

AIR STACKS & AIRSPEARS



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.



- Effective crop cooling.
- Galvanised construction.
- Low cost.
- Louvred base section for efficient airflow.
- Can be used to blow or suck.
- Suitable for small seeds.
- No hessian cover required.
- Manufactured in the UK.

BDC Systems offers a range of galvanised air stacks for the effective ventilation of bulk stored grain. The louvred design offers superior airflow to perforated steel or slotted plastic designs of the same diameter, while also being suitable for rapeseed and other small seeds.

The portable fans are easily movable from one stack to another. Various height and diameter and fan combinations are available to suit any depth of grain. If you are looking for something outside our standard range, such as the manifold system pictured below, give BDC Systems a call to discuss your requirements.



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

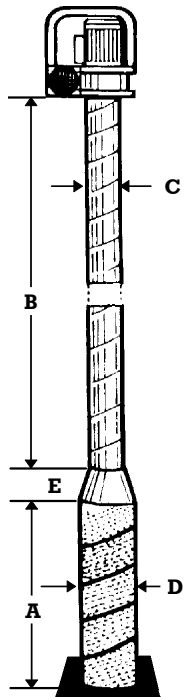
CLEANING

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

The Ultimate
in Grain Care

Grain Depth	AIR STACK RANGE							DIMENSIONS (MM)				
	Model	Stack Nom Height	Stack Max Centres	Max Tonnes per Stack	Fan Model	Fan cfm @ 2" wg	Fan KW	A	B	C	D	E
8' (2.4m)	250/150	8'10" (2.7m)	16' (4.9m)	40	CB7	300	0.25	900	1500	150	200	300
10' (3m)	250/150	11'6" (3.5m)	20' (6.1m)	90	CB8	700	0.55	1200	2000	150	250	300
12' (3.6m)	250/150	14'9" (4.5m)	24' (7.3m)	150	CB8	700	0.55	1200	3000	150	250	300
14' (4.3m)	250/200	16'6" (5m)	28' (8.5m)	240	CB9	1400	1.10	1200	3500	200	250	300
16' (4.9m)	350/200	18' (5.5m)	30' (9.1m)	320	CB9	1650	1.5	1500	3700	200	350	300
17' (5.2m)	350/250	19'6" (6m)	33' (10m)	380	CB9	1900	2.2	1500	4200	250	350	300

- ◆ Above details assume level fill grain storage depth and m.c. of 15%.
- ◆ Tonnes per stack is a maximum dependant on spacing of stacks, depth, moisture content and temperature of grain.
- ◆ Maximum distance of Air Stack from building wall should be no more than the approximate grain depth.
- ◆ Fans recommended are based on normal ventilation rates, if faster cooling required (i.e. grain from high temperature drier) use a larger Air Stack and fan unit or closer formation and a fan for every stack.
- ◆ Number of fan units required is dependant on daily filling capacity of store.

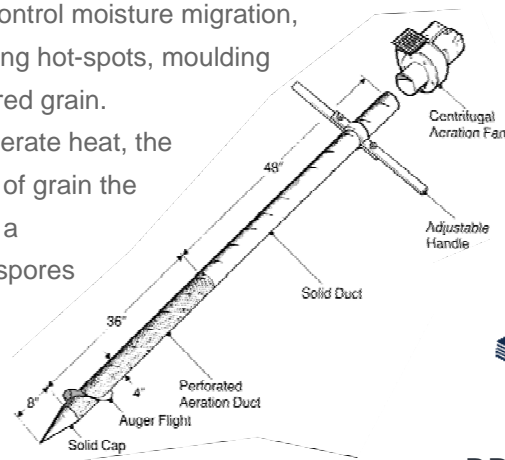


AIRSPEAR

Airspears are designed to control moisture migration, condensation, general heating hot-spots, moulding and insect infestation in stored grain.

Grain stored in bulk will generate heat, the higher the moisture content of grain the greater the problem. Above a temperature of 15°C mould spores on the grain will germinate creating hot-spots.

Airspears can be used to prevent the generation of temperature in grain or to remove hot-spots which occur, the Airspear sucks the hot air from the grain allowing air of ambient temperature to enter the grain.



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