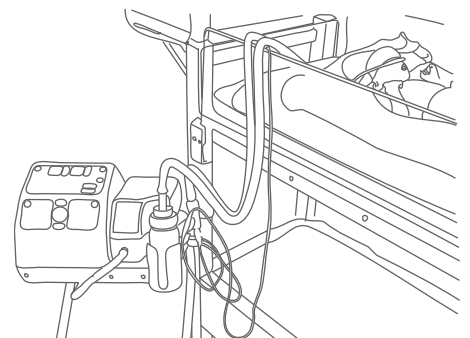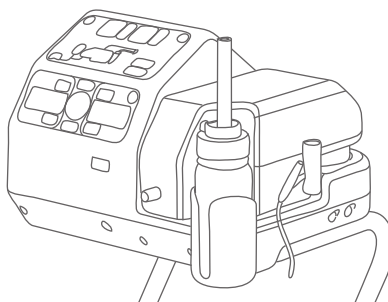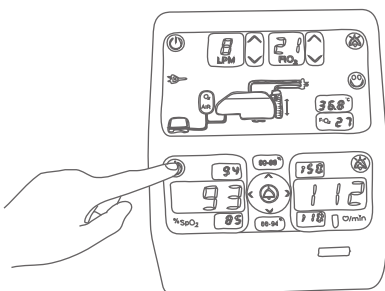# Dolphin
CPAP

LifeKit by **MTTS**

CE 2265

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/CPAP

- 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
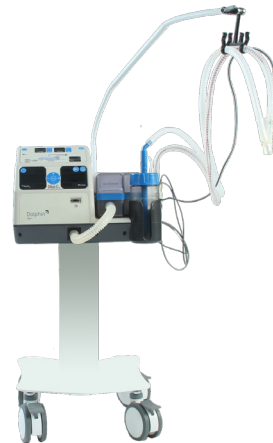
Patient Circuit

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

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

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/CPAP	Type: Bubble
	Pressure Range: 0 to 10 cm H_2O
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: 25 to 60 psi
	Oxygen Connector: DISS 1240
Humidifier	Type: Passover
	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	SPO2 Measurement: 1 - 100% SPO_2
	BPM Measurement: 25 - 240 bpm

Ordering Information and Servicing

MAIN UNIT	MODEL	ITEM ORDER NO	
CPAP Unit	CPAP - V1.20	CPD-10000	
CONFIGURATION			
Gas Hose	Compressed Oxygen	CDP-10511/12/13/14	
Mains power cable	EU/US-VN/UK	CDP-10601/2/3	
User Manual	EN/FR/VN	CDP-10701/2/3	

ADDITIONAL SERVICEABLE PARTS		ITEM ORDER NO	LIFETIME
Humidifier		CDP-10800	2 years
PEEP Chamber		CDP-10900	2 years
Silicon Tube Set		CDP-11001	2 years
Heater Wire Draw Line		CDP-11002	1 year
Temperature Sensor		CDP-11003	4 years
Heater Wire Connector		CDP-11004	4 years
Oxygen Sensor		CDP-11100	1.5 years
Inlet Gas Filter		CDP-11200	1 year
Cleaning Brush		CDP-11300	1 year
MTTS Pulse ox Sensor		CDP-11400	1 year

CONSUMABLE PARTS		ITEM ORDER NO
MTTS Nasal Cannula	Size 0/1/2	CNL-10000/1/2

WARRANTY		
Standard Warranty	1 year	Subject to MTTS Warranty Policy

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:

MTTS

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