

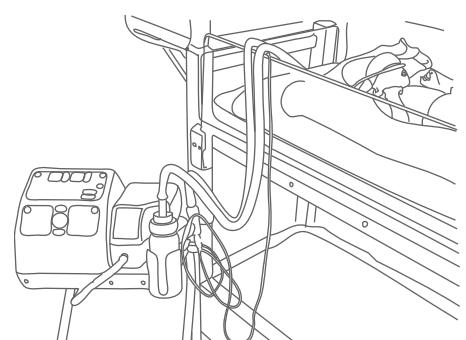
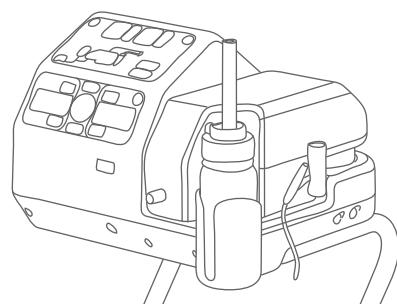
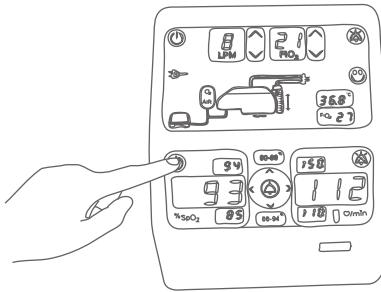
Dolphin
CPAP

LifeKit by **MTTS**



DOLPHIN

A bubble CPAP machine for **neonatal patients** requiring **respiratory support**.



Overview

- 100% reusable and cleanable
- complete all-in-one CPAP treatment and monitoring device
- integrated design includes gas mixing, humidification, PEEP chamber, air compressor and pulse oximeter in one compact unit
- 2h battery backup (excluding heat and humidity)

PEEP

- innovative design for safe and easy adjustment
- easily visible at front of unit

Gas Mixing

- electronic mixing for easy, independent adjustment of flow rate and FiO2
- directly set FiO2, no calculations or tables
- internal regulator allows safe connection to a variety of oxygen sources

Humidifier

- automatically refills for 3-days continuous operation
- small heated volume for quick warm up
- heater power automatically adjusted to maintain correct humidity and minimise rain-out

Patient Circuit

- completely reusable
- most parts autoclavable
- chemically disinfectable if autoclave is not available
- includes internal heater wire and temperature sensors
- robust but flexible silicone tubes

Dimensions and Weight

Unit dimensions (excl. support arm)	80 cm x 38 cm x 38 cm
Shipping (boxed) dimensions	51 cm x 45 cm x 88 cm
Net Weight	18 kg
Shipping Weight	28 kg

Performance Specifications

PEEP	Type: Bubble
	Pressure Range: 0 to 10 cm H ₂ O
Gas Mixing	Type: Electronic
	Oxygen Percentage / FiO ₂ : 21 to 99%
	Flow Rate: 4 to 9 LPM
Air Compressor	Type: Blower
	Power Supply: Integrated, 12V DC
Gas Supply	Oxygen Input Range: 3.5 - 60 psi
	Oxygen Connector: DISS 1240
Humidifier	Type: Pasover
	Humidity: >90% RH
	Warm Up Time: <10 minutes
	Time between Refills: 3 days (approx)
Patient Circuit	Type: Heated, Reusable
	Default Gas Temp: 37°C (range 35-40°C)
Pulse-Oximeter	SPO ₂ Measurement: 1 - 100% SPO ₂
	BPM Measurement: 25 - 240 bpm
Device noise level	<50 dB at a distance of 1 meter

Requirements

Power Requirements	Voltage: 100-240V AC
	Frequency: 50-60 Hz
	Power Consumption: 240W MAX
Agency Requirements	ISO 13485: 2016
	EN 60601-1-2/6/8: 2010
	EN 80601-2-61: 2011
	ISO 8185: 2009

Distributor:

Pulse Oximeter

- pulse-oximetry integrated into the device
- choice of MTTS and Masimo SET® technology for accurate, reliable, robust measurements
- simple user interface and alarm settings
- no multi-level menus or complicated button sequences

Air Compressor

- integrated air compressor means there is no need for an external air source
- completely integrated, no messy external wires or tubes



Ordering Information and Servicing

MAIN UNIT	MODEL	ITEM ORDER NO	
CPAP	1.20	CPD-10000	
CONFIGURATION			
Gas Hose	Compressed Oxygen	ID 150 + Connector	
Mains power cable	EU/US-VN/UK	ID 551/2/3	
User Manual	EN/FR/VN		
ADDITIONAL SERVICEABLE PARTS			
Humidifier		ID 1006	2 years
PEEP Chamber		ID 1007	2 years
Silicon Tube Set		ID 1008	2 years
Heater Wire Draw Line		ID 991	1 year
Temperature Sensor		ID 990	4 years
Heater Wire Connector		ID 1312	4 years
Oxygen Sensor		ID 2040	5 years
Inlet Gas Filter		ID 1219	1 year
Cleaning Brush		ID 1000	1 year
MTTS Pulse ox Sensor		ID 999	1 year
CONSUMABLE PARTS			
MTTS Nasal Cannula	Size 0/1/2/3/4/5/6	ID 2062/3/4/5/6/7/8	
WARRANTY			
Standard Warranty	1 year	Subject to MTTS Warranty Policy	



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