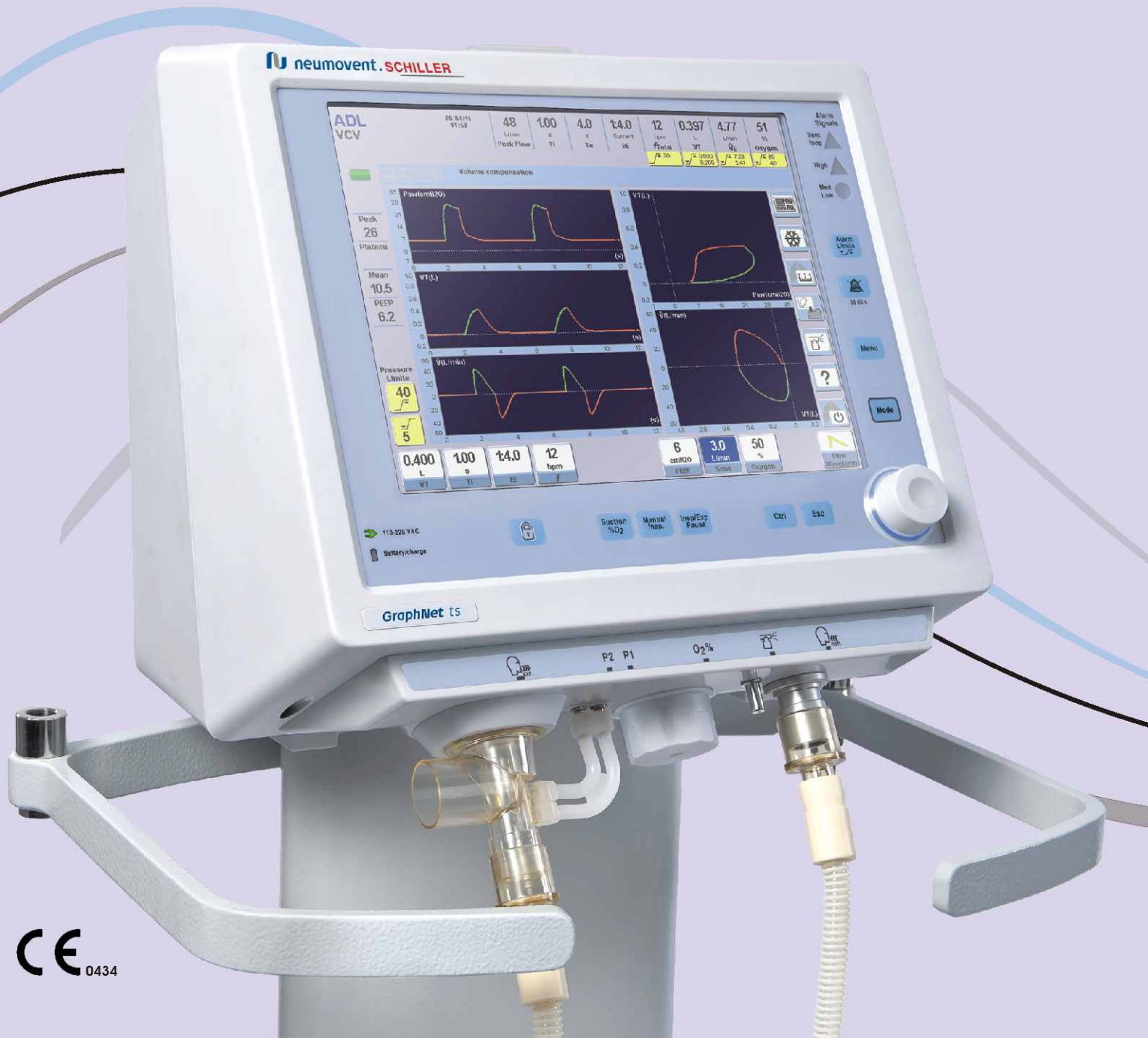


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GraphNet ts

Ventilation therapy
without compromise.



Operative Modes

Adults And Pediatrics

VCV Volume Control (Assisted/Controlled)
PCV Pressure Control (Assisted/Controlled)
PSV Pressure Support
CPAP Continuous Positive Airway Pressure
SIMV (VCV) + PSV
SIMV (PCV) + PSV
MMV + PSV Mandatory Minute Ventilation
PSV + Tidal Volume Assured
APRV Airway Pressure Release Ventilation
NIV Non-Invasive Ventilation

*NEONATES-INFANTS (Optional)

