



The new frontier of Cryotherapy for ophthalmic surgery



Evolution



- Modern design
- Wide angle graphical display
- Application time control (1s ÷ 60s)
- Application temperature control (-30°C ÷ -60°C)
- Visual and sound notification of status and alarms
- Efficiency test to evaluate the pneumatic circuit
- Accurate reading of probe tip temperature

Surgical procedure

- Retinal detachment
- Retinopathy of premature (ROP)
- Proliferative diabetic retinopathy
- Vitrectomy
- Glaucoma
- Intracapsular lens extraction

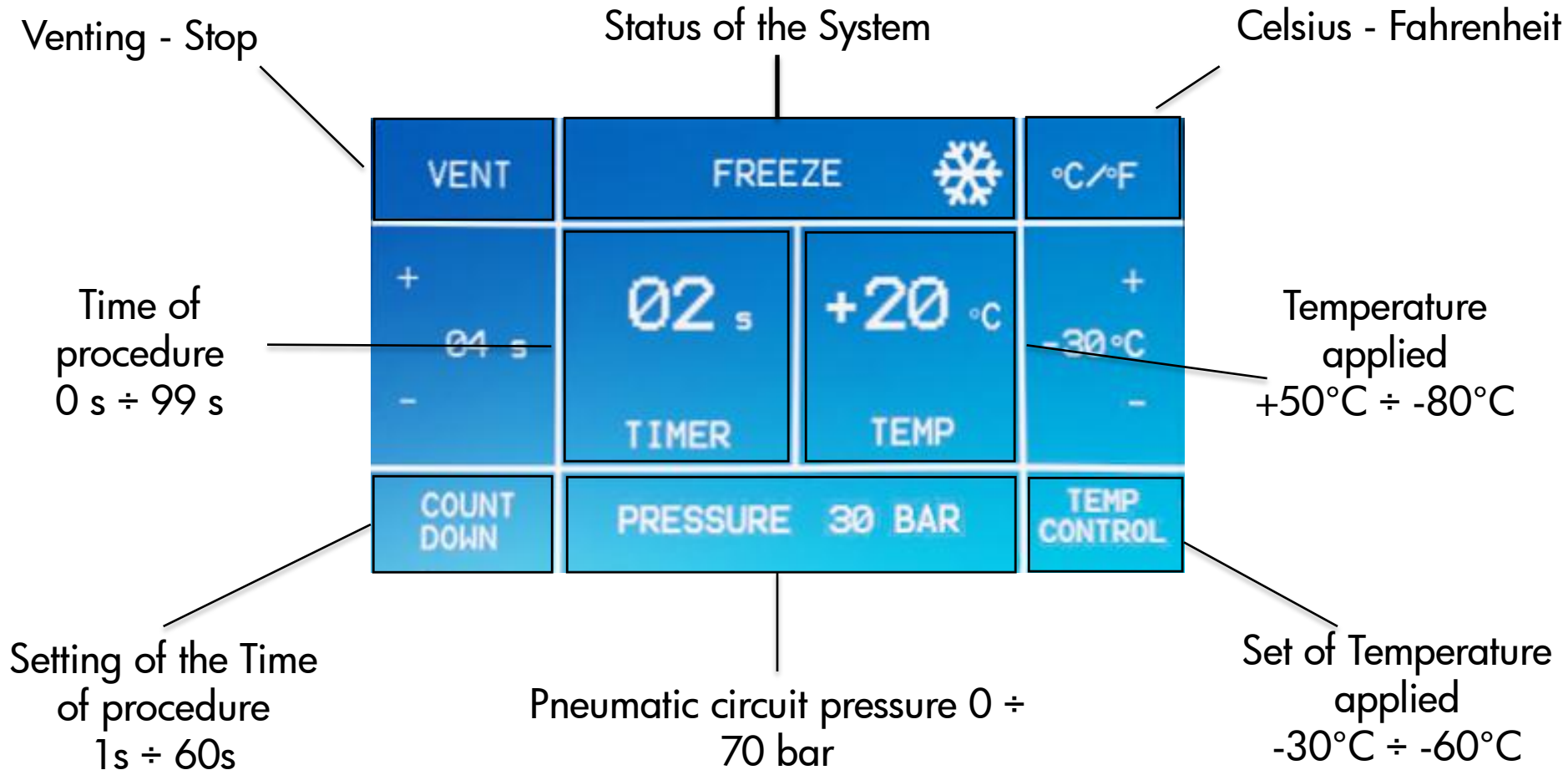
Physics of the device (gas)

