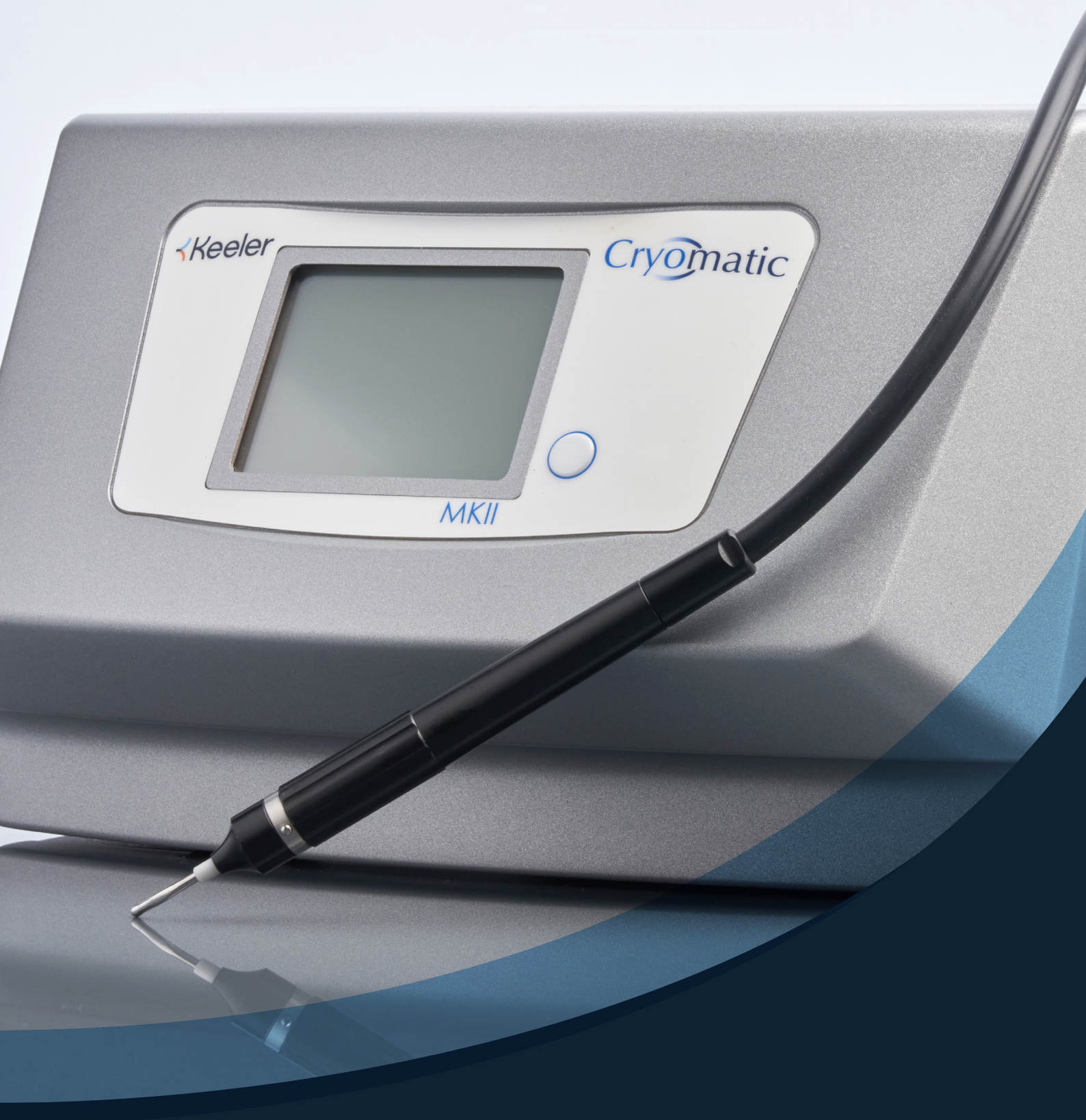




 Cryomatic MK II
Cryosurgery console



Introducing our most versatile and reliable cryo system

Building on the exceptional reliability of its predecessors, the Cryomatic MK II represents the perfect combination of reliability, automation, and clinical versatility. The innovative Cryomatic MK II features an intelligent coupling mechanism that seamlessly accommodates Keeler single-use and reusable probes without adapters, while the smart console automatically recognizes the probe type and self-adjusts, streamlining your workflow.

The intuitive interface features a backlit digital display and audio feedback system, providing clear, real-time information on freeze duration, gas cylinder status, and probe functionality. Designed for maximum clinical flexibility, the system is compatible with seven specialized reusable probes for various pathologies, plus a single-use probe that eliminates sterilization requirements. The Cryomatic MK II works efficiently with both CO₂ and N₂O medical gases, adapting to your specific needs and geographical requirements.

