

Convenience and Independence

The OGSi CFP-15M combines the high pressure and variable flow rate available from an oxygen cylinder with the oxygen generation and replenishment capabilities of an oxygen concentrator. Empty oxygen cylinders become a thing of the past. By simply connecting an empty oxygen cylinder(s) (up to two H-size at once) to the discharge line and turning it on, the unit will automatically re-fill cylinders to 2200 psig. The OGSi CFP-15M automatically turns itself off once the desired level of pressure is reached. The unit will top off most cylinders in a few hours, providing independence from traditional oxygen supply channels.

These portable oxygen generation systems (POGS) have the added benefit of being easily transported to battlefield hospitals. Unlike other POGS, the OGSi CFP-15M can be assembled onto its own cart for mobility inside the hospital tent. This feature saves space, and eliminates the tripping hazard of other POGS on the market. Additionally, the OGSi CFP-15M cart has provisions for (2) H-size O₂ cylinders, and a station for transfilling to smaller O₂ cylinders. Field assembly and set-up of the Model CFP-15M POGS can be done in minutes.

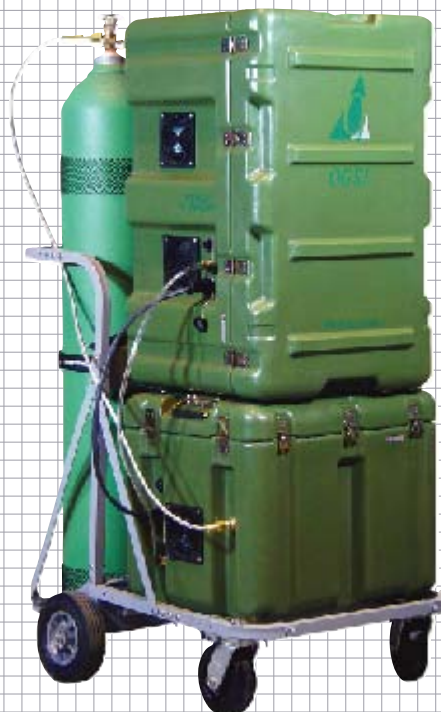
Oxygen Quality

The Oxygen produced by this system will be of Medical Grade, conforming to the United States Pharmacopeia Standard for 'Oxygen 93 Percent'. There is an oxygen purity monitor which operates continuously. Air and oxygen pressure is also monitored.

Reliability

A password secured touch-screen monitor provides easy access to all system controls and readouts. The system is designed to run automatically and requires little attention once it is started. It has an automatic shutdown feature if oxygen purity drops, with display and audible alarms. The CFP-15M incorporates pressure swing adsorption (PSA) technology for oxygen generation. PSA oxygen generators have been used in many critical applications for years. The design is modular, enabling quick and easy service. Should it be necessary, any of the major subsystems can be changed within minutes.

Visit www.ogsi.com for further specifications, drawings, manuals and photos of our full line of oxygen generators and oxygen systems.



View of the Front



View of the Inside

Model CFP-15M Specifications

Product Gas:	
Oxygen Quality	Medical Grade - Conforming to USP for 'Oxygen 93 Percent'
Oxygen Concentration	93% \pm 3%
Carbon Dioxide Limit	300 ppm
Carbon Monoxide Limit	10 ppm
Oxygen Dewpoint	-60°F (-51°C)
Oxygen Flow Rate	0-15 Standard Cubic Feet* per Hour (SCFH) (0-7.5 LPM)
Oxygen Pressure	up to 2200 psig (152 Bar)

** A Standard Cubic Foot is a cubic foot of gas at 14.7 psia (sea level atmospheric pressure) and 60°F*

System Operation:	
Feed Air Flow Rate	Standard Unit Includes Feed Air System 4 SCF/Minute @ 40 psig
Feed Air Quality	ISO 8573.1 Class 4 Minimum or Grade D (See Below)
Sound Levels	Door Open: 68 dB @ 1 meter Door Closed: 62 dB @ 1 meter
Power Requirements	Standard (Domestic): 120 VAC, 60 Hz, Single Phase 10.0 Amps. Optional (International): 240 VAC, 50/60 Hz, Single Phase 5.0 Amps.

Measurements and Connections:			
Weight **	OGS Unit (top)	20.75w x 19.5d x 32.75h (inches) 52.70w x 49.53d x 83.18h (cm)	91 Lbs. 41.27 kg.
	OGS Unit (bottom)	22.5w x 18.25d x 18.375h (inches) 46.35w x 46.35d x 46.67h (cm)	88 lbs. 39.91 kg.
	Cart Only	27w x 36d x 39h (inches) 68.58w x 91.44d x 99.06h (cm)	95 lbs. 43.09 kg.
Outlet Connection	1/4" (F)NPT Bulkhead		
Cylinder Connection	CGA 540 Standard / CGA 870 Optional		

*** Dimensions / Weight of Assembled Unit with Cart and Two "K" Cylinders*

ISO 8573.1 Air Quality Specification:	
Maximum Particle Size	15 Microns
Dewpoint	37°F (2.8°C) (940 ppmv)
Oil Content	5 ppmv

