

Questionnaire for API/Intermediate bulk material Freeze dryer|Lyophilizer

Thanks a lot for your time to fill this table, more information share in this table will be helpful for Lyomac team to provide better proposal.

Lyomac will keep all information as confidential and would not disclose to any other third party without your agreement.

Lyomac welcome you share more information to us : sales@lyomac.com

Questionnaire List (For Pharmaceutical and Biological)

1. YOUR CONTACT INFORMATION

Name

Title

E-mail

Phone

Department

Company Name

Company Address

Company website

2.Liquid information

Product name to be
freeze dried

Main material/
ingredient in product

Batch Volume to be
dried (Liters)

Are any organic
solvents (alcohols,
Acetic acid,etc,)

Yes

If Yes, Name of
solvent

Percentage of
solvent(%)

If use auto loading system for liquid , please check the type needed

Bulk liquid filling/
loading measure

All by manual, operator fill and load tray to shelves.
Auto fill to tray and auto push/pull tray to freeze
dryer.
Auto fill liquid to shelf, and unload manually.
All auto for filling and unloading from shelf design.
Other

Auto loader Optional
systems

Barrier with O-Rabs
Barrier with C-Rabs
Barrier with Isolator
Particle counter
Recommended by Lyomac standard design
Other

3.Optionals

Select other optional systems you may need :

Optional systems

CIP(Cleaning in place with water)
SIP(sterilize in place with steam)
Auto loading/unloading system
External CIP tank and pumping system
Compressor Piston reciprocating to screw type
Vacuum pump from rotary vane to dry pump
Pizza/sliding door design with main door service
room
Solvent trap for recycle solvent in ice condenser
Loading trays
Transport trolleys for tray
One year spare parts
Other

Conveyor belt/Shelf
loading height from
ground(mm)

What service do you need from Lyomac:

Service List

FAT
SAT installation on user side
Training
AMC(Annual maintenance contract service)
Other

Document list required:

Documentation	Operation and Maintenance manual DQ(Design Qualification) IQ(Installation Qualification) OQ(Operation Qualification) PQ(Performance Qualification) SQ(Software Qualification) Other
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Regulation need
compliance

Safety regulation need compliance	CE GB150 (For SIP) ASME(for SIP) PED(For SIP) Other
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Plant layout sketch
for freeze dryer
installation

If Others, The plant
room dimension(mm)
(L*W*H)

Electrical power
standard

Cooling water system

Other Information

Do you have URS document?	Yes, will send mail to: sales@Lyomac.com No, not prepared
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HOW DID YOU HEAR ABOUT US?

Information from

Here is the end of the list, Please save and send to us : sales@lyomac.com