The Maquet Servo-i is available in three main configurations: Infant, Adult, and Universal. These main configurations are as standard equipped with a number of ventilation modes suitable for each patient category. Further ventilation modes can be installed via software Option Upgrades. The Siemens Maquet Servo-i can be divided into two main units; The User Interface and the Patient Unit.

Features

- Infant, adult, and universal configurations.
- Invasive and non-invasive ventilation with leakage compensation.
- Nasal CPAP capabilities.
- Transportation with no loss of treatment quality between hospitals.
- CO2 Analyzer for end tidal carbon dioxide measurement that may give important insight into the efficiency of the ventilation.
- Heliox - gives a more laminar flow that reduces work of breathing.
# Specifications

## Dimensions
- **Height:** 51.8 in (131.5 cm)
- **Width:** 22 in (56 cm)
- **Depth:** 25.2 in (64 cm)
- **Weight:** 44.1 lbs (20 kg)

## Max Operating Pressure
- Approximately 115 cmH₂O

## Method of Triggering
- Flow, pressure and Edi (optional)

## Bias Flow
- **Adult:** 2 l/min
- **Infant:** 0.5 l/min

## Gas Supply
- **Inlet Gas Pressure Air/O₂:** 200 – 650 kPa / 2.0 – 6.5 bar / 29 – 94 PSI
- **Connection standards available:** AGA, DISS, NIST, or French standard.
- **Unavailable Gas / Loss of Gas Pressure:** The flow from an unavailable gas (air or O₂) is automatically compensated for so that the patient gets the preset volume and pressure.

## Patient System Gas Connectors
- **Conical fittings:** Male 22 mm / female 15 mm. In accordance with ISO 5356-1.
- **Gas exhaust port:** Male 30 mm cone

## Inspiratory Channel
- **Pressure drop:** Max. 6 cmH₂O at a flow of 1 l/s
- **Internal compressible factor:** Max. 0.1 ml/cmH₂O
- **Gas delivery system:** Microprocessor controlled valve
- **Inspiratory flow range:**
  - **Adult:** 0 to 3.3 l/s
  - **Infant:** 0 to 0.55 l/s

## Expiratory Channel
- **Pressure drop:** Max. 3 cmH₂O at a flow of 1 l/s
- **Internal compressible factor:** Max. 0.1 ml/cmH₂O
- **PEEP regulation:** Microprocessor controlled valve
- **Rise Time, Expiratory Flow Measurement:** <12 ms for 10 – 90 % response at flow of 0.05 – 3.2 l/s
- **Expiratory flow range:** 0 to 3.2 l/s