

O₂ Compressors for Adsorption Plants

Steel 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

Oil-free piston compressors

Process data		Compressor models		
Capacity Nm³/h	Aspiration pressure min. - max bar (a)	Output pressure / Number of stages		
		4 bar (a) / 1 stage	12 bar (a) / 2 stages	31 bar (a) / 3, 4 stages
150	1,2 - 1,4	TS1/150-A1H	TS2/220-A2H	TS3/220-A3H
460	1,2 - 1,4	WS1/460-A1H	WS2/400-A2H	WS3/400-A3H
650	1,2 - 1,4	WS1/900-A1H	WS2/900-A2H	WS3/900-A3H
1.000	1,2 - 1,4	WS2/1160-A1H	MS2/1442-A2H	MS3/1442-A3H
1.350	1,2 - 1,4	WS2/1800-A1H	MS2/1502-A2H	MS3/1502-A3H
1.700	1,2 - 1,4	MS1/1502-A1H	MS2/1502-A2H	MS3/1502-A3H
2.100	1,2 - 1,5	MS2/2502-A1H	MS2/2412-A2H	MS3/1552-A3H
2.800	1,2 - 1,5	MS2/2502-A1H	2HD2	3HPX4
3.200	1,2 - 1,5	MS2/2502-A1H	2HD2	3HD4
3.500	1,2 - 1,5	MS2/2502-A1H	2HD2	3HD4
4.250	1,2 - 1,5	MS3/3502-A1H	2HD2	4HD4
5.200	1,2 - 1,5	MS3/3502-A1H	2HD4	4HD4

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:

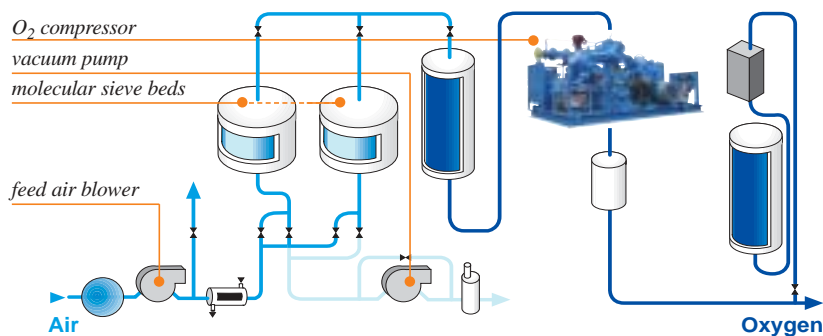
- after-sales assistance available 7/7
- network of authorised service centres on all continents
- large stock of spare parts



O₂ compressor, 2000 Nm³/h capacity - Russia



O₂ compressor, 550 Nm³/h capacity - Germany



Flow chart for an adsorption technology oxygen generation plant

COMPANY
WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
=ISO 9001:2000=

SIAD Macchine Impianti S.p.A.

Headquarters:

Via Canovine, 2/4
24126 Bergamo, Italy
Tel. +39 035 327611
Fax +39 035 316131
giuseppe.prina@siadmi.com
www.siadmi.com

China

Rm.56-57, T15-5, n°999, Ningqiao Rd.
Pudong Jinqiao Export Processing Zone
Shanghai 201206, P.R. China
Tel. +86 (0)21 50550066
Fax +86 (0)21 50318959
sales@siadmichina.com

France

Roissypole "Le Dôme"
1, rue de la Haye - BP 12910
95731 Roissy CDG Cedex, France
Tel. +33 (2) 35756843
Fax +33 (2) 35756843
m.minfray-siadmi@orange.fr