cyclone to separate waste from the exhaust air. The motor is attached directly to the fan and the unit can be rotated to exhaust in any

direction. A cyclone can be positioned remotely from the pre-cleaner, up to the maximum distance recommended overleaf.

Grain enters through a pipe into the separation cone where it falls down over an impellor that rotates with the force of the airflow from the fan. The impellor spreads the grain so it is dispersed into the upwards moving airflow. The lighter particles are sucked with the airflow up and out through the fan.

A damper is fitted to the fan to regulate the suction depending on the crop and desired effect.

TECHNICAL SPECIFICATION

DRYING:

- ◆ Svegma Continuous Flow or Batch Grain Dryers
- ◆ Drying Silos

HANDLING:

- ◆ Skandia Elevators & Conveyors
- ◆ Silo Discharge Systems

STORAGE:

- ◆ Hopper Bottom Square Silos
- ◆ Lorry Loading Silos
- ◆ Round Silos
- ◆ Square Silos

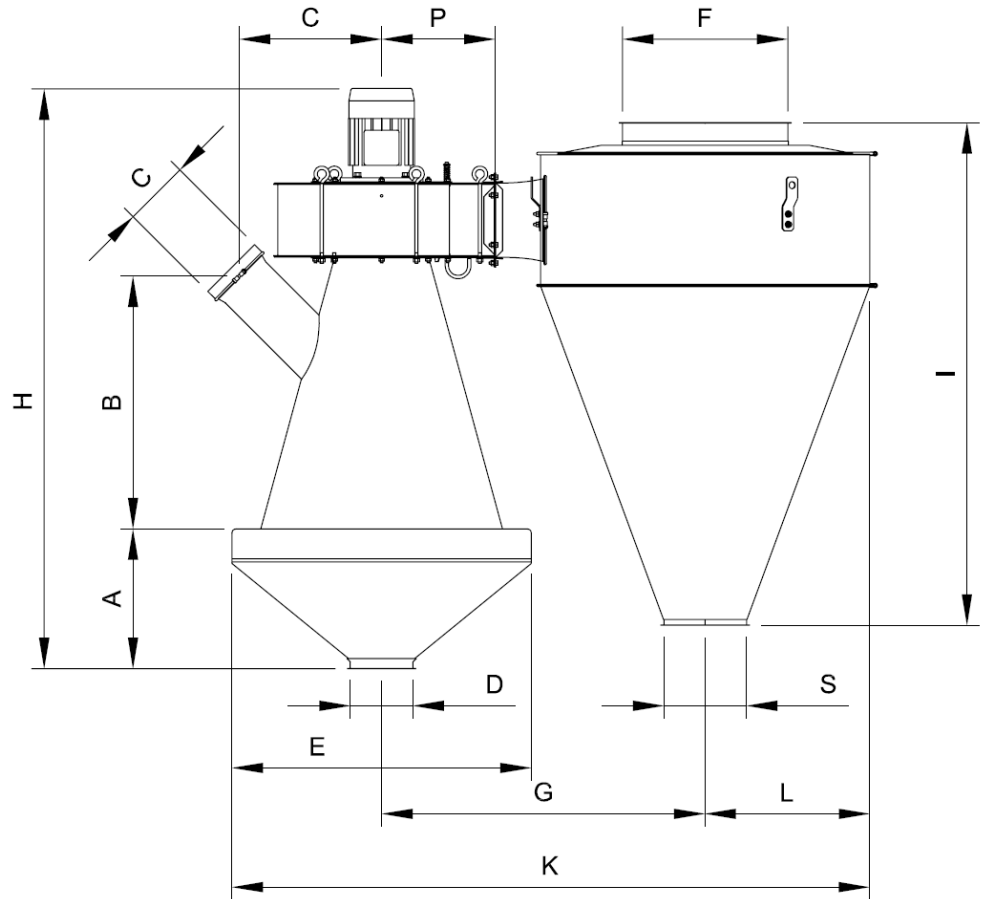
VENTILATION

- ◆ Low Cost Galvanised Steel Air Stacks
- ◆ Fans
- ◆ Corraduct Laterals
- ◆ Multibar Laterals
- ◆ Drive-Over Laterals
- ◆ Kool-It Airspears
- ◆ Grain Butler Self Propelled Stirring Auger

CLEANING

- ◆ Skandia Dust & Chaff
- ◆ Aagaard Pre-Cleaners
- ◆ Zanin Cleaners
- ◆ Denis Cleaners
- ◆ President Cleaners

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	DIMENSIONS (MM)												
TYPE	A	B	C	D	E	F	G	H	I	K	L	P	S
R14	241	450	125	150	502	300	617	1144	892	1156	276	197	150
R25	338	612	150	150	725	400	783	1404	1210	1544	399	275	200
R40	410	920	200	200	1000	400	1400	2140	2400	2250	350	560	200
R60	410	920	200	200	1000	400	1400	2140	2400	2250	350	560	200

	R14	R25	R40	R60
Fan Motor	0.75 KW	2.2 KW	5.5 KW	7.5 KW
Capacity (dry wheat @ 750 kg/cu m)	12 -14 tph	20-25 tph	40-50 tph	50-60 tph
Air Volume	1400 m ³ /hr	2400 m ³ /hr	5500 m ³ /hr	6000 m ³ /hr
Exhaust duct	Ø150m	Ø200mm	Ø300mm	Ø300 mm
Maximum Exhaust Duct Horizontal Length	18m	24m	21m	21m
Weight	32kg	78kg	185kg	189kg
Finish	Powder coated (green)	Powder coated (green)	Galvanised	Galvanised
Cyclone (optional)	R14 Ø600	R25 Ø800	R40 Ø1000	R60 Ø1000
Cyclone Weight	14kg	30kg	52kg	52kg



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