

SWECO®

PHARMASEP™ LAB FILTER/DRYER WITH VIBRO-DRY™ TECHNOLOGY THE MOST VERSATILE LAB SEPARATOR/DRYER AVAILABLE

The PharmaSep™ 300mm (12") Lab Filter/Dryer allows batch processing up to 1kg in size. The no-gap design and sealed environment allow for extremely high-yield product recovery and safe handling of highly potent pharmaceuticals. The unique (patent pending) Vibro-Dry™ technology developed by Sweco allows vacuum drying to occur within the PharmaSep while the product is gently tumbled on the screen surface, accelerating drying and reducing formation of agglomerates.



VALIDATABLE CIP/SIP CAPABILITY
VACUUM DRY PRODUCT ON-SCREEN
CLASS 100 CLEAN ROOM DESIGN
MANUFACTURED TO cGMP STANDARDS
30 PSI VESSEL DESIGN



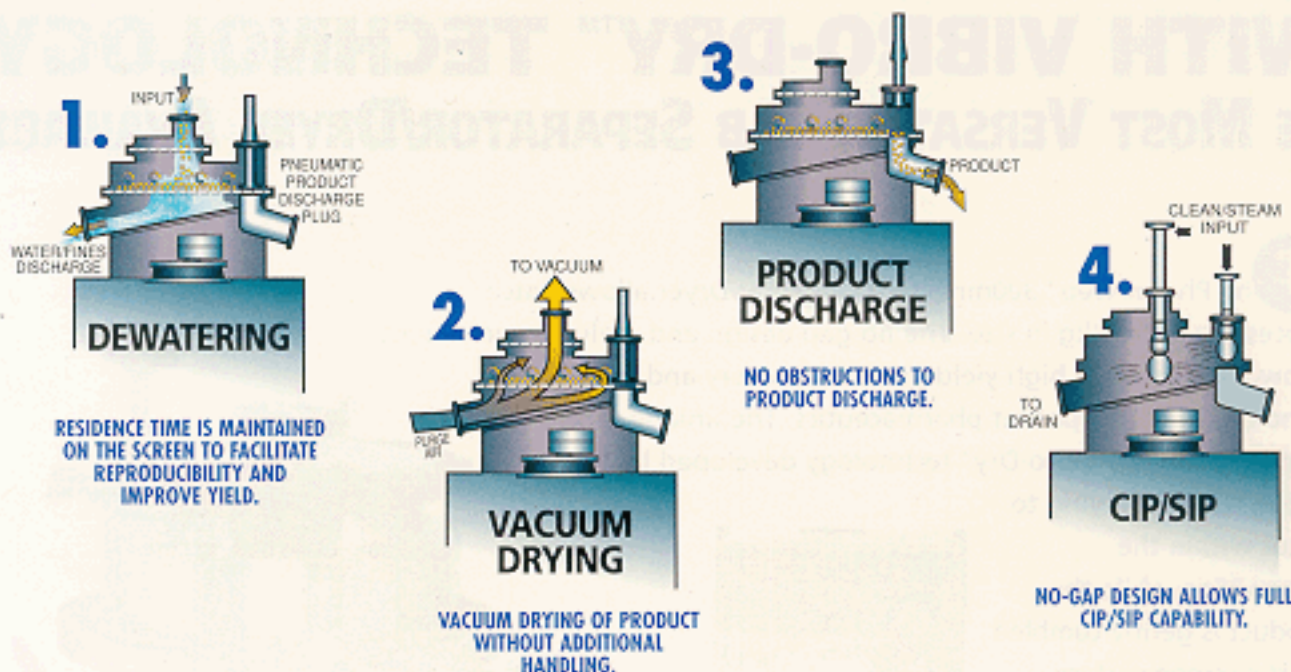
FULLY SCALABLE TO PILOT PLANT
AND PRODUCTION SIZES

We Put Technology In Motion™

www.sweco.com

Shown with Adjust-A-Vibe™ motion controller

Less Handling. Complete Containment.



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.

Dry Powder Classification

Dry powder is introduced to the top screen, removing any oversized particles. Remaining product then falls to the product screen to be dedusted. The optional product discharge plug can be used to control residence time of the product on the screen for more precise and efficient sizing in batch and semi-continuous operations. The no-gap design and controlled retention time result in improved yields. Following product discharge, (4) optional CIP/SIP nozzles and connecting hoses may be installed for cleaning and sterilization.

TECHNICAL DATA

| | |
|----------------------------|--------------------------------------|
| Motor | 1/3 HP Explosion proof |
| Construction | |
| Wetted Parts | 316L SS |
| Screens | 316L SS and Supertaut® Plus adhesive |
| Exterior | 316L and 304 SS |
| Screen Size (nominal) | |
| Top | 150mm (6") diameter |
| Bottom | 300mm (12") diameter |
| Basic Dimensions (nominal) | |
| Height | 800mm (30") |
| Footprint | 450mm (18") diameter |

OPTIONS

- CIP/SIP nozzles and hoses for cleaning and sterilizing
- Vibro-Dry technology and construction
- Pneumatic product discharge plug for batch processing
- Electropolishing and other finishes
- Motion Control Analyzer
- Full line of PharmaScreens to suit your process
- Cooling jacket for sensitive materials
- Temperature/Level/Humidity probes for monitoring

