



Rotary Vacuum Dryer





RVD (size 12 m³) manufactured and exported as per PED, CE marked

Dalal Rotary Vacuum Dryer offers clean, simple and effective method of drying filtered/centrifuged wet cakes, wet powders and slurries. Operating under vacuum, the dryer effectively dries heat sensitive materials to very low LOD levels. Solvents are condensed and recovered. Operation is batch and drying time depends on material being dried, amount of solvent or water to be removed, desired LOD level, permissible jacket temperature, etc.

Larger sizes available on request.

Optionals

- Shaft sealing by mechanical seal
- Dust filter (a) Standard bag type (b) Self cleaning pulse jet type
- Internal polishing
- Pneumatically operated bottom discharge valve or actuated ball valve



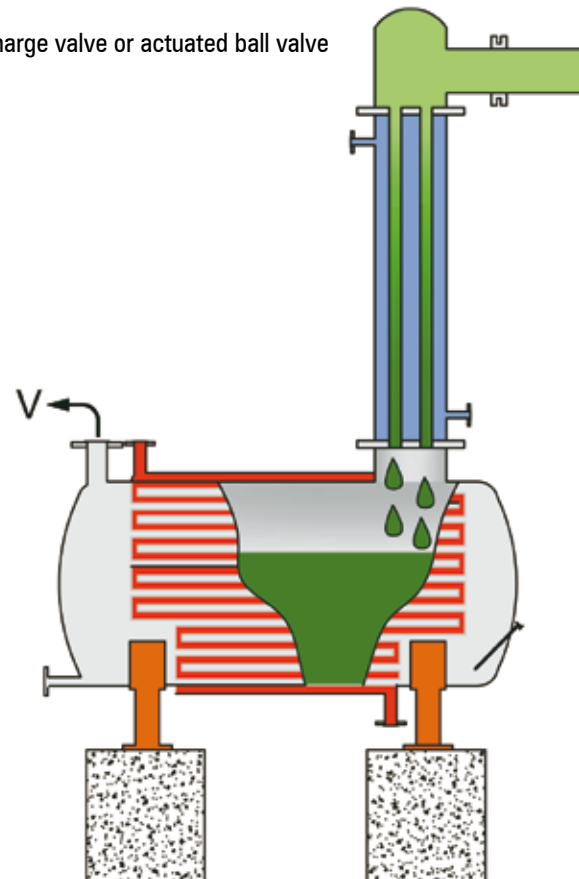
Dryer body being machined



Rotor / Agitator



Flush bottom discharge valve



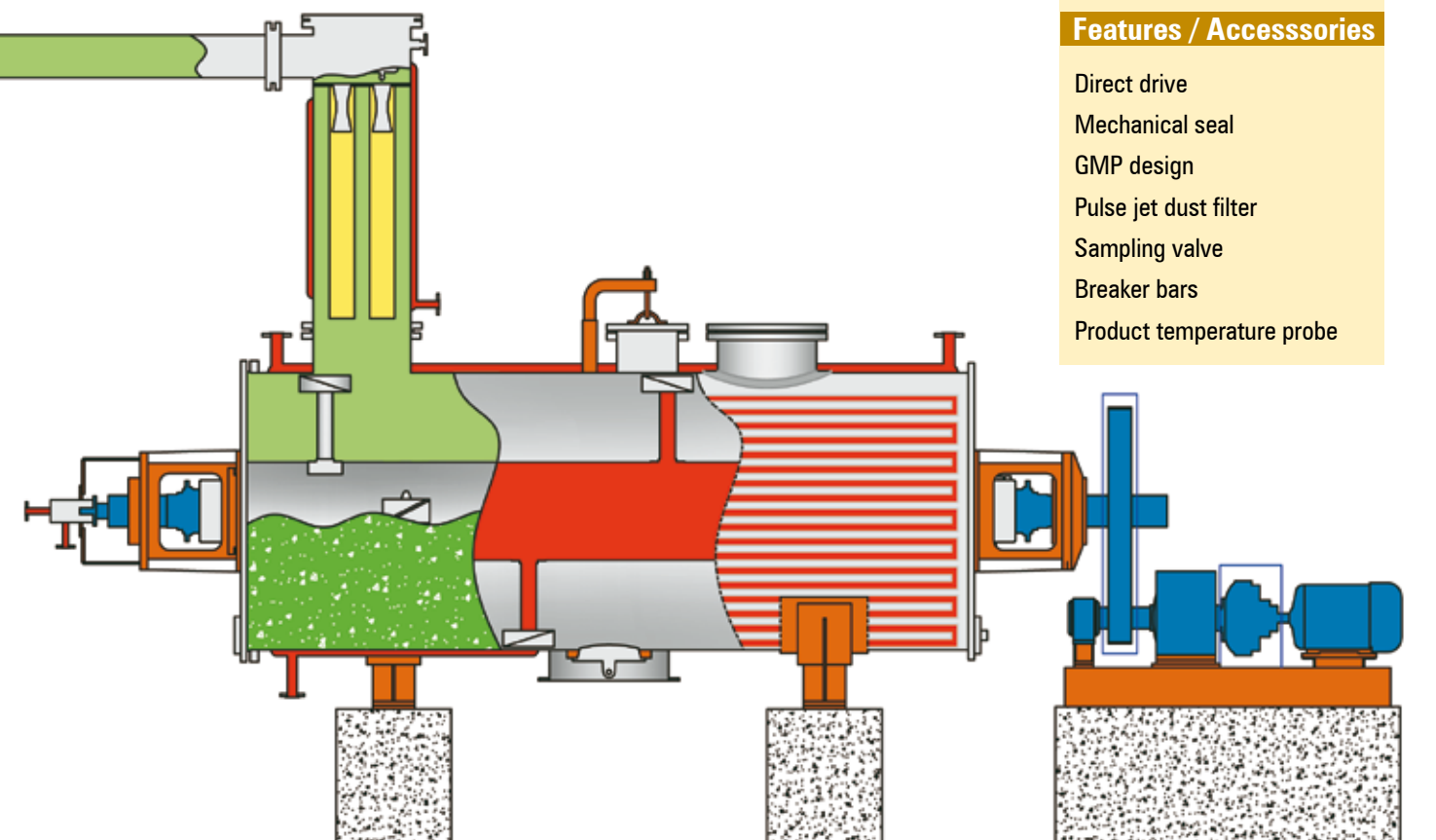
How it works

Rotary vacuum dryer is a horizontal cylindrical jacketed shell with hollow agitator, rotating in close clearance. A batch operation, drying is done under vacuum, heating is through jacket. The dryer offers a simple but effective method of drying wet cakes and sometimes slurries. Due to vacuum and agitation, it is possible to dry heat sensitive materials.

Advantages

- Uniform drying
- Short cycle time
- No degradation due to over-exposure, more temperature and time
- Automated discharge, ease of handling, with condenser and receiver, recovery of solvents

Gross Volume	Loading Volume	Approx Dimensions (MM)		
		W	L	H
100	40	485	1850	1430
250	100	535	2600	1270
500	280	700	2800	1420
1000	400	800	4000	1675
1500	600	1000	3800	1875
2000	800	1100	4100	1975
2500	1000	1100	4700	1975
3000	1200	1330	4100	2200
4000	1600	1330	5000	2370
5000	2000	1520	4800	2550
6000	2400	1520	5500	2550
9000	3600	1750	5450	4660
12000	4800	1875	7700	3590



