

## O<sub>2</sub> Compressors for Adsorption Plants

Glass industry

SIAD Macchine Impianti's offer for adsorption technology oxygen generation plants consists of a complete range of **oxygen compressors**:

- super-reliable oil-free piston type compressors, for compressing dangerous gases like oxygen
- skid mounted compressors for easy on-site assembly and start-up operations

- compact compressors specially designed for installation in adsorption technology oxygen generation plant
- linear compressors for use in end user maintenance operations
- after-sales service available 7/7
- conformity to IGC standards

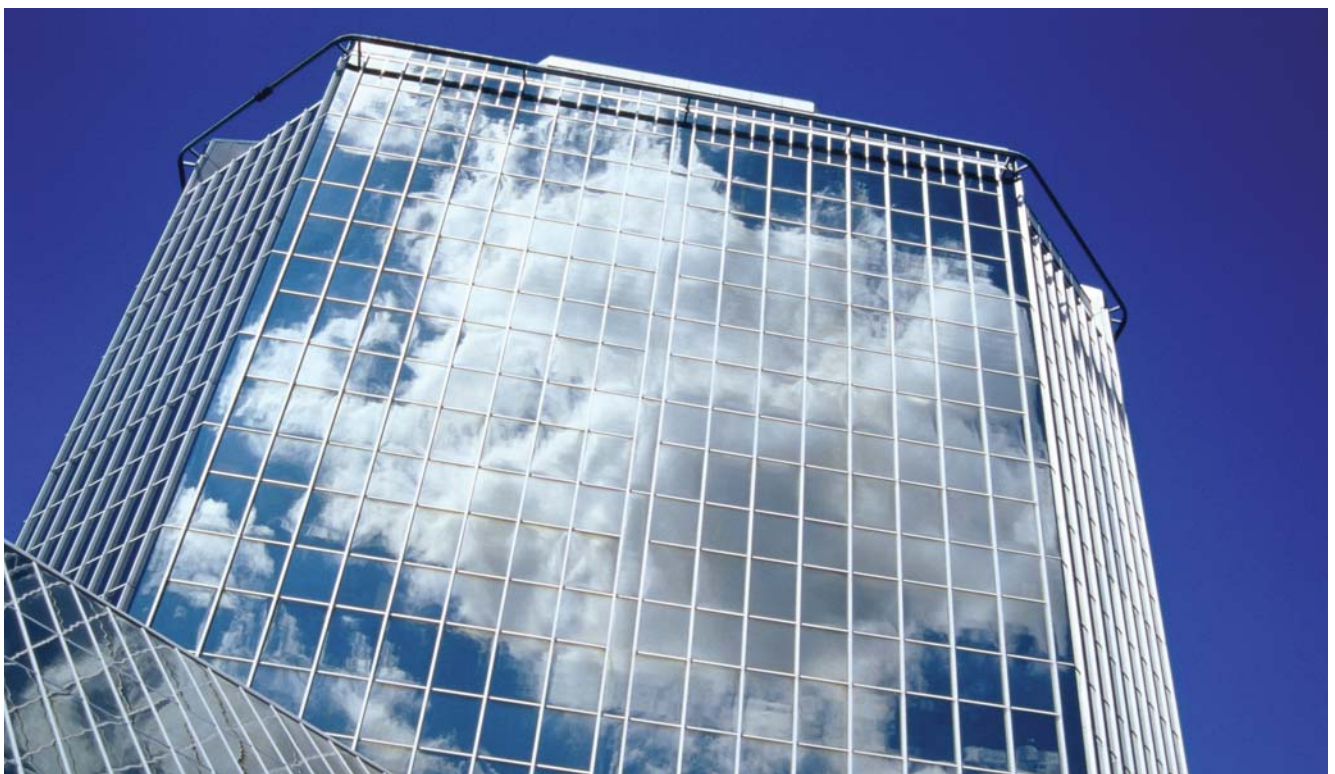


For a list of authorised service centres worldwide visit our website at [www.siadmi.com](http://www.siadmi.com)

