



TEAMWORK

Teamwork Family Oxygen Concentrator System

Features:

Reliable Oxygen Production

*Rugged, Environmentally
Tolerant Design*

*Modular Design for
Scalability*

*Easy Assembly and
Simplified Controls*

Constant Delivery Pressure



The Teamwork Family is one of a series of systems engineered to produce higher oxygen flows than individual units for applications with higher oxygen consumption. Because it is based upon SeQual®'s patented Advanced Technology Fractionator (ATF®) design, it has high reliability, redundancy, modularity, and scalability, without higher cost.

Benefits:

*Low Capital and Operating
Costs*

*Eliminates the Need for an
External Product Tank*

*Designed for Use in any
Industrial Location*

Extended Compressor Life

*System Is Scalable Up To
336 SCFH In 14 SCFH
Increments*

The Teamwork Advantage

The Teamwork is engineered to be flexible to meet changing and growing needs. The Teamwork is ideal for projects with energy conservation requirements or budgetary constraints. Each station can be switched off to conserve energy. The Teamwork Platform can be ordered partially populated. Additional stations are available in kits when needed. Each kit consists of one compressor, one ATF and the associated hardware to expand the capacity by 14 SCFH (6.6 SLPM).

SeQual Teamwork generators of all capacities feature oil-less air compression and redundancy for fail-safe reliability. Power is the only back-up required.

Each Teamwork Platform includes an oxygen monitor with LEDs and integrated alarms, six power switches, product pressure gauge, and flow meter. The Teamwork Platform is the basic "building block" for all Teamwork generators.

Teamwork Racks are fabricated of rugged structural steel capable of holding up to four Teamwork Platforms, an oxygen manifold, and an additional flow meter for the combined flow. Each Teamwork Platform output easily snaps into the Teamwork Rack manifold with a quick disconnect.



The ATF Advantage

ATF® oxygen modules incorporate proven pressure swing adsorption (PSA) principles into a unique patented design which is far more compact, efficient, rugged and lower in cost than conventional PSA systems. The ATF® module offers unparalleled design flexibility and enables applications where on-site/on-board oxygen generation was previously impractical.

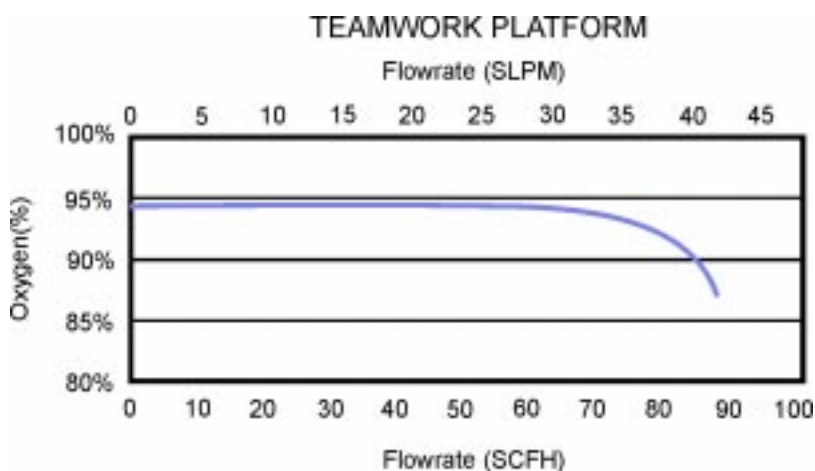
ATF® Modules vs. Typically Configured Conventional PSA Systems

	Conventional	ATF Station
Pneumatic Connections	40-60	10
Electrical Connections	20-30	5
Solenoid Valves	2-8	0
Control Electronics	Required	None
Inlet Air Pressure (psig)	90	20
Pressure Reducing Regulator	Required	None
Maintenance	Substantial	Minimal
Product Tank	Required	None

