

**Uniquely Versatile - perfect results on every material**

No other range of driers can match the range and condition of materials that can and have been successfully handled by these driers

**Easy to relocate**

If long term plans may change it's good to know that Alvan Blanch driers are easy to relocate and retain excellent resale values.

**A Long Track Record For First Class Service**

Of almost equal importance to the product itself is our approach to Customer Service, which has been continuously improved over the past 50 years.

Our driers are totally designed and manufactured at our 9,000m<sup>2</sup> factory in Wiltshire and our Northern factory in Berwick upon Tweed, so we are able to maintain direct control of every aspect of the job up to the point of delivery.

Our highly experienced service engineers operate from the main factory and our Northern factory serving Scotland/Northern England. We also operate a 'Hot Line' parts and advisory service.

We guarantee ongoing parts availability for all driers.

Our highly experienced area managers, all processing system specialists, are ready to prepare layout design proposals.

**Confidential Processing**

Many specialist and confidential projects have been undertaken for a variety of clients. Please contact our special products division if you require this service.

**Just some of the products dried**

- |                  |                 |
|------------------|-----------------|
| Bagasse          | Oats            |
| Barley           | Paper           |
| Borage           | Peas and Beans  |
| Bread Crumbs     | Pellets         |
| Chilli Peppers   | Plastics        |
| Cocoa Beans      | Poppy Seeds     |
| Coffee Beans     | Potato Peelings |
| Compost          | Pyrethrum       |
| Cotton Seed      | Rape Seed       |
| Evening Primrose | Rice            |
| Glass            | Saw Dust        |
| Grass            | Seaweed         |
| Grass Seed       | Soya Beans      |
| Herbs            | Straw           |
| Limestone        | Sugar Beet Pulp |
| Linseed          | Sunflower       |
| Maize            | Wheat           |
| Malted Sorghum   | Wood Shavings   |

**SPECIFICATIONS**

Model	Approximate Evaporative Capacity at air temp 90°C Kgs/hr	Overall Body Dimensions			No of Sections	Hot Fans	Cooling Fans	Burners	Trace Drive	Main Leveling Spinner	Intake Spinners + No.	
		Length	Width	Roof Height								
		m				kW						
SPD 13750	800	15.1	3.0	4.7	1	2 x 9.0	9.0	0.37 + 0.37	0.55	1.5	0.55 x 3	
SPD 17750	1050	15.1	3.6	4.7	1	2 x 11.0	11.0	1.1 + 0.55	0.75	1.5	0.55 x 3	
SPD 22000	1300	17.7	3.6	5.1	1	2 x 17.0	11.0	1.1 + 1.1	0.75	2.2	0.55 x 3	
SPD 26500	1560	17.7	4.2	5.1	1	2 x 18.5	2 x 7.5	1.5 + 1.1	1.5	2.2	0.75 x 3	
SPD 30000	1760	19.3	4.2	5.3	2	2 x 18.5	2 x 9.0	1.5 + 1.5	1.5	4.0	0.75 x 3	
SPD 42000	2470	25.3	4.3	6.1	2	2 x 30.0	2 x 11.0	2.2 + 2.2	2.2	4.0	0.75 x 3	
SPD 63000	3710	34.6	4.6	7.8	3	2 x 45.0	2 x 18.5	2.2 + 2.2	3.0	4.0	0.75 x 3	

**Standard Specification - On all models base specification now includes:-**

- Full factory test running.
- Pre-wiring of motors, switches, and burners to a mounted junction box.
- Pre-plumbing of burners with filters and fusible link cut off valve.
- Roof and side sheeting above top bed with weather hatches on exhaust outlets.
- Automatic pressure jet oil burners - full range of temperatures without nozzle change.
- Control panel with mimic display and automatic moisture control.
- Air volume control for light products.
- Programmable crop follow on control.
- Proximity switches for auto shutdown.
- Two year warranty, provided client has a drier service by AB or authorized agent every 1000 hours of use.
- All driers are assumed to be full width discharge, for connection to belt or twin chain conveyor.

**Multi section drier** - SPD 30000 and above - delivered in 2 or more large sections. On multi section driers some pre-wiring involves plug/sockets (where sections are joined). Or wiring can be done on site.

**Evaporative Capacities** - are approximate, based on extensive user experience and assume ambient conditions of 20°C and 70% R.H. As with all driers performance is affected by crop conditions, variety and maturity.

**Warranty** - as defined in our Conditions of Sale (available on request), covers parts and labour performed only by our own staff except where dealers have been specifically authorized to assist. To qualify for second-year warranty a chargeable drier service every 1000 hours of operation by Alvan Blanch or authorized agent.

