PheniX Customer Pre-Installation Form

This form is designed to help understand the pre-installation requirements for the PheniX, and to ensure everything is in place for a successful installation. Please fill out and sign the form and then fax it back to us at **+44 1993 883988.**

If the pre-installation specifications shown on this form are not fulfilled, Oxford Cryosystems cannot guarantee that completion of installation will be possible during our engineer's visit. If our engineer's visit needs to be prolonged or a return visit is required to complete installation as a result of these omissions, Oxford Cryosystems reserves the right to charge the customer for extra labour, travel and subsistence.

If you have any questions or are unsure of any of the requirements, please contact Oxford Cryosystems in the UK on +44 1993 883488 or info@oxfordcryosystems.co.uk. Oxford Cryosystems can also be contacted in the US on (978) 772-7930 or liz@oxfordcryosystems.com.

Please place a √ or a X in the boxes below to indicate that the issue is either applicable to your installation or the appropriate specification has been met.

Basic environmental requirements for PheniX

Operating room temperature +8 to +40°C	
Maximum relative humidity 80% for temperatures up to +31°C decreasing linearly to 50% relative humidity at +40°C	

X-ray system

Please describe the components of the X-ray system on which the PheniX will be mounted. Please attach images of the enclosure if possible.

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Cryodrive cooling water requirements

• Chiller cooling requirements: 3.0 kW	
• Regulated flow rate of a minimum of 3 L/min (typical flow rate 5 L/min)[1]	
• Regulated supply pressure 2-7 bar (29-101 PSI) at point of delivery	
• Supply temperature 8 to 26°C[2]	
• Water quality pH range 6.0 to 8.0	
• Maximum calcium carbonate concentration -75 parts in 10^6	
• Suitable supply and return point and connectors for cooling water. Cryodrive supplied with ½" bore reinforced plastic hose and connectors	

Cryodrive electrical requirements

Please indicate the supply available in your lab. **Note: All Cryodrives are shipped to run on a 240 V 50 Hz and must be set up during installation for the local supply.**

Single phase 50 Hz supply (Cryodrive is internal fused with 5 A slow blow fuse. Maximum supply fuse rating 30 A running current 13 A)	
• 230 V 13 A full load	
• 220 V 14 A full load	
• 200 V 15.5 A full load	
Single phase 60 Hz supply (Cryodrive is internal fused with 5 A slow blow fuse. Maximum supply fuse rating 30 A)	
• 220 V 15.5 A	
• 208 V 16.4 A	
• 200 V 17 A	

[1] See Appendix 1

[2] See Appendix 1

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Space requirements

• Cryodrive 3.0: (WxHxD) 447 mm x 450 mm x 560 mm (80 kg)	
• Turbomolecular pumping outfit	

Name: Organisation:

Signature: Date:

End-user full contact details:

This should be the main contact for queries about installation and maintenance of the system.

Name:

Address:

Phone number:

Email address:

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Appendix 1

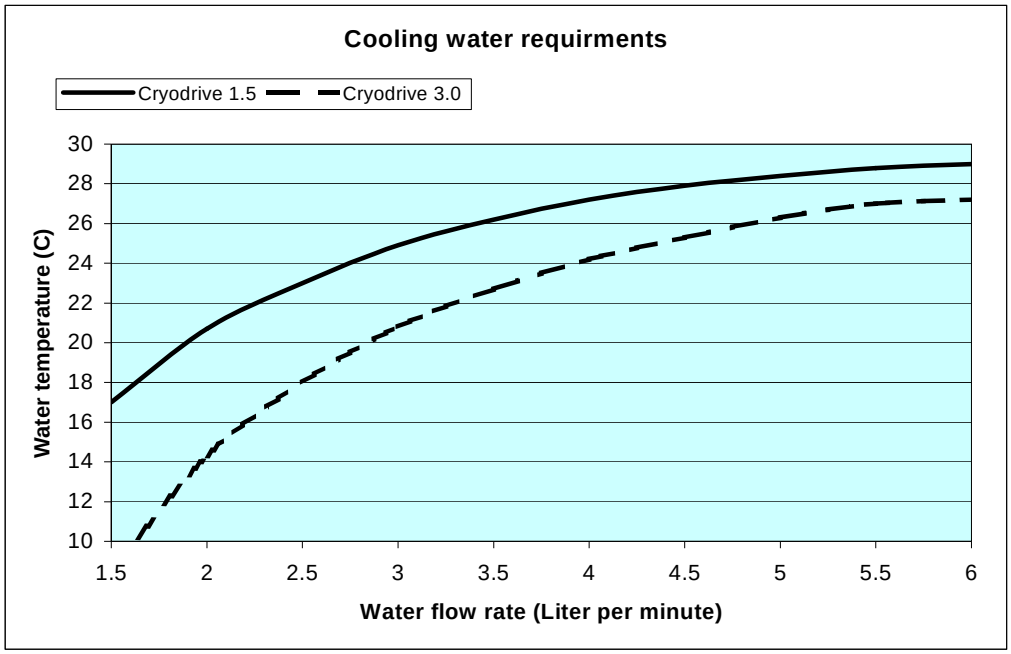

Figure 1 - Cooling water requirements

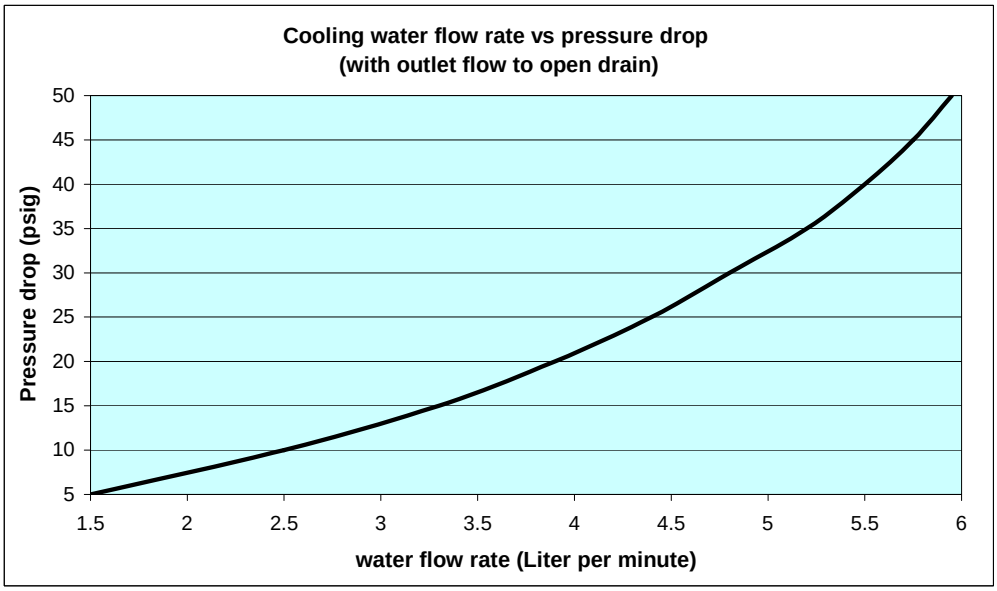

Figure 2 - Cooling water flow rate vs. pressure drop (with outlet flow to open drain)

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