



Pan Dryers

Field-proven and reliable:
the Filter/Dryer design.

Heated agitator
with adjustable speed.

The pan dryer is based on the well established and proven Filter/Dryer technology; here, however, the porous filter bottom is replaced with a heated flat bottom.

The simple change in the design of the heated flat bottom enlarges the heating area considerably. The agitator of the pan dryer is also normally heated and is equipped with speed control. Many elements such as the metallicly sealed side discharge valve have been taken from the proven Filter/Dryer range.

Fast agitator
replaces the chopper.

The top driven pan dryer (alternatively with bottom drive as well) relies on rotational velocity. A particularly fast agitator with a circumferential speed of up to 3 m/s (spherical dryer only around 1.5 m/s) ensures optimum mixing. The lifting and lowering agitator also provides mixing on the vertical axis. At the same time, the minimal agitator to wall clearance keeps the wall free from product crust. The rotational high speed of the agitator combined with its vertical translation does not require the use of a chopper.

Slide ring seal
without product contact.

As with the spherical dryer, the mechanical seal of the pan dryer is also advantageously located outside of the product area. Depending on the application, it can either be lubricated with gas or liquid. The axial motion of the agitator is sealed by metal bellows, as with the Filter/Dryer.



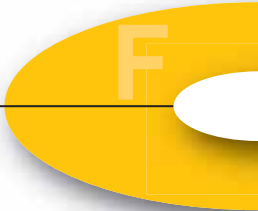
Rosenmund Pan Dryer



Rosenmund Pan Dryer
Final assembly



Rosenmund Pan Dryer
Final assembly



Easy internal inspection.

Inspection is easily possible when the pan bottom is lowered, as with the spherical dryer. In the case of frequent cleaning and opening cycles, the pan dryer is also ideally equipped with a time-saving main flange bayonet quick-lock fitting instead of C-clamps.



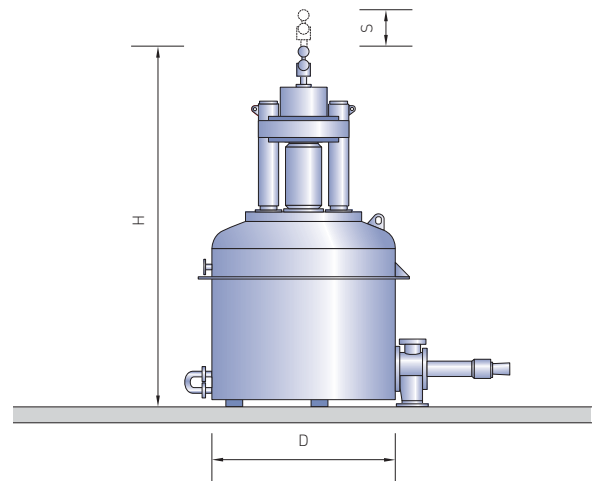
Rosenmund Pan Dryer, Final assembly

Important advantages at a glance:

- Proven Filter/Dryer technology.
- Agitator speed-controlled and heated.
- Fast cleaning (CIP/WIP and SIP).
- Simple emptying.
- Short drying times.
- Easy to inspect.



Rosenmund Pan Dryer agitator



Nominal volume l	Used volume l	Drive power kW	Empty weight approx. kg	Container D mm	H mm	S mm
100	100	6	1500	550	2350	250
200	200	8,8	2500	750	2500	300
400	400	12	3000	900	2500	300
1000	1000	15	3500	1200	3750	500
1600	1600	16	4500	1400	4400	600
2300	2300	23	5000	1600	4400	600
3000	3000	29	6000	1800	4400	600
3700	3700	35	8000	2000	4400	600
5000	5000	43	9000	2300	4500	600
6000	6000	59	10000	2500	5000	600
7500	7500	70	12000	2800	5000	600