



ALVAN BLANCH

Processing the World's Crops

OVERHUNG DISINTEGRATOR



OD 11

- AB** *For fine grinding of a wide range of crops and minerals.*
- AB** *High speed - up to 6000 rpm with beater cross type mill rotor.*
- AB** *Size of the finished product determined by selection of perforated screen.*
- AB** *Convenient stand arrangement with direct 'bagging' from mill.*
- AB** *Heavy duty construction with cast iron body.*

**Part of a wide range of specialist grinding equipment
from Alvan Blanch**

BEATER CROSS

Grinding is by a four arm beater cross of high grade steel alloy, heat treated for maximum hardness and strength. It revolves at between 4000 and 6000 rpm depending on model. The hammer blow shatters the material which passes through the screen for discharge.

MODEL	BEATER CROSS SPEED	POWER REQUIREMENT	
		HP	KW
OD 11	6000 rpm	5.5 hp	4.0 kW
OD 18	4000 rpm	10hp	7.5 kW

SCREENS

The screen which is available in either perforated steel plate or as cast iron frame with steel cross bars forms the lower half of the grinding chamber. Perforated plates can be supplied in stainless steel, if required. Bearings are lubricated ball and roller.

GRINDING

Overhung disintegrators are usually intended for dry grinding but are suitable for certain applications involving wet material under controlled conditions.

COLLECTION OF PRODUCT

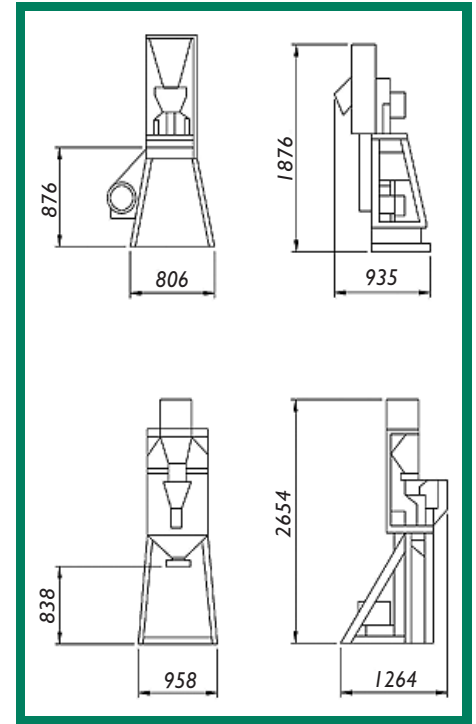
All Alvan Blanch disintegrators are normally arranged with a sacking off cylinder but are all available for discharge into a pedestal stand and mounting over an underhopper.

METHOD OF FEEDING

When only small quantities are being ground a hand feed tray is usually most convenient. For large quantities feeding from an overhead bin via an electric feeder is recommended.

MATERIAL	SCREEN MESH (mm)	APPROX KG/Hr
Aniseed	1.0	100
Casein	1.0	30
Charcoal	0.5	100
Chicory	1.5	200
Cinnamon	0.5	100
Colour Pigments	Dependent on spec	
Derris root	0.5	12
Ginger	0.5	80
Gum Karaya	1.5	115
Gum Tragacanth	0.5	25
Liquorice Root	0.5	25

MATERIAL	SCREEN MESH (mm)	APPROX KG/Hr
Manioc Root	1.0	330
Nutmegs	3.0	200
Pepper, Cayenne	1.0	50
Quinnie Bark	0.5	70
Resin	1.5	400
Senna Leaves	0.5	70
Shellac	1.0	300
Tapioca Root	1.0	250
Tobacco	0.5	35
Turmeric	0.5	50
Valonis (dried)	1.5	330



OUTPUTS

The capacity of the machine depends on the nature and condition of the material being ground, together the power available and screen size. The list below may be taken as a rough guide and shows outputs in kgs per hour, based on the model OD 18. The model OD 11 will give approximately half the quantity shown.

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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