

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 9,000m² 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
- Barley
- Borage
- Bread Crumbs
- Chilli Peppers
- Cocoa Beans
- Coffee Beans
- Compost
- Cotton Seed
- Evening Primrose
- Glass
- Grass
- Grass Seed
- Herbs
- Limestone
- Linseed
- Maize
- Malted Sorghum
- Oats
- Paper
- Peas and Beans
- Pellets
- Plastics
- Poppy Seeds
- Potato Peelings
- Pyrethrum
- Rape Seed
- Rice
- Saw Dust
- Seaweed
- Soya Beans
- Straw
- Sugar Beet Pulp
- Sunflower
- Wheat
- Wood Shavings

SPECIFICATIONS

Model	Approximate Evaporative Capacity at air temp 90°C Kgs/hr	Overall Body Dimensions			No of Sections	Top Bed Hot Fans	Bottom Bed Hot Fans	Burners	Trace Drive	Main Leveling Spinner	Agitators + Number
		Length	Width	Roof Height							
		m				kW					
SPD 13750	800	15.1	3.0	4.7	1	2 x 7.5	2 x 5.5	0.37 + 0.37	1.1	1.5	0.55 x 3
SPD 17750	1050	15.1	3.6	4.7	1	2 x 9.0	2 x 7.5	1.1 + 0.55	1.1	1.5	0.55 x 3
SPD 22000	1300	17.7	3.6	5.1	1	2 x 11.0	2 x 7.5	1.1 + 1.1	1.5	2.2	0.55 x 3
SPD 26500	1560	17.7	4.2	5.1	1	2 x 11.0	2 x 7.5	1.5 + 1.1	2.2	2.2	0.55 x 3
SPD 30000	1760	19.3	4.2	5.3	3	2 x 18.5	2 x 11.0	1.5 + 1.5	2.2	4.0	0.55 x 3
SPD 42000	2470	25.3	4.3	6.1	3	2 x 22.0	2 x 11.0	2.2 + 2.2	4.0	4.0	0.55 x 3
SPD 52500	3080				3	2 x 22.0	2 x 18.5	2.2 + 2.2	5.5	4.0	1.1 x 5
SPD 63000	3710	34.6	4.6	7.8	3	2 x 37.0	2 x 22.0	2.2 + 2.2	7.5	4.0	1.1 x 5

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)

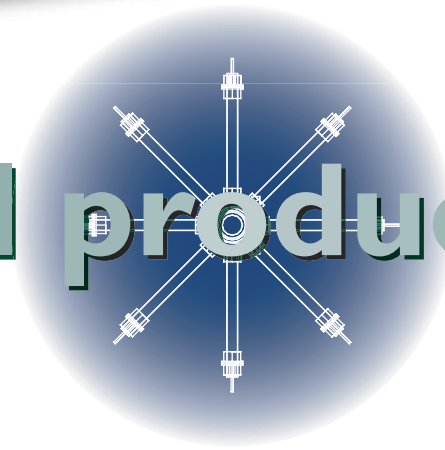


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AB special products drier



Uniquely versatile - handles virtually any material in any condition

Low temperature system - preserves colour/quality & reduces fire risk

Fuel efficient - with recovery of unsaturated exhaust air from final section, compatibility with CHP systems

Inbuilt reliability - backed by 2-year warranty and nationwide support

Precise flow consistency - mechanical flow via inverter speed controller

Low installation cost - delivered in one, two or three main sections

Minimal environmental impact - low profile, low noise, dust controlled

A unique continuous flow conveyor type drying system - for a very wide range of commodities.

Choice of 10 models - capacities from 500 to 4,000kg/hr water evaporation.

Full Controllability as Standard

Adjustable Bed Depth Control

A unique feature of the Special Products Drier is that bed depth can be varied to get the best results from every material (e.g. reduced depth for dense or very wet products, or increased depth for light products) - making optimum use of the available airflow.

Air Control - for light materials

Light products do not risk being lost in the exhaust air stream because the air volume can be restricted, keeping dust emissions to a minimum.

