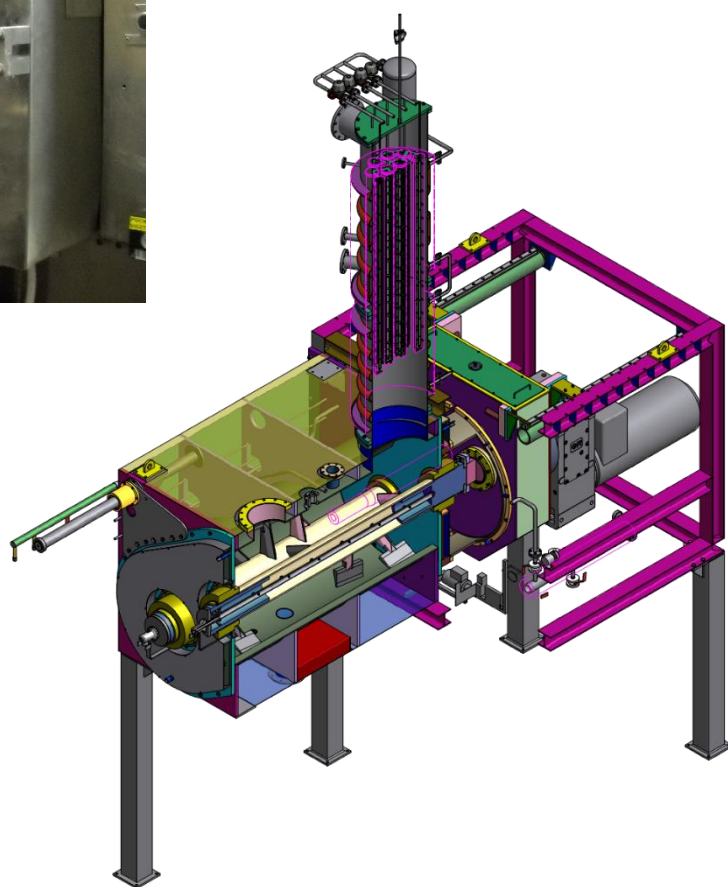


Vacuum Paddle Dryers



EfCI vacuum paddle dryers integrate numerous specific details which make them more efficient than most dryers on the market. Our range of products separates into two families: the single shaft vacuum paddle dryer and the two shafts vacuum paddle dryer. Both product families are available in batch or continuous type.

Our paddle dryers are particularly advanced because we have been developing and improving them since the creation of the company. Many small constant innovations ensure an excellent drying while having no waste of product and an outstanding reliability and safety.

We have developed many different possibilities to equip our dryers on every size possible: automated control, sample devices, advanced cleaning system, specific temperature gauges, specific vessel, etc...

Whatever your product, we are sure to have an adapted vacuum dryer for you.

Vacuum Paddle Dryers

The aim of vacuum paddle dryers is to intensively mix and dry the product using paddles positioned along a shaft. The target is to maximize the contact between the heated surfaces (vessel, shafts, paddles) and the product.

EfCI vacuum dryers are composed of several main parts:

- Front and rear doors
- The vessel body
- The shaft(s)
- The motor and driving system
- The chassis



The body and doors are heated by steam or any other fluid circulating in half-coil circuit.

The inside of our vessels are equipped with a CIP cleaning nozzles hidden inside specific cavities leaving no un-scrapped surface.

Depending on the quality wanted and the product to be processed, EfCI proposes several types of alloys (304, 316L, Alloy C22, ...)



The carefully engineered design allows:

- Easy maintenance due to the possibility to completely extract the shaft in the gray zone
- Easy access thanks to a specific door opening system
- Completely clean open surface below thanks to its cantilever design



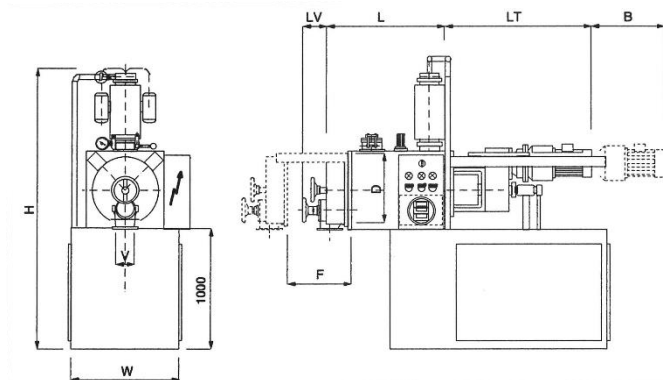
Among other specificities, EfCI has designed some equipment which make the difference:

- Fines filters
- Vacuum systems
- Steam system
- Sample valves
- Temperature gauge
- Mechanical seals

Thanks to our design office and our experience, these equipment were designed to match very high expectations and are second to none in terms of quality.

