



# HYPERBARIC VENTILATOR

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## MODEL 500A

Designed as a life support device for exclusive use with the Sechrist Monoplace Hyperbaric Chambers, the Model 500A Hyperbaric Ventilator offers a number of key advantages. The ventilator enables patients in need of ventilation support to be treated in the hyperbaric chamber. Ventilation is pneumatically controlled and the system compensates for pressure changes within the chamber. As the chamber is pressurized/depressurized, the control module automatically\* adjusts delivery pressure to maintain preset tidal volumes -all while inspiratory and expiratory times remain unaffected.



THE WORLD LEADER IN HYPERBARIC TECHNOLOGY & MEDICINE

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## TECHNICAL SPECIFICATIONS

RECOMMENDED APPLICATION	Controlled mechanical ventilation of and adult receiving Hyperbaric Oxygen Therapy
MINUTE VOLUME RANGE	0 - 15 LPM at 3 A.T.A. (2.1 kg/cm <sup>2</sup> )
TIDAL VOLUME RANGE	0 - 1.5 Liters at 3 A.T.A. (2.1 kg/cm <sup>2</sup> )
FREQUENCY RANGE	8 - 30 breaths per per minute
INSPIRATORY TIME RANGE	1.0 - 3.5 seconds
EXPIRATORY TIME RANGE	1.0 - 5.0 seconds
IE RATIO RANGE	1:5 - 3.5:1
INSPIRATORY FLOW RANGE	0 - 100 LPM at ambient 0 - 60 LPM at 3 A.T.A. (2.1 kg/cm <sup>2</sup> )
INSPIRATORY PRESSURE LIMIT	20 - 80 cm H <sub>2</sub> O adjustable Safety Pressure Relief Valve
MANUAL CONTROL	Manual push button for inspiration. Inspiration occurs as long as the button is pushed. Amount of depression controls flow. Bypass all internal ventilator circuitry.
HUMIDIFIER	500 ml nebulizer
AIRWAY PRESSURE GAUGE	0 - 80 cm H <sub>2</sub> O Manometer
POWER SOURCE	70 - 80 p.s.i (4.9 - 5.6 kg/cm <sup>2</sup> or 482.7 - 551.6 kPa) Medical Breathing Oxygen
POWER CONSUMPTION	26 LPM (max) during inspiratory phase

PRODUCT	PART NUMBER
Hyperbaric Ventilator, Model 500A, designed exclusively for use with Sechrist Industries Hyperbaric Chambers, complete with: Ventilator Mounting Kit, Inside Block Assy. Stand and Pressure Hoses	3000
Extra Inside Block Assembly	3006
Extra Mounting Kit	HB 500-MK
Model 500A Hyperbaric Ventilator Operational Instructions Manual	100008

For complete documentation, see the labeling accompanying the device

\* ±30%



## CODES & STANDARDS

Sechrist Industries' designs, manufacturing, services and installation systems are certified to ISO 13485:2003 Quality Assurance Standard for Medical Devices.

[sechristusa.com](http://sechristusa.com)

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