### Oil-free piston compressors

Process data		Compressor models		
Capacity Nm <sup>3</sup> /h	Aspiration pressure min. - max bar (a)	1 stage	Number of stages 2 stages	3-4 stages
150	1,2 - 1,4	TS1-1	TS2-2	TS3-3
460	1,2 - 1,4	WS1-1	WS2-2	WS3-3
650	1,2 - 1,4	WS1-1	WS2-2	WS3-3
1 000	1,2 - 1,4	WS2-1	MS2-2	MS3-3
1 350	1,2 - 1,4	WS2-1	MS2-2	MS3-3
1 700	1,2 - 1,4	MS1-1	MS2-2	MS3-3
2 100	1,2 - 1,5	MS2-1	MS2-2	MS3-3
2 800	1,2 - 1,5	MS2-1	PS2-2	PS3-3
3 200	1,2 - 1,5	MS2-1	PS2-2	PS3-3
3 500	1,2 - 1,5	MS2-1	PS2-2	PS3-3
4 250	1,2 - 1,5	MS3-1	PS2-2	PS3-3

The compressors listed above represent only our most popular models: other models are available on request.



Oxygen compressors for adsorption technology plant are oil-free piston compressors that conform to applicable international standards on reliability and safety. SIAD Macchine Impianti's consolidated success in this field (with hundreds of compressors operating around the world) is due to the fact that the company is the only compressor manufacturer in the world that is part of a major gas industry. SIAD Macchine Impianti is also a member of EIGA, the Permanent International Technical Commission responsible for establishing the construction standards for technical gas compressors.

Reference standards: EIGA IGC 10/06/E; ASTM G94-92 (Rev. 98); BAM-BGV B7; ASTM G63-99; ASTM G128-02.

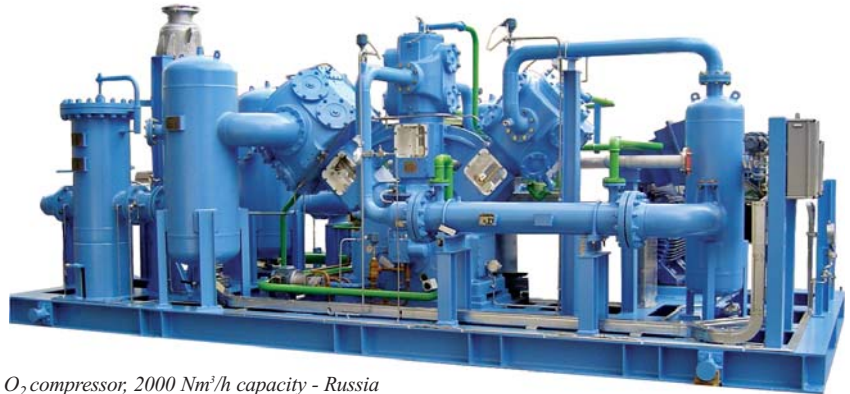
Oxygen compressors are special in the following ways:

- "Oxygen zone" construction: to satisfy the criteria for oxygen cleanliness and purity, components are assembled in a dedicated location free from contamination by dust and other pollutants
- all components are specially cleaned and degreased for use with oxygen
- all materials are fire-proof
- specific manufacturing know-how

**Technical assistance**

SIAD has hundreds of oxygen compressors in operation around the world. SIAD Macchine Impianti's offer also includes:

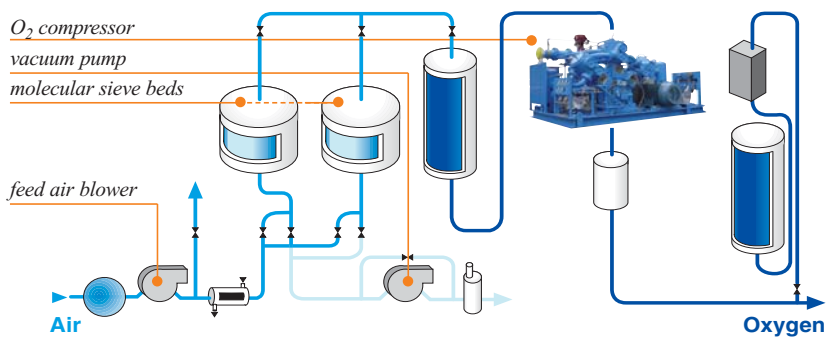
- after-sales assistance available 7/7
- network of authorised service centres on all continents
- large stock of spare parts



*O<sub>2</sub> compressor, 2000 Nm<sup>3</sup>/h capacity - Russia*



*O<sub>2</sub> compressor, 550 Nm<sup>3</sup>/h capacity - Germany*



*Flow chart for an adsorption technology oxygen generation plant*

For further information:  
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