The Teamwork Family

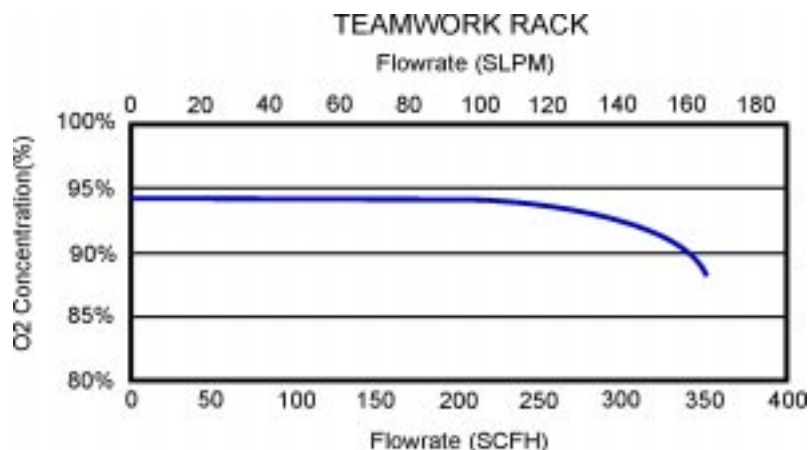
Teamwork Platform

The Teamwork Platform provides oxygen from 0-84 standard cubic feet per hour (SCFH)/0-40 standard liters per minute (SLPM) at 90-95% purity. Each station consists of one ATF and one oil-less compressor and contributes up to 14 SCFH (6.6 SLPM) of oxygen above 90% purity. Each station has its own power switch and can be activated separately, or turned off to conserve power. This provides maximum flexibility and scalability.



Teamwork Rack

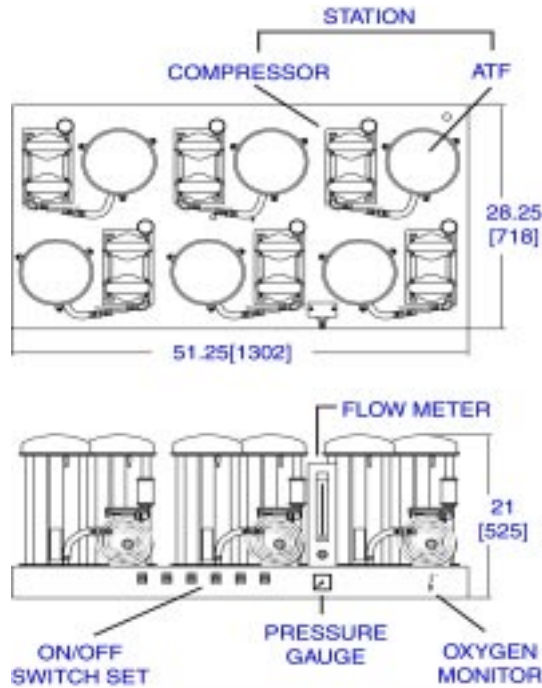
The Teamwork Rack provides oxygen from 0-336 standard cubic feet per hour (SCFH)/0-158 standard liters per minute (SLPM) at 90-95% purity. The Teamwork Rack consists of up to four Teamwork Platforms mounted on a rugged structural steel rack. Each of the 24 stations consists of one ATF and one compressor and contributes up to 14 SCFH (6.6 SLPM). As with the Teamwork Platform, each station has independent power controls to provide maximum flexibility, scalability, and energy savings.