Focused on you: Local servicing and support

With over 50 year's experience in offering ophthalmic cryosurgical units, Keeler has a long-standing legacy of trust and reliability when it comes to ophthalmic cryosurgery.

We're proud to manufacture and assemble our instruments in the UK and the US, providing eyecare professionals with the highest quality ophthalmic devices, ensuring optical precision and reliability in every product. However, should you need assistance, our local expert technicians offer comprehensive care including repairs, annual servicing, and warranty support as well as training on the maintenance of your cryo systems.

Discover the benefits of the Cryomatic MK II



Compatibility with a range of Keeler probes

The console is compatible with Keeler's own range of reusable and single-use probes to provide users with the versatility to treat a range of pathologies.



Simple and convenient set up

The Cryomatic MK II is a complete solution for ophthalmic cryosurgery, featuring a simple graphic display, plus automated elements that allow users to be set up within a matter of minutes.



Automation for consistent performance

Compatible with Keeler's reusable and single-use probes, the integral software automatically detects and safely adjusts to your type of probe, applying the correct pressure levels to enable optimum freezing of the pathology.



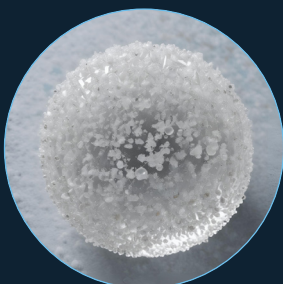
Convenient, short purge cycle

The console ensures a short purge cycle, every time, to help to streamline your workflow, reducing preparation time between procedures. For added convenience, Keeler's single-use probes require no purge cycle at all, allowing for immediate use.



Back-flush facility to remove debris and moisture

During purging, the gas reverses its flow at a lower pressure. The Back-flush facility quickly removes any moisture or contaminants that could affect performance, ensuring consistent and reliable use throughout procedures.



Rapid freeze and quick defrost

The system delivers swift, controlled freezing, allowing users to precisely target pathological tissue with minimal impact to surrounding areas. This rapid response is matched by its quick defrost cycle, enabling smooth transitions between applications.

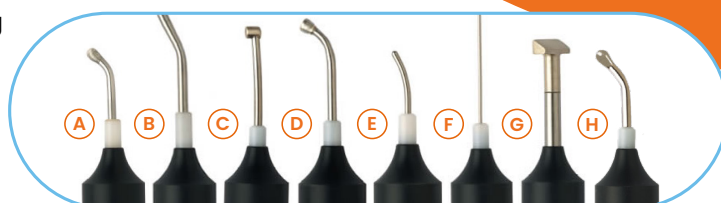
Probes that add versatility to your cryosurgery

The Cryomatic MK II is compatible with Keeler's range of reusable and single-use probes. The Cryomatic MK II console and probes can be considered a superior treatment than using laser retinopexy for the following cases:

- Treating peripheral retinal pathologies
- One-step procedure for retinal detachments. Laser retinopexy on the other hand, must be performed 24-48 hours after gas injection.
- Where there are obstructions within the eye limiting penetration of the laser, such as a cataract or vitreous opacity.

Keeler reusable probes

Keeler's range of reusable probes provides users with versatility to treat a range of pathologies. Designed for ease of connection, there are 8 tips to choose from depending on your requirements.



- | | |
|----------------------------------|-----------------------------------|
| A Standard retinal probe | E Curved cataract probe |
| B Extended retinal probe | F Intra-vitreous probe |
| C Mid-reach retinal probe | G Collins trichiasis probe |
| D Glaucoma probe | H Compact retinal probe |

Keeler single-use probes

Keeler's single-use probes have been designed in collaboration with clinicians to provide users with optimal performance and safety when treating a range of pathologies such as retinal tears, holes, Retinopathy of Prematurity (ROP), and pneumatic retinopexy. They can also be used during scleral buckle procedures for retinal detachments.

Keeler single-use probes offer the same quality, performance and precision as our renowned reusable retinal probes, whilst offering the peace of mind that a sterilized probe is on hand for every patient.



Orientation pip

Tactile feedback to ensure perfect placement of the tip.



Ergonomic design

The single-use probe is shaped to allow better control of the probe, with an insulated body for comfort during the freeze stage.



Curved tip

Designed with the optimum angle to ensure accurate contact with the sclera.

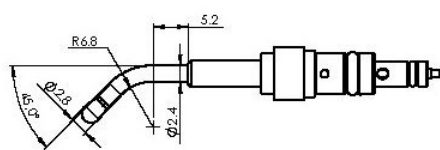


Increased safety

Constructed with a fail safe auto defrost feature for 100% confidence. No risk of forceful or sudden disassembly at any point in your cryosurgery procedure, ensuring that you and your patients are in safe hands.