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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**AB BATCH ROTARY DRIER**

**AB** Two model range - four and eight tonne wet material capacities

**AB** Highly efficient with low energy consumption

**AB** A single machine can be supplied for a range of different uses

**AB** Can also act as a meal mixer -

to add other ingredients to the material after drying



**AB CONTINUOUS ROTARY DRIER**



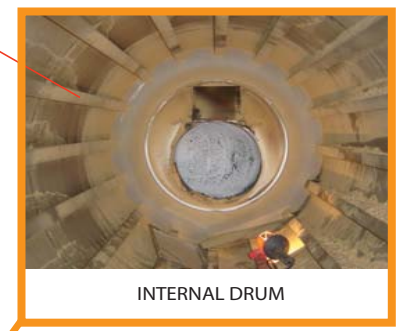
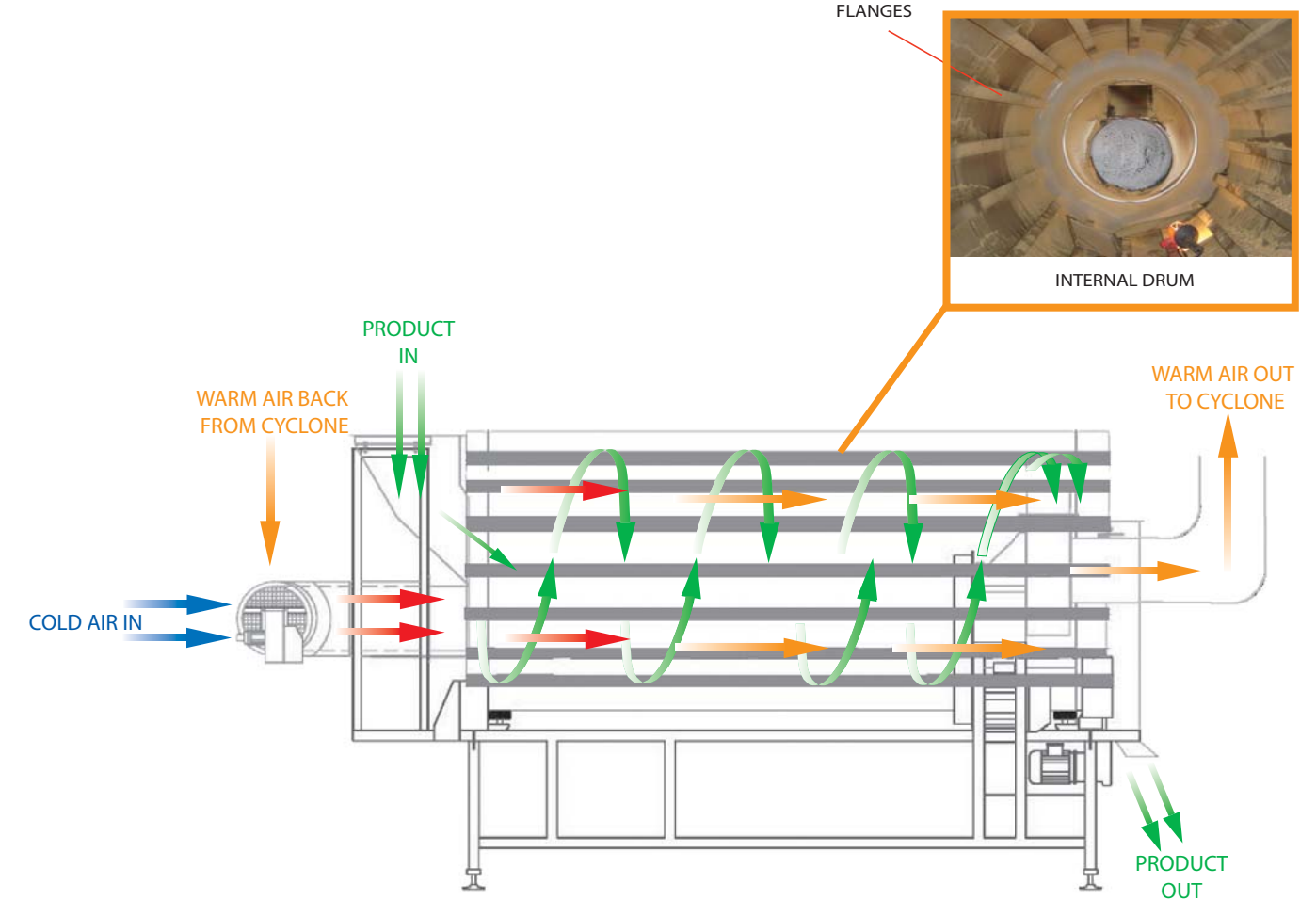
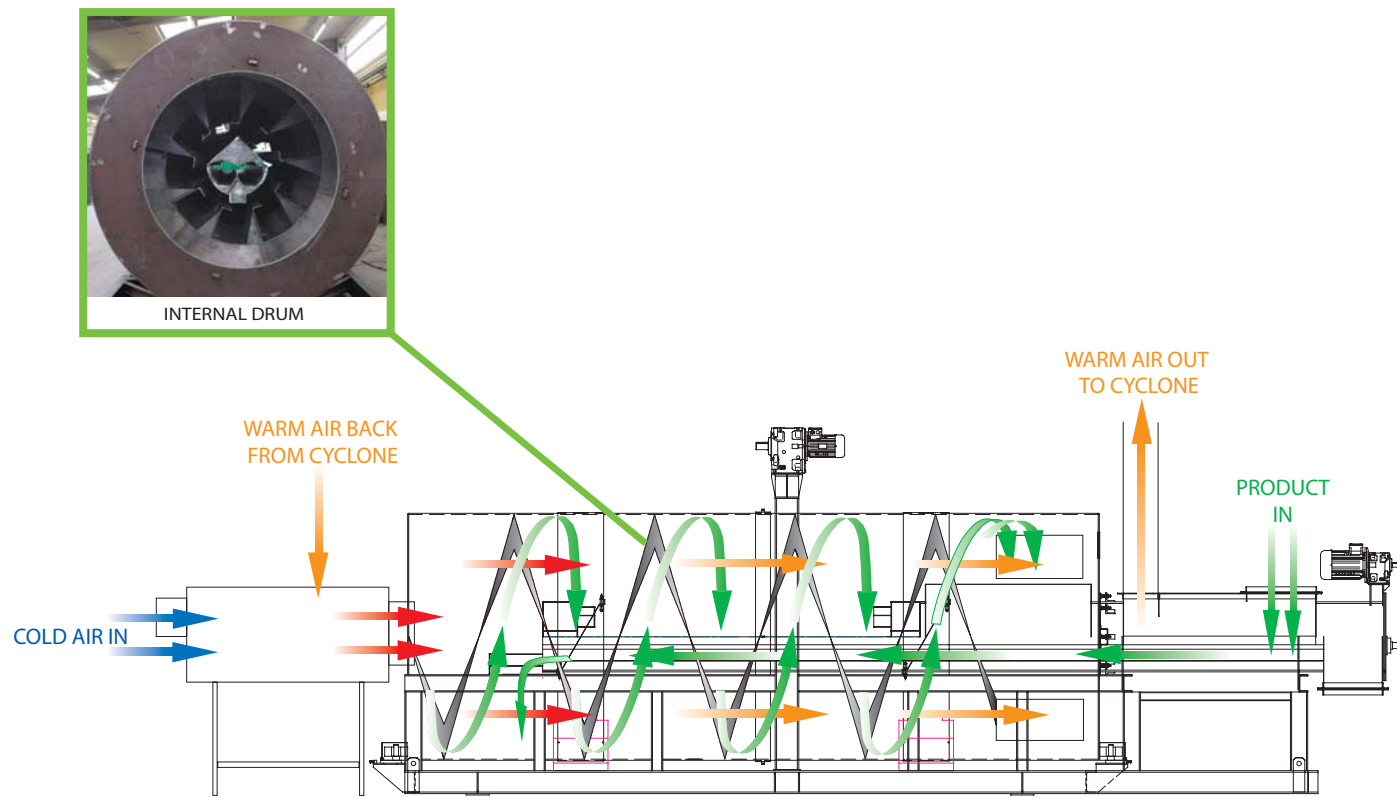
**AB** Optimum conservation of nutritional properties - again due to low temperatures used.

