

# Oxygen Filling Station

Our Oxygen filling Station uses advanced Pressure swing Adsorption (PSA) technology to produce Oxygen and includes a high pressure compressor for filling Oxygen cylinders. The design is made for 24/7 operation.

**WE OFFER 3 TYPES OF FILLING STATION**

## Stand-alone system

The stand-alone system consists of the essential components (compressor, dryer, generator etc.) provides and innovative format when you are not restricted in terms of height, width or capacity etc. It is a cost-effective and maintenance friendly solution, suitable for indoor installation. Waste heat from the compressor can also be recovered and used to reduce heating costs.



## Skid mounted

This is a robust and compact pre-assembled turn-key system built on a steel frame consider components including piping, hoses and a single electrical connection. Skids are available in small to medium systems, allowing for easy transportation with no installation needed. A plug and play solution.



## Containerised unit

This is a modified ISO container which includes all system components with the advantage of being easily maneuverable and it can be specified to withstand environmental conditions such as, tropical, sub tropical, Arctic, desert, and extreme saltwater exposure.



### Standard Features

- ✓ Molecular sieve moisture protection
- ✓ Control system with 4" SIEMENS colour touch operated panel
- ✓ Automatic start/stop
- ✓ Robust design, piping from Stainless Steel (AISI316)
- ✓ Data-logging on USB storage
- ✓ Audio/visual alarm
- ✓ Carbon Tower

### Optional add-ons

- ✓ SMS alarm & control (remote start/stop, status SMS, alarm warning SMS)
- ✓ Sequential start/stop system (one button operation)
- ✓ Flow meter with totalizer
- ✓ Product gas dew point sensor
- ✓ Temperature sensor
- ✓ 7" and larger touchscreens should be on a new line
- ✓ Audio/visual alarm
- ✓ Remote and automatic protection from oil contamination
- ✓ Filling ramp suitable for various cylinder sizes

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Model	Purity	Capacity	Max. outlet pressure	Number of filled cylinders per day	Dimensions	App. weight
	%	m <sup>3</sup> /h	bar	volume 6m <sup>3</sup>	(LxWxH) m	kg
O4FS	95	3.4	152	13.6	1.0 x 5.0 x 1.9	600
O8FS	95	6.8	152	27.2	1.5 x 7.5 x 2.1	2200
O18FS	93/95	19	172	76	1.5 x 7.5 x 2.4	2600
O21FS	93/95	21	207	84	1.7 x 8.7 x 2.5	4000
O32FS	93/95	34.9	172	139	2.0 x 10.5 x 2.5	6000
O42FS	93/95	42	207	168	2.2 x 10.5 x 2.6	6300

Note: Stated models are delivered in a stand-alone configuration. For skid-mounted and/or containerized units, please, contact us.  
Larger capacities also available.

## Operating conditions

Our products are built on innovative technology designed to the highest practical standards while keeping lifecycle costs to a minimum. Costs are further reduced by including all items listed as **Standard**.

Customers have the possibility to select from our extensive list of **Optionals** to customise the system to suit their individual needs.

**What sets us apart** is our unique design using knowledge and experience gained over many years of service. An example is the Standard addition of our Molecular Sieve protection to eliminate water moisture from damaging the generator, thus increasing its lifespan and reducing running costs, along with our industry first Sieve Compression System, to ensure our product is always at the forefront of the industry.

## Essentials

- ✓ Air compressor
- ✓ Air dryer – refrigerant or adsorption
- ✓ Air filtration – 0.1 and 0.01 micron
- ✓ Air tank
- ✓ Oxygen generator
- ✓ Buffer tank
- ✓ HP Oxygen compressors
- ✓ Filling ramp with accessories

