



konaircompressor.com

ALWAYS PROVIDE
THE BEST

KONNOXY OXYGEN GENERATORS



KONOXY OXYGEN GENERATORS employ the basic principle of air separation from compressed air using high performance zeolite, Molecular Sieve(MS), a material that adsorbs preferably nitrogen to leave a rich stream of oxygen. The adsorptive separation of air is effected in two main process steps.

Purification

The compressed air that's flowing to Konoxy oxygen generator dries well with +3 °C refrigerated dryer and oil carry over removes by activated carbon tower.

Adsorption

The purified compressed air separate by columns of Molecular Sieve, (MS) in Konoxy Generator. Nitrogen and other waste gases are selectively absorbed under pressure by the MS, allows pure oxygen to pass through the application. The MS is regenerated by releasing the pressure in the columns and venting the waste gases to atmosphere

Applications

Users in health sector as well as in wide range of industrial applications can cut the production costs by using the Konair Konoxy Oxygen Generators:

Hospitals and Clinics

- Filling Oxygen tubes/bundles
- Direct supply to oxygen lines

Glass and enamel industry

- Melting of glass in meltingends
- Melting of enamel in rotary drum type kilns and tank furnaces
- Heating of effluent grooves

Pulp and paper industry

- Oxygen delignification
- Feed gas for the ozone production at the ozone bleaching stage

Chemical industry

- Oxidation processes such as production of H₂O₂

Potable water supply

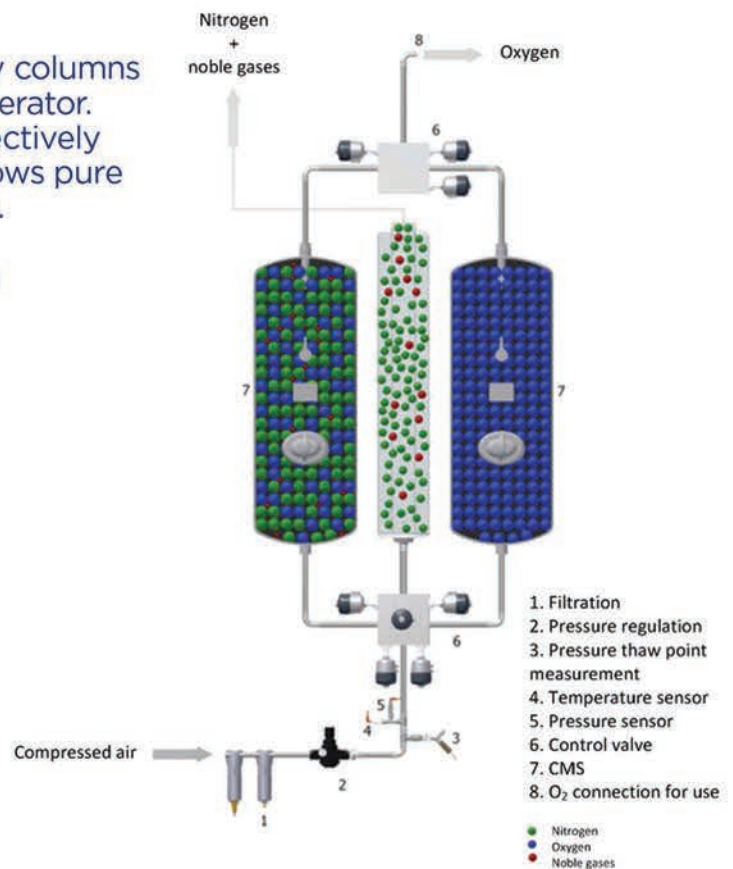
- Feed gas for ozone production for potable water treatment

Public and private wastewater treatment and waste disposal industries

- Aerobic waste water treatment
- Thermal refuse incineration

Biotechnology

- Fermentation processes



HIGH LIGHTS

CONSTRUCTION BASE

- The inlet and outlet diffusers have larger design provide easy maintenance
- The special design of silencers provide so low working noise level compare to available option.
- Modified mechanical sensor provide long working life time
- Designed for long lifetime

FUNCTION BASE

- KONOXY oxygen generators have inlet speed control, by this way system use compressed air economically and efficiently
- KONOXY oxygen generators only deliver set value of purity, the low value of purity from start up return back to system, system use returned oxygen purity for reaching quickly to set value of purity in minutes.
- KONOXY oxygen generators measure purity constantly, if purity level is lower than set value the oxygen return back conversation stage by this way we guarantee deliver of set value purity level.
- KONOXY generators have Full automation and remote control features
- Product flexibility regarding flow and purity
- Automatic turn down
- High availability and reliability

Capacities from 1 to 3000 Nm/h
Purities up to 95vol.-%

All KONOXY systems are designed for unattended operation and automatic load adjustment.

Independent and low-cost on-site production:

- Production is not affected by ambient conditions
- Low power consumption
- Minimized maintenance and operating costs

Exact purity for every application

No risk of explosion

In-house placement and production

Sound abatement:

Professional sound abatement to meet highest requirements



INNOVATION FROM KONAIR ALL IN ONE FORM

KONAIR COMPRESSOR offer KONOXY OXYGEN GENERATORS with ALL IN ONE FORM that Screw compressor, Refrigerated Air Dryer, Oxygen generator and oil free booster (for oxygen tube filling) located in same canopy:



All in one option provide safety and easy use:

- S** from transportation cost
- A** from occupied space
- V** from installation
- E** from working noise level
- &**
- E** location, one canopy for whole system
- A** start-up, press on system work
- S** control with one controller 7" from whole system
- Y** maintenance, every unit open to free space

Many years of experience in compressed air guarantee high reliability of all KONOXY systems,
We always provide the best...



ALWAYS PROVIDE
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HEADQUARTERS:



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