**AB** Containerized construction for ease of installation and reduced shipping costs

**AB** Almost odourless operation due to low temperature combustion

**AB** Convenient, automated operation but requiring only simple maintenance.

**A truly multipurpose drying system designed to convert agro waste into valuable protein or organic fertilizer with many other agro-industrial applications.**



Rotary waste drier used to dry sludge

## Environmental Impact

### Flexible planning solutions

The standard drier is low profile designed for part external installation or for complete internal or external installation. New drier installations can blend unobtrusively with existing building profiles, often overcoming very tight planning constraints.

### Low Noise

All fans are located inside main drier body - greatly reducing noise. Hot fan impellers are special low noise, aerofoil bladed, backward curved centrifugal type. Axial flow cold fans are fitted with silencers. All noise is generated at low level and so on particularly sensitive sites, sound barriers can be erected to create an even quieter installation.

### Emissions

A variety of dust and moisture control measures can be easily employed to ensure that emissions are below the necessary environmental legislation. Full moisture recovery is also available incorporating exhaust dehumidification.



## Heating Options - Full Temperature Control

Twin automatic pressure jet burners allow the complete range of possible drying temperatures to be obtained without changing nozzles, through the full range of ambient conditions.

Can be fuelled by diesel, gas, heavy oil or multi-fuel options. Can be easily linked to fired furnaces, heat exchangers, incorporating high or low grade heat from CHP systems.

## Highly Efficient, Uniquely Versatile

### Improved Fuel Consumption - thanks to air recirculation

The uncompacted drying bed encourages moisture release and warm exhaust air from the final cooling section is recirculated to hot fans, improving fuel consumption by up to 15% - important as fuel costs account for over 80% of energy costs on all continuous drying systems.

### Highly Efficient

Multiple fans - Multiple fans can be employed so that when combined with air recirculation drying efficiencies can be optimised.