Technical specifications

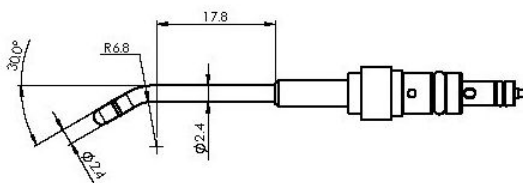
Reusable probes



Standard Retinal

Standard retinal probe

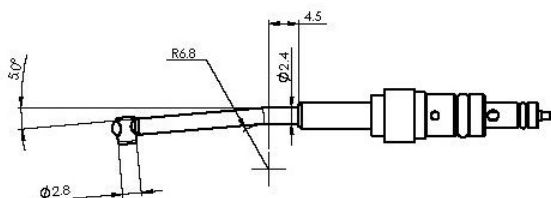
SKU: 2509-P-8020



Extended Retinal

Extended retinal probe

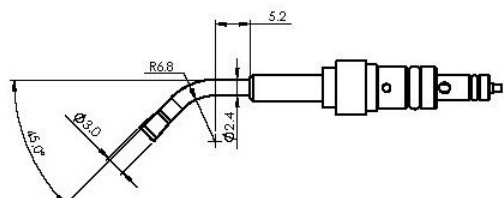
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Mid-Reach

Mid-reach retinal probe

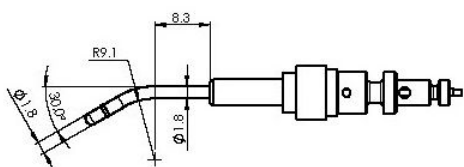
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Glaucoma

Glaucoma probe

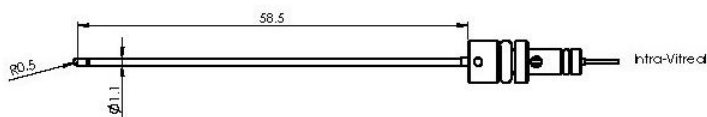
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Cataract

Curved cataract probe

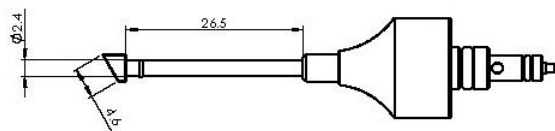
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Intra-Vitreous

Intra-vitreous probe

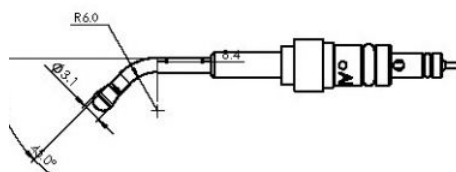
SKU: 2509-P-8023



Trichiasis

Collins trichiasis probe

SKU: 2509-P-8026



Compact Retinal

Compact retinal probe

SKU: 2509-P-8030



Technical specifications

Cryomatic MK II

Cryo system		2509-P-1010	
Gas specification		Medical grade Nitrous Oxide (N2O) or medical grade Carbon Dioxide (CO2) in non-syphonic cylinders.	
Operating range		3100-4480kPa (450-650PSI/31-45Bar)	
Maximum cylinder pressure		8275kPa (1200PSI/83Bar)	
Display		LCD Display (95mm x 70mm)	
Electrical ratings			
Input voltage range		100-240Vac (50/60Hz)	
Power rating		15-30VA	
Fuses		2 x T2AH 250V	
Dimensions			
Width		350mm (14")	
Depth		200mm (8")	
Height		190mm (7.5")	
Weight		4.5kg (10lbs)	
Classification and safety standards			
Complies with		EN60601-1, UL60601-1, and CAN/CSA-C22.2 No 601-1	
Equipment classification		Class 1, type BF (Applied Part)	
Mode of operation		Continuous	
Protection against ingress		Console IPx0 Footswitch IPX7	

Technical specifications

Cylinder adapters

Your Cryomatic can be used with either Carbon Dioxide (CO₂) or Nitrous Oxide (N₂O) gas from non-syphonic bottles via one of the Pin Index Yoke (PIY) or screw thread adapters or cylinder adapters.



SKU: 2508-P-7017
Pin Index Yoke for E Size
Nitrous Oxide Gas Cylinder



SKU: 2508-P-7016
Adapter for F Size Carbon
Dioxide Gas Cylinder



Size E Cylinder
Dimensions (cm) 50x15
Gr. Weight (kg) 7

Size F Cylinder
Dimensions (cm) 86x14
Gr. Weight (kg) 18

Cryo accessories



SKU: 3304-K-1086
Cryo cart

What's in the box?

- Cryomatic MK II console
- Footswitch
- Mains/power cord
- High-pressure gas hose
- Exhaust hose
- Adjustable wrench
- Instructions for use
- 2x spare mains fuses



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