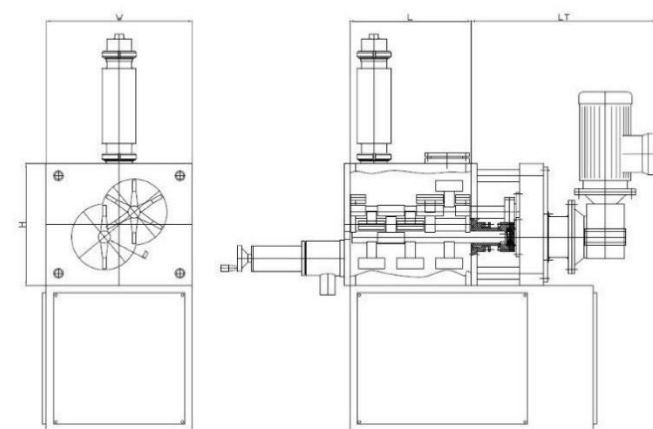
Vacuum Paddle Dryers

Single shaft vacuum paddle dryer (Batch)



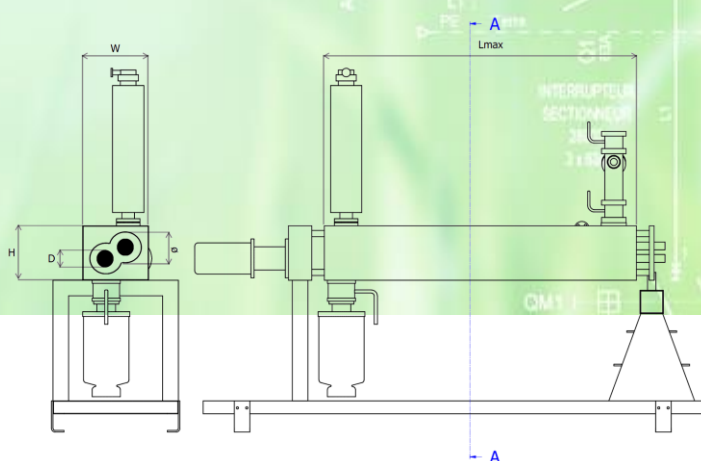
Type	L	W	H	D	LT	Vol. (l)
100	590	900	2470	550	950	130
250	810	900	2470	630	950	270
400	820	1000	2750	790	1200	400
630	1000	1125	2880	950	1200	630
1000	1100	1260	3000	1090	1450	890
1600	1310	1500	3500	1250	1450	1400
2500	1400	1750	3700	1520	2200	2200
4000	1450	2000	4900	1860	2400	3500
6000	2200	2000	4900	1860	2400	5500
8000	3000	2000	4900	1860	2400	7500

Double shaft vacuum paddle dryer – Birotor (Batch)



Type	L	W	H	D	LT	Vol. (l)
200	400	450	350	70	800	25
270	500	550	500	70	800	50
600	1000	1100	1000	150	1150	400
700	1000	1250	1150	150	1150	550
800	1000	1500	1300	150	1150	680
900	1000	1500	1300	200	1300	850
900	1500	1500	1300	200	1300	1275
1000	1000	1800	1600	200	1500	1050
1000	1500	1800	1600	200	1500	1500
1100	1000	2000	1800	300	1500	1120
1100	1500	2000	1800	300	1500	1700
1250	1000	2300	2100	300	1500	2000
1250	1500	2300	2100	300	1500	3000
1250	2000	2300	2100	390	2000	4000
1250	2640	2570	2360	390	2700	7250

Double shaft vacuum paddle dryer – Birotor (Continuous)



Type	H (mm)	Lmax (mm)	W (mm)	D (mm)	Area (m²)	Work Vol (L)
200	350	2 000	420	70	5	80
300	500	2 500	550	90	11	240
400	680	3 000	770	110	22	520
500	820	3 500	920	110	32	1 000
600	950	5 000	1 080	150	49	1 900
700	1 080	5 000	1 230	150	62	2 700
800	1 220	6 000	1 390	200	110	4 100
900	1 360	6 000	1 540	200	120	5 100
1 000	1 550	8 000	1 770	200	170	8 400
1 100	1 680	9 000	1 920	300	230	10 100
1 250	1 870	8 000	2 170	390	220	16 600
1 500	2 355	10 000	2 670	390	280	23 850

Our motto: “Never let a customer down!”

We aim at always providing the best solutions to our customers in a responsible partnership relation.

EfCI is a reliable partner:

- 40 years of experience in designing and manufacturing process equipment for the pharmaceutical, the fine chemical and food industries
- Over 6000 machines sold, some still at work since more than 25 years
- All key parts manufactured internally, rigorous selection of bought equipment
- The most important regulations: AD-2000 Merkblätter, ASME, BS, Codap, SVTI
- ISO 9001 certified (Lloyds' Register Quality Assurance)

EfCI is a flexible partner:

- Flexibility to adapt tailor made solutions to best fit client's needs
- Turnkey solutions, including vacuum unit, heating system, PLC hard and software, etc...
- Customer assistance before, during and after sales

EfCI is a performant partner:

- Excellent quality / price ratio, due to a well organized structure
- Robust constructions, low maintenance costs, high operability rates
- Advanced innovative technology for productions under FDA approval and European standards

EfCI has other products which can improve your production. Do not hesitate to contact us or consult our website for more:

www.efci-global.com

EUROPE

Equipment for Chemical Industries (EfCI)

Email: europe@efci-global.com

Tel.: +33 561 985 188

Address: Route de Cazères,
31430 Le Fousseret, France

CHINA

Equipment for Chemical Industries (EfCI)

Email: china@efci-global.com

Tel.: +86 21 6726 1289

Address: Rm. 703, No. 45, FORTE JINSHIWAN, Lane
900, Haili Road, Shanghai, 201508, China