



separation technology

THE RoLab FILTER

by  ROSENMUND

OVERVIEW

The RoLab Filter is an easy to operate and highly portable nutsche filter designed for the filtration and drying of small pharmaceutical and chemical batches. It is a cost effective, manual solution for both laboratory and production environments that provides all the process functionality of the traditional ROSENMUND filters at a fraction of the cost.

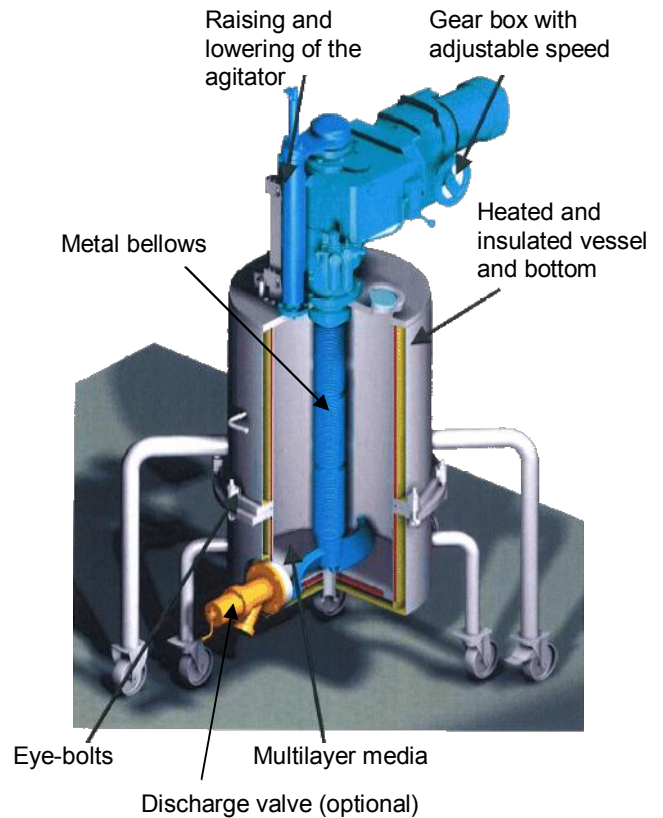
FEATURES

▪ **Multi-purpose application** – Process functions include:

- Filling
- Filtration under pressure
- Washing of the filter cake
- Smoothing of the filter cake
- Convective drying (nitrogen blow through) of the filter cake
- Vacuum drying of the filter cake
- Heating and cooling
- Discharging of the filter cake

▪ **Pharmaceutical design** – The RoLab is suitable for CIP and WIP and performs full filtration and drying processes according to cGMP and FDA standards. The vessel uses no hydraulics; thus, avoiding complicated installations and maintenance. The lower bowl assembly can simply be wheeled out from underneath the upper part to allow for easy cleaning between batches.

▪ **Easy installation** – With only five connections required for set up (460VAC, pressure/vacuum, nitrogen, slurry inlet, heating/cooling utilities), the RoLab's basic installation is easy to perform. Its compact design can be installed in very small areas.



RoLab 0.03m²



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RoLab Size Range

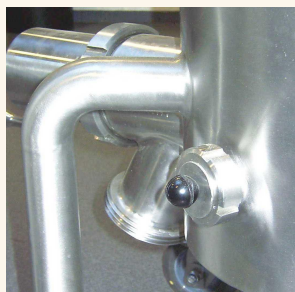
Filtration Area		Slurry Volume		Cake Volume		Vessel Diameter	
(m ²)	(ft ²)	(Liters)	(Gallons)	(Liters)	(Gallons)	(mm)	(in)
0.03	0.3	34	8.9	7	1.9	195	7.6
0.06	0.6	42	11.1	14	3.7	265	10.5
0.1	1.1	64	16.9	24	6.3	353	13.9
0.2	2.2	189	49.9	68	18	538	21.2
0.3	3.2	252	66.6	89	23.5	618	24.3
0.4	4.3	364	96.2	128	33.8	738	29



Side discharge valve



S-blade agitator



Sampling

MATERIALS

- Available in (316L) stainless steel or Alloy C22

PRESSURE RATINGS

- 90 psig/FV internal pressure
- 90 psig/FV jacket pressure
- ASME Section VIII

AVAILABLE OPTIONS

- Side discharge opening with:
 - PAD flange
 - Valve with o-ring seals
 - Valve with metal-metal seals
- Heated agitator > 0.2m²
- Sampling valve
- Vessel light
- Dust filter
- Double mechanical seal
- Electric motor
- Tachometer
- Process valves



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