Features / Accessories

- Direct drive
- Mechanical seal
- GMP design
- Pulse jet dust filter
- Sampling valve
- Breaker bars
- Product temperature probe



Clients

- Ciba
- Comber
- Gharda
- Mazda
- Pesticides India
- Syngenta
- UPL
- Zydus

Dalal Engineering traces its roots back more than 50 years, when it set up a unit strategically located at Thane on the outskirts of Mumbai, India, for manufacture of stainless steel equipment. Today, five decades later, the scope of activities of Dalal Engineering has expanded to include operations that cover a diverse range of industrial applications.

It has internationally benchmarked facilities for designing, manufacturing and testing equipment. Continuous technical upgradation at its testing centre is what keeps Dalal ahead of others. Indigenous R&D efforts and technology transfers from some of the world's leading manufacturers is an on-going process in Dalal. Naturally, quality is the single most important differentiator that sets equipment from Dalal Engineering in a class apart. This inherent attribute is the result of a meticulous multi-stage quality assurance program that covers all levels of its manufacturing.

The oldest division of Dalal is the Chemicals Division. The products in the Chemical Division range from Rotary Vacuum Dryers to Wiped Film Evaporators and then to Solvent Recovery Plants. Apart from this, Dalal Engineering is a lead player in HTHP Dyeing and drying plants, Finishing and Polishing machines.



DALAL ENGINEERING PVT. LTD.

Registered Office

36/37, Jolly Maker Chambers II, Nariman Point, Mumbai 400 021, India

Tel 91 22 2202 4046, 2285 0516 Fax 91 22 2202 9278

E-mail deplmum@vsnl.com Website www.dalalengineering.com

Works

Kavesar, Thane-Ghodbunder Road, Thane 400 607, Maharashtra, India

Tel 91 22 2597 6201 - 04 Fax 91 22 2597 6207

E-mail sales@dalalengineering.com, dalalfac@vsnl.com