

Setting Up the Life Pulse

Provide Gas Source	Connect ventilator to a low flow blender (0-30 L/min.) or to low flow output (2-100 L/min.) of a standard air/oxygen blender.
Provide Electrical Power	Plug Life Pulse into electrical outlet.
Turn On Life Pulse	Press the ON/OFF switch on front panel. Press SILENCE button to quiet "Power ON" alarm.
Install Cartridge/Circuit	Remove plastic tube from guide pins on back of cartridge. ①Place cartridge into cartridge door and latch securely. ②Attach green gas inlet tube to GAS OUT connector. ③Attach purge tube to PURGE connector on front panel and Patient Box.
Latch Water Inlet Tube Into Pump Housing	④Place water inlet tube into pump housing and latch pump door securely.
Install Pinch Tube in Patient Box	⑤ Press "PUSH TO LOAD" button on top of Patient Box and gently stretch pinch tube into pinch valve.
Attach LifePort Adapter to Circuit and Patient Box	⑥ Connect pressure monitoring tube of LifePort to Patient Box and ⑦ connect Life Pulse circuit to jet port on the LifePort adapter.
Attach Sterile Water & Place At or Below Humidifier Level	⑧ Connect sterile water supply to water inlet tube on humidifier cartridge via water transfer tube, then ⑨ unclamp water transfer tube.
Perform Systems Test	Attach LifePort Adapter and Endotracheal Tube to Test Lung. Press TEST button and verify that Life Pulse runs through test sequence and returns to STANDBY mode with audible alarm sounding. Press SILENCE button to quiet "PASSED TEST" alarm.
Perform Functional Test	Perform a functional test. Press ENTER button to start default settings (PIP 20, Rate 420, On-Time 0.02) while attached to test lung. Verify that READY condition can be met, monitored pressures are stable, and monitored PEEP is 0.0 ± 1 cm H ₂ O when no PEEP is being applied.
Place Life Pulse Into <u>Standby</u>	Place Life Pulse into STANDBY mode after Tests are completed and prior to connecting to the patient. (See Warning)
Before Connecting to Patient, Remove and Save Test Supplies	Remove Test set-up from Life Pulse circuit and Patient Box. Save LifePort, ET tube, and Test Lung for future use.
WARNING: The water inlet tube of the humidifier cartridge/circuit must be latched into the pump housing to prevent cartridge overflow and delivery of water to the patient by gravity feed.	
WARNING: The water supply should be positioned at or below the level of the humidifier cartridge to decrease the potential of overflowing the cartridge by gravity feed.	