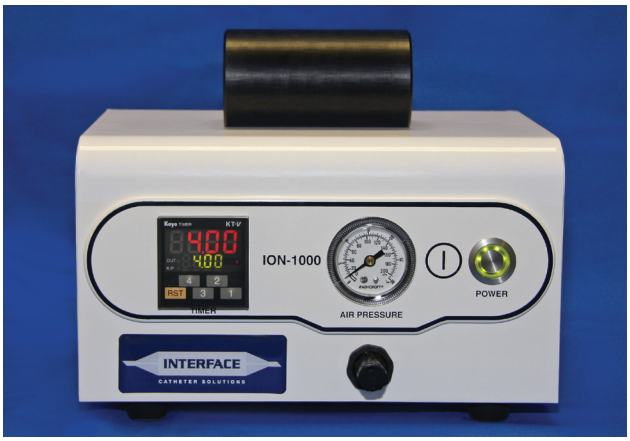
MODEL ION-1000

PARISON DEIONIZER

INTERFACE
CATHETER SOLUTIONS

IMPROVE BALLOON PRODUCTION YIELDS WITH EASY-TO-USE, COMPACT PARISON DEIONIZER

- Removes dust and foreign particulates
- Motion-sensor activated for ease of use with automatic time-out
- Integrated submicron filter system with water separator for clean dry air
- Simple, compact, benchtop system
- Reducing balloon tubing particulates improves production yields



DESCRIPTION

The ION-1000 uses a stream of ionized air to eliminate electrostatic forces that attract dust and to remove foreign particulates from the surface of balloon tubing. A clean parison will increase balloon quality and production yields.

Reduction of particulates on the parison will decrease balloon defects such as:

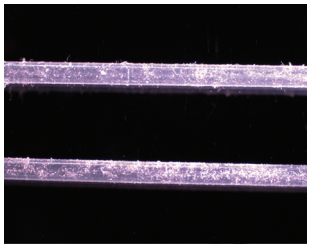
- Drag lines
- Dimples
- Embedded surface particulates

In addition, particulates on the parison can transfer to the molds and end plugs, building up over time. This makes balloon removal more difficult due to increased wall friction and can reduce balloon diameters, particularly in the neck section. Frequent cleanings to handle this buildup increase wear, affecting tolerance and dimensions of the molds.

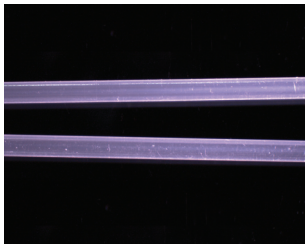
The ION-1000 Parison Deionizer has an integrated submicron filter system with water separator for clean dry air compatible within a clean-room environment. The ION-1000 is motion-sensor activated to initiate air flow when the sensor is engaged and stops automatically based on a predetermined setting. It is a simple compact system that works quickly and accurately.

HOW IT WORKS

The ION-1000 is simple to operate. Press the Start button to power on the equipment. Then select desired timing based on balloon tubing length in minutes and seconds. The amount of air pressure can be adjusted through an air-pressure gauge. After air pressure and timing is selected, the ION-1000 is motion-sensor activated from the right side of the deionizer channel as balloon tubing is inserted.



Pre ION-1000 Nylon 12 Tubing



Post ION-1000 Nylon 12 Tubing

Test result example (above): Exaggerated amounts of static charge and dust were collected on balloon tubing surface to test the equipment at extreme conditions. Visual results show that the ION-1000 works extremely well in removing dust and is well suited for intended day-to-day use in an average balloon production environment.

SPECIFICATIONS	
Dimensions: W x H x D	10.0" x 8.1" x 6.0" 254 mm x 205 mm x 152 mm
Compressed Air:	Up to 30 psi
Timer Range:	99:99 Sec
Power Requirements:	24 VDC @ 1950 mA maximum 47 Watts
Maximum Parison Diameter:	Outer diameter to 0.23" (5.8 mm)
Standard Model:	Part # 739001

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