

# MILLENNIUM<sup>®</sup>



*They'll Breathe Easier...*



*...You'll Breathe Easier*

INFANT

AND

PEDIATRIC

VENTILATION



*Because life demands the best.*

# INTRODUCING THE SECHRIST MILLENNIUM®.

## *A New Beginning in Infant/Pediatric Ventilation.*

From Sechrist Industries comes the Millennium® - the infant/pediatric ventilator for the next century. Designed for maximum performance and user-friendly convenience, for which Sechrist has always been known. The Millennium® combines state-of-the-art electronics with the simplicity of pressure sensing technology. The result: simple, reliable ventilation for all your neonatal, infant, and pediatric patients.



### RELIABLE, VERSATILE, SIMPLE.

Just by looking at the Millennium®, you can tell how easy it is to use. Ventilation modes such as SIMV/IMV, Assist Control, and Backup ventilation in CPAP make the Millennium® the optimal choice in basic, reliable neonatal, infant and pediatric ventilation.

### SYNCHRONIZATION FOR EVEN THE SMALLEST CHILD.

What sets the Millennium® apart is the patent pending SmartSync™, a unique pressure sensing device that synchronizes the patient's natural breathing cycle with the ventilator. It has a maximum sensitivity of 0.10 cmH<sub>2</sub>O, and a response time of 5-40 milliseconds depending upon the sensitivity setting. With this technology from a company you've known and trusted for decades, you can be certain the Millennium® will provide your patients with unparalleled performance.

The SmartSync™ weighs only 5 grams, and adds only 1.5cc of mechanical dead space. Convenient, single-patient use meets your infection control needs and assures accurate synchronous triggering every time.



*SmartSync™'s  
patent pending technology*

## FAST, SIMPLE MESSAGES AND ALARMS FOR QUICK, DECISIVE ACTION.

The Millennium® provides a continuous display of peak pressure, PEEP, mean airway pressure, measured/set respiratory rate, and breath status in graphic and/or digital displays.

And when action is required, the LCD message window offers a brief description of the situation, enabling the clinician to take quick, decisive action. The alarm mute feature enables patients to remain undisturbed while corrections and adjustments are made.

## ADD-ON MODULARITY FOR SPECIAL CLINICAL NEEDS.

The Millennium® was designed for simplicity so you can add what you need as you need it. It's easy to add a humidifier or compressor with complete compatibility. Graphics monitoring is available if your clinicians require monitoring of patient respiratory mechanics — and is readily portable.



**Intuitive controls** are simple to set-up and operate, an especially valuable feature when the situation needs immediate attention.



**Lightweight, compact design** (21 lbs. 9.5/kg.) with built-in handle for added convenience.

**Manual breath option** is electronically controlled to deliver precise breaths according to the desired setting.



**Data transmission link** provides serial data output via fiber optic linkage.

**Convenient Basket** is optional.

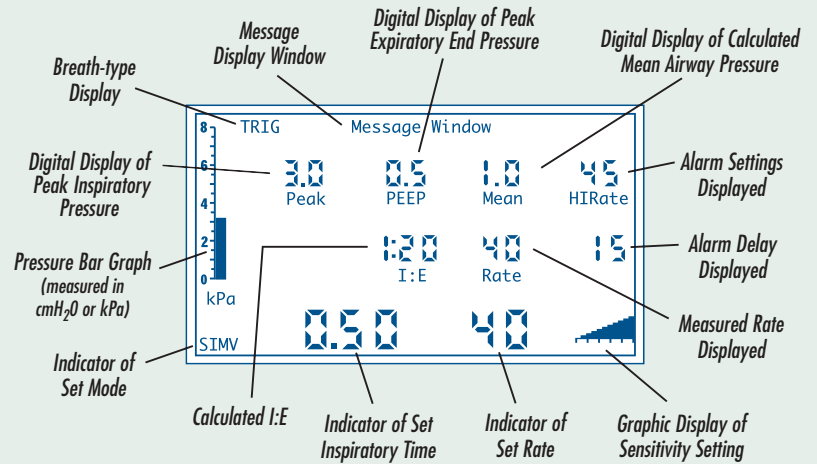


**Versatile** enough for use on a counter-top or rolling stand.

# SPECIFICATIONS TO MEET YOUR NEEDS.

Recommended Applications:	Neonatal, infant & pediatric patients < 50 Kg
Part Number:	20409-XXX
Flow:	2-32 lpm; flush 40 lpm
Modes of operation:	AC, SIMV/IMV, CPAP, CPAP with backup ventilation, Standby
Inspiratory Time:	0.1 to 3.0 seconds
I:E Ratio:	4:1 to 1:10 (settable)
Rate:	2 to 150 breaths per minute
Expiratory Pressure:	0 to 20 cmH <sub>2</sub> O
Inspiratory Pressure:	5 to 70 cmH <sub>2</sub> O
Waveform:	Tapered to square
Manual Breath:	Electronically controlled, based upon the inspiratory pressure, inspiratory time and waveform control settings
Alarms:	High Inspiratory Pressure Low/Prolonged Inspiratory Pressure Low PEEP/Baseline Pressure Apnea High Respiratory Rate Loss/Low Electrical Power System Error/Vent Inop Loss of Inlet Gas
Alarm Delay:	3 to 15 seconds
Alarm Mute:	30 seconds
Safety Pressure Relief Valve:	15 to 85 cmH <sub>2</sub> O
Indicators:	Inspiratory Pressure PEEP/Baseline Pressure Calculated I:E Ratio Mean Airway Pressure Proximal Airway Pressure Bar Graph Measured Respiratory Rate
Dimensions:	13.5" (34.29cm)H x 11" (27.94cm)W x 9.5" (24.13cm)D
Weight:	21 lbs. (9.5Kg)
Gas Consumption:	14 lpm above the continuous flow setting
Power Requirements:	110 to 120 VAC, 50/60 Hz 220 to 240 VAC, 50/60 Hz 100 VAC, 50/60 Hz

## DISPLAY SCREEN FEATURES



MDD 93/42/EEC  
EU Authorized Representative  
AR-MED, Ltd. (Company 3154742)  
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Egham, Surrey TW20 9BD  
United Kingdom



## THE CONFIDENCE YOU EXPECT FROM SECHRIST.

For over 20 years, Sechrist Industries, Inc. has been recognized as a worldwide pioneer and leader in the design, development and manufacturing of critical care infant/pediatric ventilators. Starting in 1978 with the introduction of the IV100B, the most widely used conventional ventilator—followed in 1994 by the IV100B SAVI™ & IV200 SAVI™ synchronized technology, the only electronic impedance-triggered system available today. Sechrist now sets the stage for the new Millennium®.



Because life demands the best.

### Sechrist Industries, Inc.

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