| | Carbon Dioxide (CO ₂) | Nitrogen Protoxide (N ₂ O) |
|--------------|---|---------------------------------------|
| Max Pressure | 55 bar | 65 bar |
| Min Pressure | 40 bar | 35 bar |
| Type | Dry gas for medical use in non siphon cylinder | |
| Purity | Minimum title of 99% with relative humidity <1% | |
| Hazard | Low | High |
| Performance | -55°C | -70°C |

ATTENTION: THE EXHAUST OF GAS MUST BE CARRY OUT OF THE SURGICAL ROOM



Graphical User Interface (GUI)



Count down

When “count down” is selected, cryoprobe freezing starts at footswitch push and stops at the end of the application time set by the operator. The end of the application time is accompanied by a sound signal. At the end of the application time the cryoprobe is automatically defrosted.

A sound signal is emitted every second of application.

Temperature control

(Available only with probes equipped with thermocouple)

“Temperature control” allows to set exactly the cryoprobe temperature through the user interface. The temperature is maintained at the set value during the freezing phase. When the footswitch is released the defrosting procedure starts.

The units emits a sound signal every second of application.

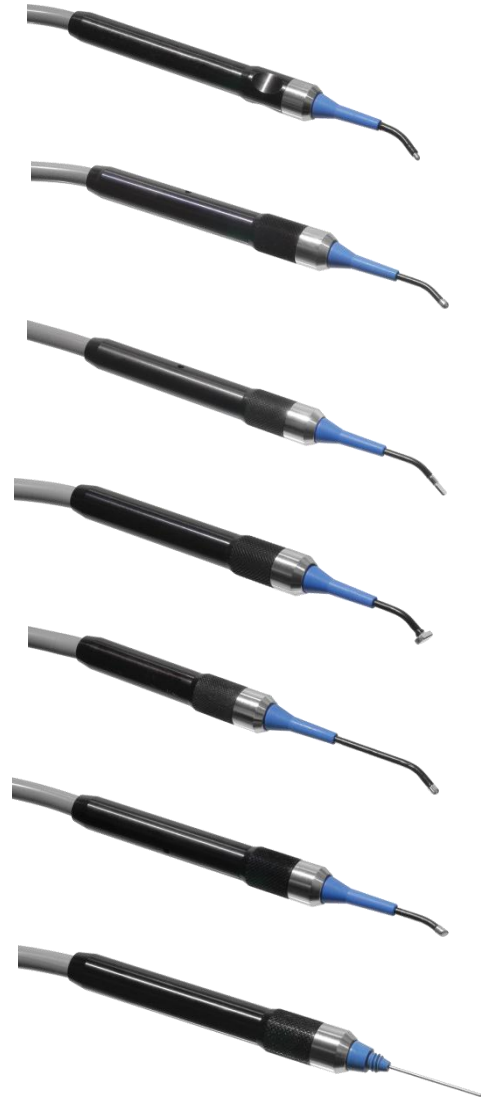
Test of pneumatic circuit

At the equipment start-up it is possible to carry out a test cycle to assess the efficiency and seal of the pneumatic circuit electro valves.

This test takes only a few minutes and can be performed by operating room personnel during the preliminary phase of the intervention.

Accessories – Cryoprobes

- ✓ *Cryoprobe for cataract (133001)*
- ✓ *Cryoprobe for Retina, ball (133002)*
- ✓ *Cryoprobe for Retina, spatula (133003)*
- ✓ *Cryoprobe for Retina "T" shaped (133004)*
- ✓ *Cryoprobe for Retina, "Bonnet"(133005)*
- ✓ *Cryoprobe for Glaucoma (133006)*
- ✓ *Cryoprobe, Endovitreal (133007)*





For over 40 years leader in the field of Ophthalmic cryosurgery