VCV Volume Control (Assisted/Controlled)
PCV Pressure Control (Assisted/Controlled)
PSV Pressure Support
CPAP Continuous Positive Airway Pressure
SIMV (VCV) + PSV
SIMV (PCV) + PSV
TCPL Time Cycled Pressure Limited
SIMV (TCPL) + PSV
CPAP with Continuous Flow (with leak compensation for NIV)
APRV Airway Pressure Release Ventilation

Parameter Selection

(according to operative mode and patient category)

Tidal Volume: 5-2500 mL
Programmable Minute Volume (MMV + PSV): 1.0-50 L/min
Resulting Minute Volume: 0.01-130 L/min
Inspiratory Time: 0.1-3 seconds (30 s in APRV)
*I:E Ratio: 5:1 - 1:5.99
Respiratory Rate:
ADL: 1-100 bpm
*PED/*NEO-INF: 1-150 bpm
FiO₂: 0.21-1.0
Inspiratory sensitivity:
- Flow Triggered: 0.2-15 L/min
- Pressure Triggered: 0.5-20 cmH₂O below PEEP
Expiratory sensitivity for PSV: 5%-80% of the initial peak flow, in steps of 5%
PEEP/CPAP: 0-50 cmH₂O
Controlled Pressure (PCV): 2-100 cmH₂O
Support Pressure (PSV): 0-100 cmH₂O
Inspiratory Pause (programmable in VCV): 0-2 seconds
Inspiratory Flow Waveform (in VCV): Rectangular and Descending Ramp
Inspiratory Flow (resultant): 0.2-180 L/min
* Continuous Flow (NEO-INF): 2-40 L/min
* Limited Pressure in TCPL (NEO-INF): 3-70 cmH₂O
Maximum pressure limited (safety limits): up to 120 cmH₂O

Alarms

Light and audible signals according to priority and messages on the screen.
The system keeps a record of the occurred events with name, date, and time.
This record is printable and cannot be deleted. The system allows the deactivation of Tidal Volume and Minute Volume alarms in NIV.

High and Low Inspiratory Pressure, High Continuous Pressure
Low Pressure of O₂ and Air, or one of them, Oxygen not adequate, PEEP LOSS
Main Power Loss, Low Battery
Technical Failure, Fan Failure
Disconnection
High and Low Minute Volume, High and Low Tidal Volume
High and Low O₂ percentage
Apnea, Leak (non-compensable)
High Respiratory Rate

* with neonatal option

Accessories shown are not part of standard configuration. Technical data are subject to change without notice.

Other Features And Controls

12" color touch screen
Trends (up to 72 hours)
PF, PV, FV LOOPS. They can be saved as reference loops
Sighs (in VCV)
Suction %O₂: for suction sequence with variable FiO₂, Standby function
Synchronized Nebulizer
Manual Inspiration, Inspiratory/Expiratory Pause (manual)
Inspiratory relief valve (antisuffocation)
Pneumatic safety valve: 120 cmH₂O (±5)

Complementary Functions

Altitude compensation for volume correction
Body temperature volume correction (BTSP)
Volume correction according to patient circuit compliance
Leak compensation available in all operative's modes
Tidal Volume Setting based on Ideal Body Weight (IBW)
Intra-hospital transport: facilitates the mobilization when the ventilator can only be supplied with oxygen bottles

Respiratory Mechanics

Selection by onscreen menu:
AutoPEEP, Trapped volume measurement
Dynamic and static compliance, Inspiratory and Expiratory Resistance
Slow Vital Capacity (Non-forced), Imposed work of breathing (WOBI)
Occluded inspiratory effort during 100 ms (PO.1)
P/V Inflections Points
Maximum inspiratory pressure (Pi max)
Rapid Shallow breathing index (FVT Index)
Expiratory time constant (TCexp)

Connectivity

RS-232C with DB-9 connector

Electrical Requirements

Main Power: 100-240 V / 50-60 Hz Automatic voltage switching
Internal Battery: 10,8 V / 4,8 Ah. Automatic recharge
Estimated duration: 2 hours when fully charged Charge level indicator onscreen

Pneumatic Requirements

Gas supply:
- Oxygen: Pressure 3.5-7 bar (approx 50-100 psi) Connector: DISS 9/16"-18
- Air: Pressure 3.5-7 bar (approx 50-100 psi) Connector: DISS 3/4"-16
Automatic gas switching when one of them is absent in order to allow patient ventilation with the remaining gas.

Order Information

GraphNet ts main unit
Cart/Trolley
Exhalation valve with flowsensor
Reusable adult patient circuit
Test lung

Optional:

Air compressor
Humidifier

Manufactured by TECME, Argentina

SCHILLER

The Art of Diagnostics

Factory: No. 17, Balaji Nagar, Pudukcherry - 605 010.

Swiss H.Q.: Schiller AG, Altgasse 68, RO, Box 1052, CH-6341 Baar, Switzerland

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