

# Cryomatic

The new standard in ophthalmic cryo-surgery



**Keeler**



## The Cryomatic console employs smart technology

### What does that mean?

In this case it means that there is electronic communication between the console and any probe that is connected to it. The console therefore knows the optimum operating parameters for any given probe and self-adjusts accordingly. Put another way, the console auto-configures to probe characteristics.

### What are the benefits?

The major advantages are that there is no longer any need to manually set up the system at the start of or during any procedure and that every probe will automatically always perform optimally.

### Does this mean that the gas pressure is set automatically?

Yes it does. No manual adjustment is necessary.

## Another unique feature of the Cryomatic console is that it has back-flush facility

### What does that mean?

During purging and about 20 seconds after the footswitch is released, the gas in the system reverses its flow, but at a lower pressure.

### What are the benefits?

This changed direction of gas after a freeze moves any debris or moisture that may be accumulating, thereby virtually eliminating the risk of problems during surgery.

**The Keeler Cryomatic System** including the probes, results from a complete re-engineering process aimed at producing greater reliability and a better freeze, as well as simplicity of set-up and operation, all of which combine to make it uniquely superior

## The Probes

- ① Standard Retinal Probe  
2509-P-8000
- ② Extended Retinal Probe  
2509-P-8001



Whilst retaining classical tip configurations, the probes and their manufacturing processes have been fundamentally redesigned to minimise blocking due to impurities in the cryogen gas or from moisture resultant from sterilising.

## Special Order Range

- ③ Mid-reach Retinal Probe  
2509-P-8002
- ④ Glaucoma Probe  
2509-P-8005
- ⑤ Curved Cataract Probe  
2509-P-8004
- ⑥ Intra-vitreous Probe  
2509-P-8003
- ⑦ Collins Trichiasis Probe  
2509-P8006



## Technical Data

### Cryogenic System

Gas Specification: Medical Grade Nitrous Oxide (N<sub>2</sub>O) or Medical Grade Carbon Dioxide (CO<sub>2</sub>) in non-syphon cylinders.

Operating Pressure Range: 3100 – 5860 kPa (450 – 850 PSI)

Maximum Pressure: 8275 kPa (1200 PSI)

### Electrical Ratings

Input Voltage Range: 100-250Vac (50-60Hz)

Power Rating: 100VA

Fuses: 2 x T2AH 250V

### Dimensions

Width: 305mm (12")

Depth: 200mm (8")

Height: 190mm (7.5")

Weight: 2.5kg (6lbs)

### Classification & Safety Standards

Complies with: EN60601-1, UL60601-1 & 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 IP68

## Ordering Information

Item	Part Number
Cryomatic Cryo Console	2509-P-1000
2.5mm Standard Retinal Probe	2509-P-8000
2.5mm Extended Retinal Probe	2509-P-8001
2.5mm Mid-reach Retinal Probe	2509-P-8002
0.89mm Intra-vitreous Probe	2509-P-8003
1.5mm Curved Cataract Probe	2509-P-8004
3mm Glaucoma Probe	2509-P-8005
4X10mm Collins Trichiasis Probe	2509-P-8006
Pin Index Yoke for E Size CO <sub>2</sub> Cylinder	2508-P-7015
Pin Index Yoke for E Size N <sub>2</sub> O Cylinder	2508-P-7017
CO <sub>2</sub> F Size Cylinder Adaptor	2508-P-7016
N <sub>2</sub> O F Size Cylinder Adaptor	2508-P-7018

### Distributor

#### Keeler Ltd.

Clewer Hill Road, Windsor  
Berkshire, SL4 4AA

Tel: +44 (0) 1753 857177

Fax: +44 (0) 1753 827145

Email: [info@keeler.co.uk](mailto:info@keeler.co.uk)

Website: [www.keeler.co.uk](http://www.keeler.co.uk)

#### Keeler Scotland

25 Deerdykes View, Westfield Estate  
Cumbernauld G68 9HN

Tel: +44 (0) 1236 721214

Fax: +44 (0) 1236 721231

#### Keeler Instruments Inc.

456 Parkway, Broomall  
PA 19008 USA

Toll Free: 1 800 523 5620

Tel: 610 353 4350

Fax: 610 353 7814

Email: [keeler@keelerusa.com](mailto:keeler@keelerusa.com)

Website: [www.keelerusa.com](http://www.keelerusa.com)

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