

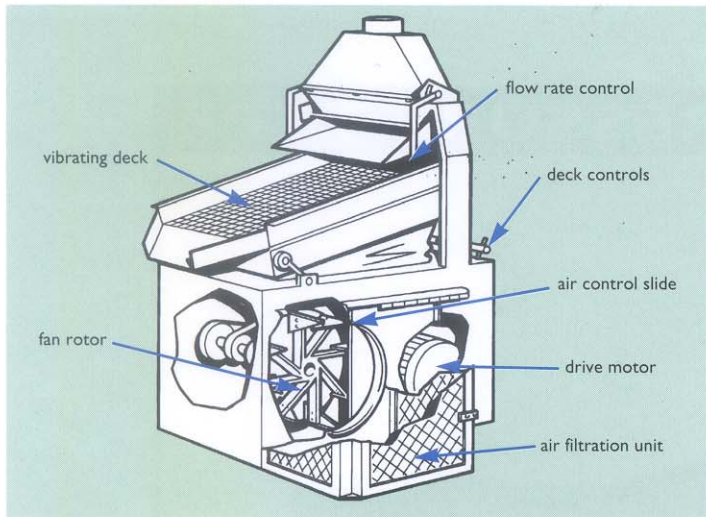
DESTONERS - PRESSURE TYPE



MODEL DS 6

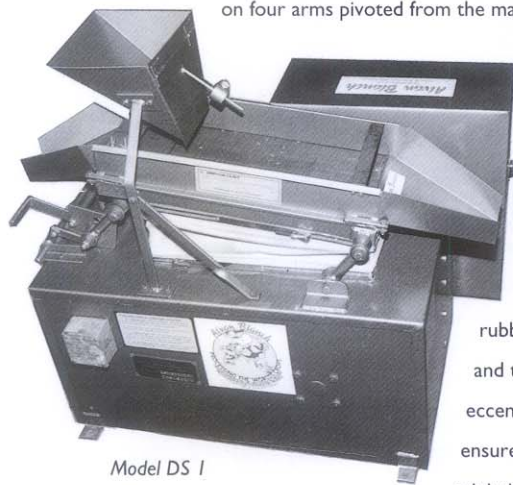
- AB** Suitable for a wide variety of products
- AB** Remove stones, metal etc accurately and reliably
- AB** Capacities from 750 Kg/hr to 8 T/hr
- AB** Simple and fine adjustment for optimum performance.
- AB** Easy to clean, minimum maintenance
- AB** Positive locking to maintain settings - giving consistency

**The reliable solution when removal of all stones
from almost any granular product is required.**



APPLICATION : Alvan Blanch high performance destoners are suitable for handling all cereals, pulses, legumes, some spices and industrial materials such as; plastics, chemicals and minerals. Products should be dry, granular and of a reasonably consistent particle size.

CONSTRUCTION : Destoners are robustly built from pressed mild steel sheet. The bed is of a special mild steel woven mesh and is mounted on four arms pivoted from the main body of the machine.



Model DS 1

Deck angle, stroke and frequency are infinitely adjustable within ranges, air volume can also be controlled. The rubber bushed suspension and the finely tuned eccentric drive mechanism ensure that vibration is minimized. The body encases

the deck drive mechanism as well as the paddle bladed fan unit. An air filtration unit with cleanable filters is fitted to the fan inlet.

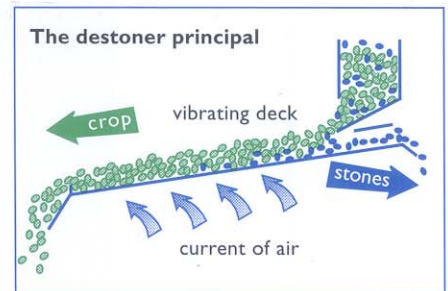
OPERATION : Destoners operate on selection of differences in specific weight between the product and stones etc. Product flows through a regulated feed onto the vibrating bed where it is stratified by the combined action of the bed movement and the pressurized airflow

from beneath the bed. Lighter material rises to the top whilst heavier particles sink. The bottom strata makes contact with the bed which exacts an uphill throw so that the stones, mudballs, metal fragments, that make up this bottom strata, climb up the deck until they are discharged. Meanwhile the good product floats down the bed, due to the direction of the airflow, and is discharged. If properly set, no good product is discharged with the stones and no stones are discharged in the product.

The adjustments are simple to learn and settings are lockable, so that the machine continues to perform in the same way. It is important that the correct bed mesh is used for the particular size of product.

Material should first be pre-graded, so that any small particles that would pass through the bed mesh are removed. Destoners

should ideally be installed following an efficient aspirator (such as a cleaner) to remove dust particles.)



OPTIONAL EQUIPMENT :

Pre-aspirator - Mounted directly above destoners - to remove all light particles from sample (including light grains etc).

Dust collection hood - Positioned over the bed, with fan to collect exhaust from destoner and convey to outside of building or to filters.

Light product removal - An adjustable dam can be fitted so that the lightest strata of the good product is removed.

Stainless steel - All contact parts, including mesh, can be supplied in stainless steel for crops such as confectionery nuts etc.

Vacuum type destoners: - Versions of the destoner with a vacuum rather than pressure bed are also available.

SPECIFICATIONS								
MODEL	MAXIMUM CAPACITY(1)	DRIVE	BED AREA MM	DIMENSIONS (2) MM			SHIPPING (3) SPECIFICATION	
				L	W	H	M3	KGS
DS1	750 kg	0.75 kw (1HP)	495 x 203	940	533	838	0.7	150
DS2	1500 kg	1.1 kw (1.5HP)	495 x 406	940	737	914	1.0	250
DS6	6500 kg	5.5 kw (7.5HP)	850 x 723	1346	925	1670	3.7	500
DS8	8000 kg	7.5 kw (10HP)	1140 x 723	1422	925	1820	4.3	700

NOTES

- (1) Capacity - will vary considerably depending on the nature of product.
- (2) Dimensions - are nominal and cover machine without air filter unit.
- (3) Shipping specification - cover machine with air filter unit.

In accordance with our policy of continuous development, we reserve the right to change specifications and prices at any time without notice or incurring liability to purchasers. All goods supplied according to our published terms and conditions of sale (copies on application)

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