Safety control - for unsupervised operation

Automated, planned, fail safe shutdown of the drier is provided via a choice of control systems which are relay logic or PLC with MMI. Remote telemetry package, data recording and processing also available.

AB special products drier

Quick to Install, Long to Last

Pre-erected/Pre-wired/Pre-plumbed - for fast installation

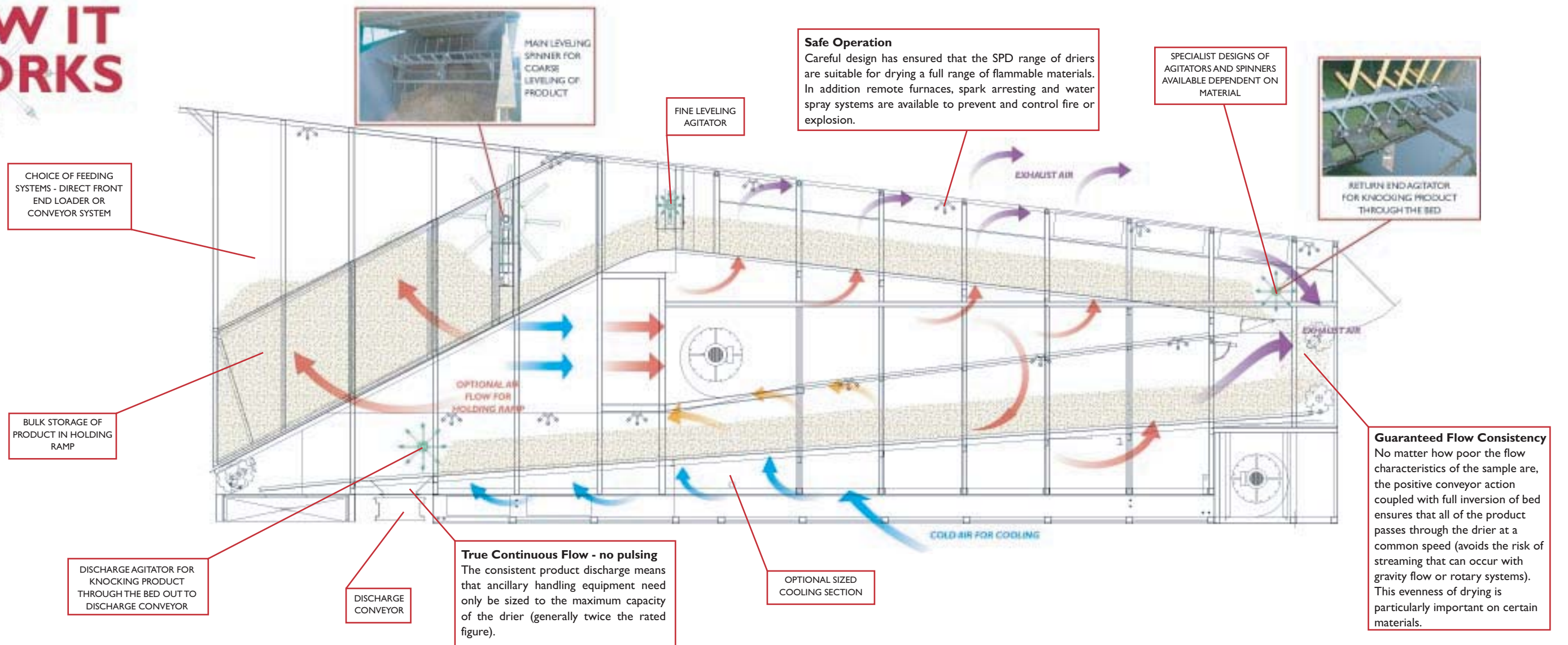
Models up to the SPD 26500 can be delivered in one piece, with just the feed hopper, roof sheets, remote furnace (if required) and gearbox to be fitted on site. Even the burner assembly is pre-plumbed with filter and furnace link cut off valve - leaving connection of air or gas supply on site.

All motors and switches are pre-wired to a junction box. Burners and drives are factory test run.



Main section of SPD 42000 Drier - lifted from truck to final position

HOW IT WORKS



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.