

# miniSQUAIR®

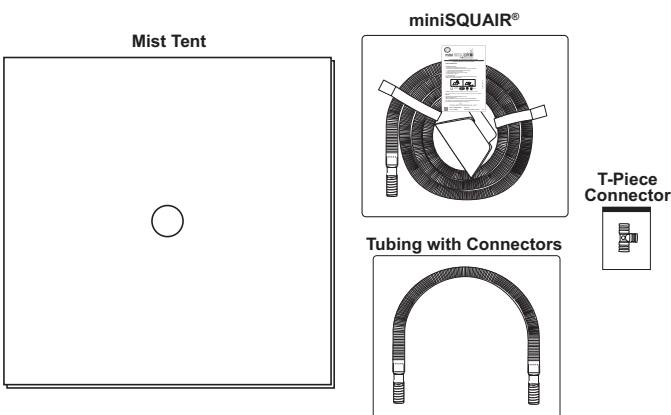
## Viral Aerosol Capture & Patient Isolation System

### Patient Isolation & Capture of Exhaled Viral Aerosol Provides Better Protection for Healthcare Workers Treating COVID-19 Patients



Nascent Surgical has expanded the usefulness of its highly effective aerosol capture device which is currently used to remove surgical plume. The alternative use is for protection of the healthcare worker that cares for the hospitalized, isolated COVID-19 patient. Protection is achieved by isolating the patient and their exhaled aerosol within an oxygen-mist “tent” and removing it using our proprietary miniSQUAIR® aerosol capture device, which is connected with 6 feet of tubing to an ULPA filter powered by a suction capable of generating 25-45 cfm of air flow.

This innovative use for our product once again shows management’s commitment to protecting the healthcare worker and the patients that they serve. We believe that our technology is uniquely qualified to play a beneficial role because of prior research that has shown its effectiveness.

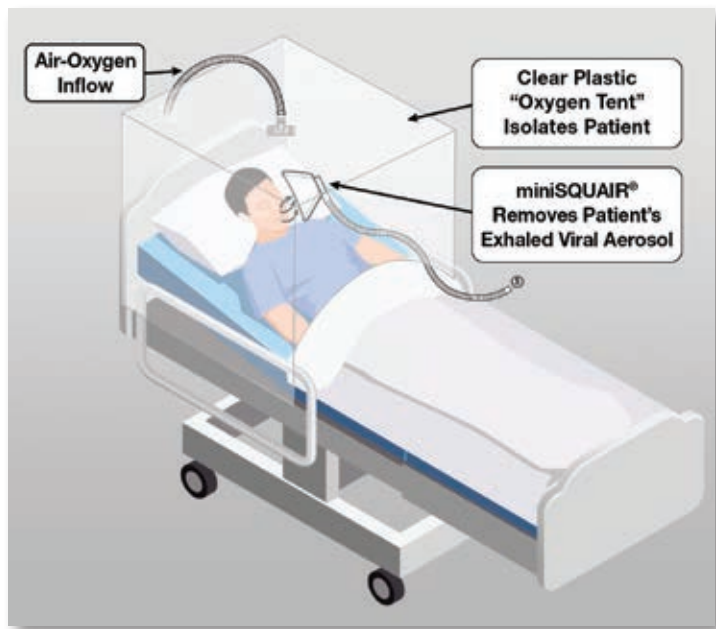


**Aerosol Capture Kit**

### miniSQUAIR® has Proven Effectiveness

- Capable of a 98-99.5% aerosol capture efficiency.<sup>1</sup>
- Capable of 100% capture of airborne transmitted bioaerosols.<sup>2</sup>
- Can significantly ( $p < 0.05$ ) reduce particulates around open surgical wounds.<sup>3</sup>
- Can reduce the rate of post-operative infections.<sup>4</sup>
- 510(K) cleared, CE marked

## A Simpler Solution for Increased Safety of the COVID-19 Caregiver and for Patient Comfort



Capture and removal of the patient's virus-laden expired aerosol within the "tent," in contrast to "isolating" the hospital staff in cumbersome personal protective gear, provides the following advantages.

### Advantages of Patient Isolation

- Control of the patient's expired aerosol to better protect the worker.
- Prevent virus-loading of the hospital environment that requires expensive room-sized filtration systems to eliminate infectious aerosols.
- Low cost of individual patient isolation.

The roominess of the tent should off-set any sense of claustrophobia and the patient remains in a comfortable and natural posture.

1. University of Minnesota, Department of Mechanical Engineering, Particle Calibration Laboratory. Bernard Olson, Ph.D., Manager. Dtd. Nov. 21 and 30, 2013
2. Schultz L., Can Efficient Smoke Evacuation Limit Aerosolization of Bacteria? AORN J. 2015; 102(4): 7-14
3. Liu N, Filipp N, Wood KB. The Utility of Local Smoke Evacuation in Reducing Surgical Smoke Exposure in Spine Surgery; A Prospective Self-Controlled Study. The Spine J. 00 2019: 1-8
4. Kim S, Schultz L. Can Capture of Surgical Smoke Decrease Post-Operative Infection Rates (SSI)? A Preliminary Report. Poster Presentation. 18th Annual ISASS Conference: Apr 11-13, 2018 Toronto Canada

Does Not  
Contain Latex



Single  
Use Only

### Ordering Information

Description: **Aerosol Capture Kit**  
Part Number: SQNS 40002-01  
Packaging: Isolation Tent  
miniSQUAIR® with 6' of Flexible 25mm ID Corrugated Tubing  
2' of Flexible 25mm ID Corrugated Tubing with Connectors  
T-Piece Connector

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