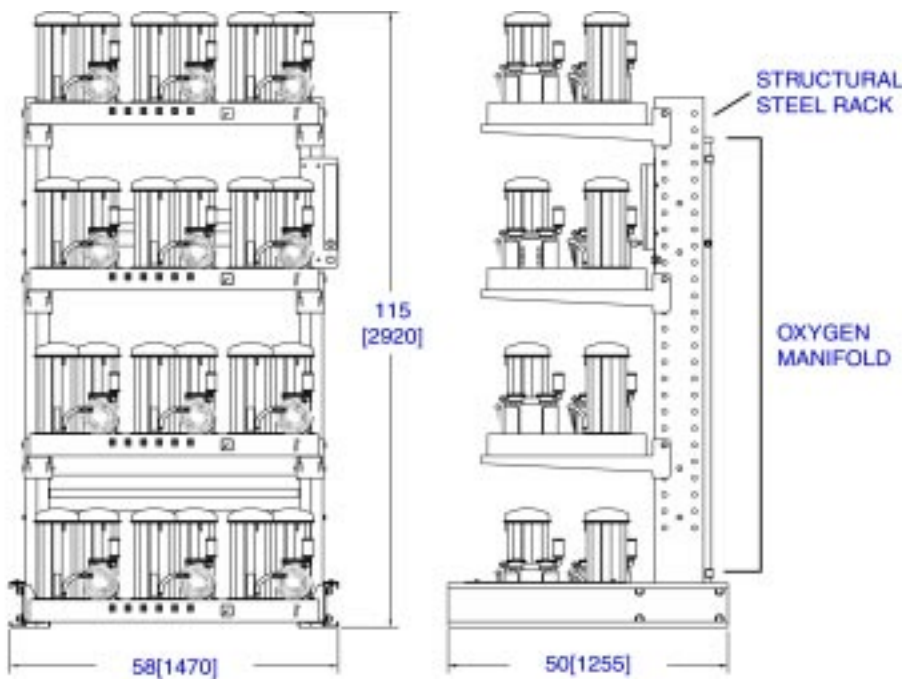
This technical data is presented as a basis for Teamwork selection only. Performance is based upon nominal units tested under lab conditions. Please call for additional information.

Envelope Dimensions inches (mm)

Teamwork Platform



Teamwork Rack



Teamwork Characteristics:

Ambient Temperature Parameters:
40°F - 130°F (4°C - 54°C) inside room or operating enclosure

0°F - 140°F (-18°C - 60°C) storage

Cooling Requirements:
The Teamwork generates approximately 9200 BTUs per hour per platform and will require adequate cooling to keep the system functioning properly.

Oxygen Delivery Dewpoint:
-100°F (-73°C)

Physical:
Teamwork Platform O₂ outlet: 1/8" NPT female pipe connection (quick disconnect into manifold if on a Teamwork Rack unit)

Teamwork Rack O₂ outlet: 1/2" NPT female pipe connection

Electrical:
Teamwork units are configured for 208-240V/60Hz, with a NEMA L6-20P plug.

Teamwork Platforms plug into a power raceway if on a Teamwork Rack unit.

Oxygen monitor output for oxygen concentration and alarms is nine pin D-sub connector.

Power consumption is approximately 450W (2.5 Amps) per station.

Teamwork Performance and Specifications

Name	Model #	Performance Data		Maximum Dimensions Inches (mm)	Maximum Weight lbs (kg)
		Flow* 90% (+3%-5%) O ₂ at	Oxygen Delivery System		
Teamwork Platform	9284	84 SCFH 40 SLPM 2.4 m ³ /hr 0.08 ton/day	7 psig 0.5 bar 360 mm Hg 190 in. H ₂ O	21H x 51W x 28.25D (525H x 1302W x 718D)	310 (140)
Teamwork Rack	90336	336 SCFH 158 SLPM 9.5 m ³ /hr 0.3 ton/day	7 psig 0.5 bar 360 mm Hg 190 in. H ₂ O	115H x 58W x 50D (2920H x 1470W x 1255D)	1500 (680)

* Performance is based upon nominal units tested under lab conditions. Expansion kits are available.

Patented Simplicity for Reliable Long Life

The unique design of the Advanced Technology Fractionator (ATF) oxygen module eliminates dozens of components and inter-connections found in conventional PSA systems. A patented single rotary distribution valve built into the ATF® module is continuously rotated at low speed by a small motor. The valve is maintenance free, self-cleaning, insensitive to contamination, and invulnerable to wear. It sequentially directs the

flow of compressed air to a group of four sieve beds (adsorption), while at the same time another four beds are purged into the atmosphere through the valve (desorption). The remaining four of the twelve beds are interconnected through the valve to equalize pressure as the sieve beds sequentially transition between adsorption and desorption. In contrast to a conventional PSA system, the small amplitude pres-

sure swings generated by the ATF's twelve sieve beds eliminate loud noise pulses, eliminate the need for a pressure regulator, and reduce compressor wear.



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