

Give your Lyophilizer A New Lease On Life...Renew it with Hull's LyoRenewal Program!

Tell us what you need...

Upgraded Control Features...

We can retrofit your unit with our Maestro or LyoLink Control Systems with 21 CFR 11 compliance and remote monitoring capabilities. If you don't require 21 CFR 11 compliance, upgrade to our Encore Controller.

Refrigeration System Upgrade...

- Redundant Compressor Skids
- Conversion of Mechanical Refrigeration to LN2
- LN2 backup systems
- Convert Direct Expansion Condenser to Fluid System

Component Upgrades...

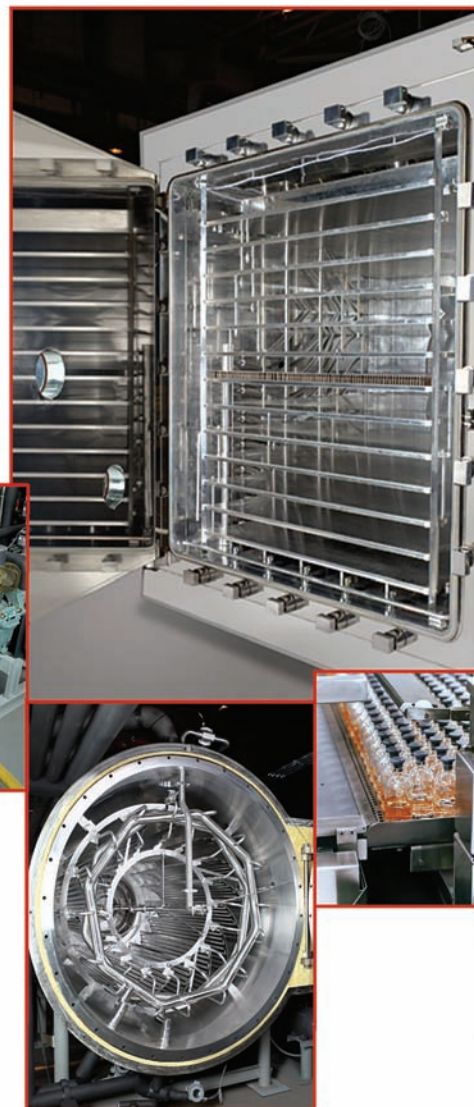
- Add Steam In Place (SIP) and Clean In Place (CIP) piping and valving
- Upgrade to a Hy-Pro Condensator
- Add SMART COOL for better control and efficiency
- Upgrade to the Hull Patented Rotary Disk Valves to replace butterfly or poppet valves

All this and more...

- Equipment Brokering Services
- Audits - Inspections and Appraisals
- Consignment Warehousing
- Purchasing of Excess Equipment
- IQ/OQ and FAT documentation
- Complete Quality Assurance - System Integration Testing Package (SIT)
- Full warranty on all new parts
- Trade-Ins

SP Industries provides an unparalleled service of updating, repairing, refurbishing, and retrofitting previously owned lyophilization systems. Give new life to your old system by incorporating performance capabilities found on newer systems.

Lyophilization is our business. SP Industries manufactures Hull, VirTis, and FTS freeze drying systems from laboratory scale through pilot and production scale. Our Hull brand lyo-renewal program allows us to offer you the features you've always wanted in your freeze dryer, without having to purchase a new one.



Contact Us Today To Schedule a Pre-Audit Review...

Phone: 215.672.7800 or 800.523.2327

Email: hullinfo@SPindustries.com

An SP Industries Brand

Pre-Audit Equipment Review

Tell us more about the Lyophilization equipment you want to upgrade...
Complete electronically, save, and email to hullinfo@SPindustries.com
or print, complete, and Fax to 215.672.7807

Manufacturer: _____ Year Built: _____ S/N: _____

Model: _____ Chamber Size: _____

Chamber Material: _____ Condenser Material: _____

Chamber Configuration: Single Door Pass-thru Sub-Door

Pressure Rating: _____

Condenser Configuration: Internal External Plate

Tube DX Fluid

Pressure Rating: _____

Bulk or Stoppering

Shelf Size: _____ Quantity: _____ Material: _____

Equipment Condition: Excellent Good Fair Poor

Operational Out of Service

Types of Product Processed: _____

When is Equipment Available? _____

Removal/Egress Issues: _____

Has Equipment been Sterilized ? Yes No Sanitized ? Yes No

Name: _____

Company: _____ Location: _____

Phone: _____ Email: _____



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800.523.2327

www.SPindustries.com

VirTis

Genevac

Wilmad | LabGlass

FTS

Hotpack