

# 集装箱式供氧系统

## 应用

1. 医疗用途：连接呼吸机及麻醉机
2. 向医院供氧，连接医疗中心供氧
3. 可选增压泵：4-8 Bar (0.4 ~ 0.8MPa)

## 规范

1. 原理：变压吸附分子筛 (PSA)
2. 氧气流量：5(N)m<sup>3</sup>/h ~ 50(N) m<sup>3</sup>/h
3. 氧气浓度：93±3%
4. 出口压力：0.4 ~ 0.45MPa, 0.4 ~ 0.8MPa( 当使用可选的增压泵时 )
5. 功率：AC380V±5%，50/60Hz
6. 噪音：<85dB, <65dB (带可选降噪模块)
7. 功耗：~ 1.5kWh/m<sup>3</sup>
8. 净重：~ 6000kg(30 m<sup>3</sup>/h), ~ 9000kg(50 m<sup>3</sup>/h).流量较少，重量较轻。
9. 尺寸：6000 m×3000 m×2800 m

## 使用与安装

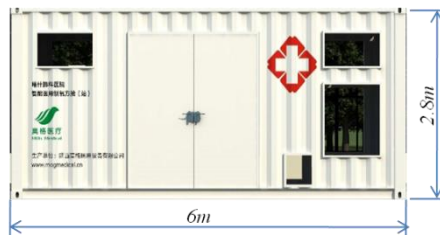


图 1. 集装箱式供氧系统 (COSS) 的外部视图



图 2. COSS 的结构组成与原理



图 3. 安装和使用 (便于使用)

# Containerized Oxygen Supply System

## Application

1. Medical use: connect with ventilator and anaesthesia machine
2. Oxygen supply to hospital, connecting medical central oxygen supply
3. Optional Booster Pump: 4-8 Bar(0.4~0.8MPa)

## Specification

1. Principle: Pressure swing adsorption of molecular sieve (PSA)
2. Oxygen Flow: 5(N)m<sup>3</sup> /h~50(N) m<sup>3</sup> /h
3. Oxygen Concentration: 93 ± 3%
4. Outlet Pressure: 0.4~0.45MPa, 0.4~0.8MPa (when use optional booster pump)
5. Power: AC380V ± 5%, 50/60Hz
6. Sound Level: <85dB, <65dB (with optional noise reduction module)
7. Power Consumption: ~1.5kWh/m<sup>3</sup>
8. Net Weight: ~6000kg(30 m<sup>3</sup> /h), ~9000kg(50 m<sup>3</sup> /h). Less flow, less weight
9. Size: 6000 m × 3000 m × 2800 m

## Usage&Installation

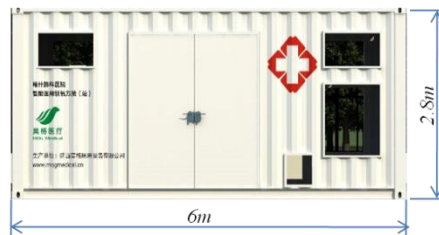


Figure1. Outside View of Containerized Oxygen Supply System(COSS)



- ① Air-compressor ② Filter ③ Air-buffer-tank ④ Cold-dryer ⑤ Oxygen-generator ⑥ Booster-pump

Figure2. Structure Compose and the principle of the COSS



- ① COSS ② Oxygen-buffer-tank ③ Medical central oxygen supply system

Figure3. Installation and Usage (easy to use)