

NEWTEK GROUP

Twin Tower PSA Oxygen Generator

Standard oxygen generation solution for hospitals,
factories and continuous oxygen demand.

Hospital

Factory

Standard Solution



Product Brochure 2026

www.newtekgas.com

Why choose a Twin Tower PSA system?

A proven configuration for stable oxygen generation in standard projects.



Continuous supply

A/B adsorber towers alternate for stable oxygen production.



Standard project layout

Clear modules simplify design, installation and service.



Hospital and industrial use

Suitable for medical gas supply and factory oxygen demand.



Scalable capacity

Flow and pressure can be configured by project requirement.



Built for reliable oxygen projects.

Twin Tower PSA is a standard solution when buyers need proven architecture and easy service.



A/B tower cycle

Alternating adsorption and regeneration supports steady oxygen output.



Visible controls

Operator panel, gauges and analyzer help daily checks.



Modular equipment

Compressor, dryer, tanks and generator can be arranged by site.



Easy maintenance

Open skid layout supports inspection and component access.



Project flexibility

Medical or industrial configuration available.



Lower cylinder dependence

On-site generation reduces delivery and storage pressure.

Technical parameters are configured by demand.

Standard Twin Tower PSA systems are selected according to oxygen flow, pressure and use case.

Oxygen purity	93% +/- 3%
Technology	Twin Tower PSA
Capacity	Project-specific configuration
Main modules	Compressor, dryer, filters, PSA generator, buffer tank
Control	PLC / HMI with analyzer and alarms
Use cases	Hospital oxygen and industrial oxygen supply
Installation	Indoor equipment room or factory utility area



A standard oxygen plant for hospital supply.

Hospitals need stable oxygen, clear monitoring and a serviceable equipment room layout.



Central Oxygen Supply

Support pipeline oxygen for wards and treatment areas.



Emergency Backup

Reduce cylinder logistics pressure during peak demand.



Monitoring

Purity, pressure and alarm checks support daily operation.



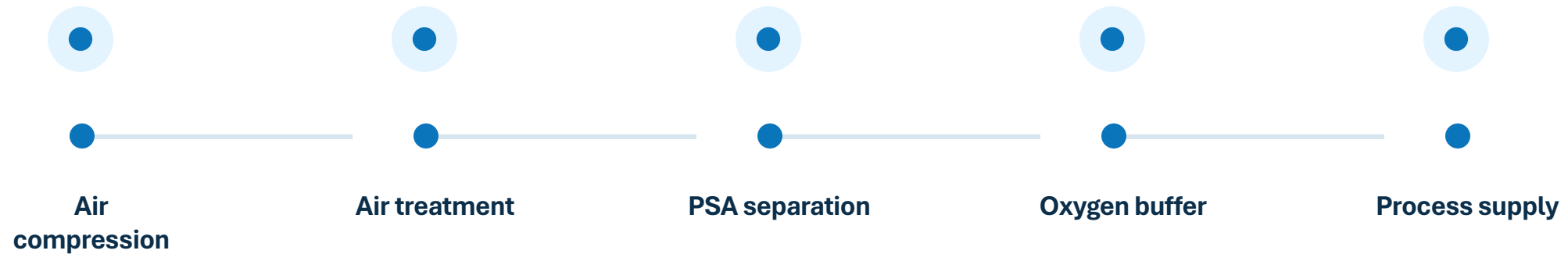
Maintenance

Separated modules allow routine inspection and service.



A practical oxygen source for factory processes.

Factories use Twin Tower PSA when oxygen demand is regular and local generation reduces supply risk.



Typical factory applications include cutting, combustion support, wastewater treatment, ozone generation and process oxygen supply.

A standard solution is easier to design, ship and maintain.

The project package can be matched to capacity while keeping a familiar system architecture.



Design

Confirm oxygen flow, purity, pressure and duty profile.



Manufacturing

Assemble generator, tanks, treatment and controls.



FAT

Check oxygen purity, pressure, alarms and operation logic.



Delivery

Pack modules for site installation and commissioning.

NEWTEK GROUP

Start your standard oxygen generation project.

For hospitals, factories and standard PSA oxygen plant projects.

Benjamin
Managing Director



WhatsApp: +86 153 3658 7300



www.newtekgas.com



LinkedIn: Benjamin Fu / NEWTEK GROUP



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