

SWECO®

PHARMASEP™

FILTER / DRYER

THE MOST VERSATILE LAB EQUIPMENT IN THE INDUSTRY

Sweco® PH06 & PH12 PharmASep™ Filter Dryers, capable of processing up to 1 KG of product in an aseptic environment, are a lab friendly design capable of the complete flexibility that today's R&D laboratories require.

These processors allow filtration, washing, and vacuum drying all in one aseptic environment. Sweco's patented vibratory action allows for efficient fluid separation at extremely low differential pressures, afterward fluidizing the bed to allow for complete vacuum drying under very low vapor pressures.

The sanitary design of these filter dryers allows for either complete disassembly or CIP with SIP possible due to the 2 bar pressure rated process chamber.

Another Sweco innovation that separates us from the rest.



PH06 PharmASep

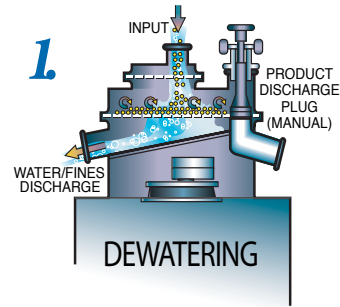


PH12 PharmASep

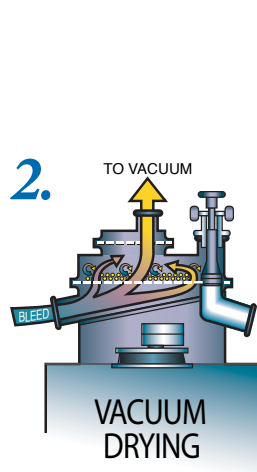


We Put Technology In Motion™
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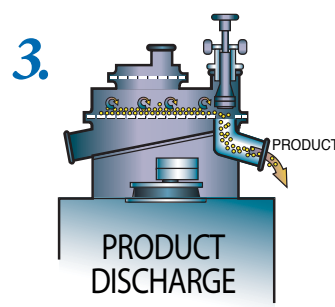
Less Handling Complete Containment



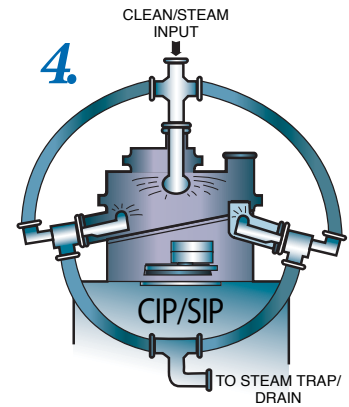
1.
DEWATERING
 RESIDENCE TIME IS MAINTAINED
 ON THE SCREEN TO FACILITATE
 REPRODUCIBILITY AND
 IMPROVE YIELD.



2.
VACUUM DRYING
 VACUUM DRYING OF PRODUCT
 WITHOUT ADDITIONAL
 HANDLING.



3.
PRODUCT DISCHARGE
 NO OBSTRUCTIONS TO
 PRODUCT DISCHARGE.



4.
CIP/SIP
 NO-GAP DESIGN ALLOWS FULL
 CIP / SIP CAPABILITY.

WET FILTRATION

For batch operation, the spout plug is closed to contain the product on the screen surface. (1) Product is introduced to the top screen for scalping of any large, oversized particles or agglomerates. The product then flows to the second product screen where the patented Sweco Vibro-Energy® motion spreads the product across the screen surface in a helical pattern to promote dewatering. At the completion of dewatering, (2) purge air and vacuum are introduced to fully dry the product on the screen while the Vibro-Energy motion continues to gently tumble the product, exposing greater surface area to promote faster drying. (3) Finally, the plug is opened and the fully dried product is discharged for packaging or further processing.

TECHNICAL DATA	PH06	PH12
Solids Capacity	0.75 Liter	3.75 Liter
Pressure Capability	2 Bar + Full Vacuum	2 Bar + Full Vacuum
Construction		
Wetted Parts	316L SS	316L SS
Screens	316L SS	316L SS
Exterior	316L SS & 304 SS	316L SS & 304 SS
Dimensions (H x L x D)	730mm x 838mm x 488mm	1220mm x 1212mm x 597mm
Weight	102 Kg	268 Kg
Power	110 VAC, 1 Ph, 60 Htz	110 VAC, 1 Ph, 60 Htz

PharmASep

Production Models

Sweco also offers several sizes of production model PharmASeps to fit your application needs.

Model	Capacity
PH22	12.5 Liter
PH30	23.0 Liter
PH46	55.0 Liter

Sweco, Sweco and logo, PharmASep, Vibro-Energy, and We Put Technology In Motion are trademarks and registered trademarks of M-I L.L.C..

The PharmASep is covered by one or more of the following patents:
 #5,134,893, #5,032,210 and #5,456,365. Additional patents pending.



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