

AutoVent™ 2000/3000

Automatic Transport Ventilator



AutoVent 2000



AutoVent 3000

Quality by Design

- Small, compact, and transport ready.
- Designed to perform in harsh and toxic environments.
- Assembles quickly with simplified operating instructions printed on the case.
- Impact-resistant case with shock-absorbing bumpers and recessed control settings.
- Rate and volume settings independently operated.
- Easy-to-monitor patient valve assembly and toxic atmosphere valve are able to deliver additional breaths on demand by inspiratory effort of the patient.
- Operates exclusively on standard 50 psi source gas, eliminating air entrainment and maintaining the integrity of the specified oxygen concentration.
- Operates at extreme temperatures ranging from 0° F to 125° F.
- Pneumatically powered ... batteries not required.
- Allows for PEEP attachment.
- Meets ASTM, ISO and KKK-1822C standards.

The first ventilator designed expressly for the EMS professional, the AutoVent 2000 provides independent controls for tidal volume and BPM. The AutoVent 3000 ... with additional inspiratory time settings ... offers an even wider range of patient applications to meet most critical emergency care situations. Both models are designed to meet ventilator needs in a variety of applications, from intra- and inter-hospital transports to sophisticated air rescue. Automatic transport ventilators have been recommended by the American Hospital Association as the preferred equipment to provide ventilator support in the pre-hospital setting.

The AutoVent 2000/3000 uses state-of-the-art pneumatics to assure reliable, time-cycled constant flow ventilation powered by a minimum of source gas. Both models may be used with all models of the LSP single patient use ventilation circuits as an added protection against patient cross-contamination.

Each AutoVent is accompanied by the proven LSP patient valve with its bright green visual breath indicator, built-in audible pressure limit alarm, and intermittent mandatory ventilation providing gas flow for spontaneous breathing patients. The patient valve is available with an anti-inhalation valve for use in toxic environments.

AutoVent™ 2000/3000

SPECIFICATIONS

Control Modules

Supply Pressure Range: 40-60 psig
Operating Temperature: 0° F to 125° F
Storage Temperature: -40° F to 160° F
Frequency - AV2000: 8 to 20 BPM
Frequency - AV3000: 8 to 28 BPM
Tidal Volume - AV2000: 400 to 1200 ml
Tidal Volume - AV3000: 200 to 1200 ml
Flow Rate: 16 to 48 lpm
Inspiratory Time - AV2000: approx. 1.5 or 2.0 seconds
Inspiratory Time - AV3000: approx. .75, 1.5, or 2.0 seconds
Expiratory Time: 1.5 to 6.0 seconds
I-E Ratio: 1:1 to 1:4
Weight: 24 oz. (680 grams)
Dimensions: 6" W x 1-3/4" D x 3-1/2" H
Case Material: polyester
Input connection: plated brass
Output Connection: plated brass
Minute Volume: 0 to 24 lpm
Gas Consumption Driving Gas: 0.5 lpm maximum
Driving Gas: 0.5 lpm maximum

Patient Valve Assembly

Flow: as required in demand mode: 0-48 lpm at 50 psig
Peak Inspiratory Flow: 48 lpm at an airway pressure drop of less than 2.5 cm H₂O
Delivery Pressure: 60±5 cm H₂O
(Insp.) Crack Pressure: 0 to -2 cm H₂O (0 to -.8 in. H₂O)
Exhalation Resistance:

LPM	cm H ₂ O (max)
0-10	1.5
11-70	3.8

Gas Consumption Driving Gas: 0.5 lpm maximum
Dead Space: 8 ml (excluding mask)
Supply Pressure: 40 to 60 psig
Operating Temperature: 0 F to 125 F
Storage Temperature: -40 F to 160 F
Inlet Fitting: standard male oxygen DISS
Filter: 25 micron stainless steel mesh
Outlet: 22 mm outside diameter x 15 mm inside diameter; fits standard medical masks, endotracheal tubes, and tracheostomy tubes)
Weight: 16 oz. (450 grams)
Materials: body - anodized aluminum; cover - polycarbonate; outlet fitting - polycarbonate; inlet fitting - plated brass

ORDERING INFORMATION

AutoVent 2000

L460: Control Module, patient valve, supply tubing, 6' O₂ hose, and non-rebreathing valve with hose.
Inspiratory Time: 2.0 seconds.

L460-150: Same as L460.
Inspiratory time: 1.5 seconds

AutoVent 3000

L461: Control Module, patient valve, supply tubing, 6' O₂ hose, and non-rebreathing valve with hose.
Inspiratory time: 2.0 seconds.

L461-150: Same as L461.
Inspiratory time: .75 and 1.5 seconds

L523: AV 3000 portable system for D or Jumbo D cylinder (cylinder not included): L461 AutoVent 3000, L270-220 O₂ regulator, L099-005 adult & L099-002 child cuffed masks, handwheel, and L040124 soft-pack carry case

Accessories

L270-220: Oxygen Regulator, CGA 870, 0-25 lpm, with gauge, 2 check valves, hose barb outlet

L280-220: Oxygen Regulator, CGA 540, 0-25 lpm, with gauge, 2 check valves, hose barb outlet

L599-010: Ventilation Circuit, single patient use, with patient valve, corrugated tubing, 10/case

L599-030: Ventilation Circuit, single patient use, with patient valve, corrugated tubing, swivel connector, 10/case

L599-090: Ventilation Circuit, single patient use, with patient valve, corrugated tubing, swivel connector, exhalation filter, 10/case

L535026: Oxygen Hose, 6', DISS fittings

L535114: Oxygen Hose Assembly

AutoVent 2000 & 3000



L599-010



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All specifications are nominal and subject to change without notice.

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