

*Reciprocating compressors
for process gases and air*

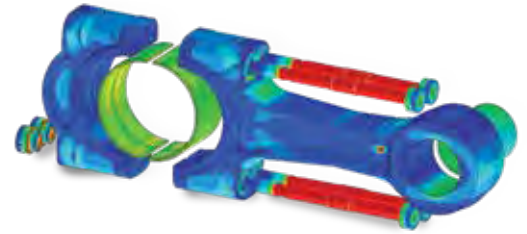


SIAD Macchine Impianti,
beyond technology

Compressor features

SIAD Macchine Impianti supplies oil-free or lubricated low and high speed reciprocating compressors for process gas and air with water or air-cooled cylinders. All the compressors are complete with electric motors, engines or turbines, air or water heat exchangers, instrumentation, electrical panels, filters and are mounted on skids or directly on foundations; in other words, ready to use.

SIAD Macchine Impianti can supply an integrated compression package design according to the Machine Directive, PED and ATEX regulations and in compliance with the API 618, ISO 13631 and EIGA standards. Compressors are designed based on customers' needs.



FEM analysis

Engineering Services

- Pulsation, acoustical, torsional, bending analysis.
- Finite elements structural verification.
- Fluid-dynamic verification.
- Fatigue calculation.
- Measurement and verification of vibration, ultrasonic, thermography, radiography.
- Chemical, physical and metal particles oil analysis.

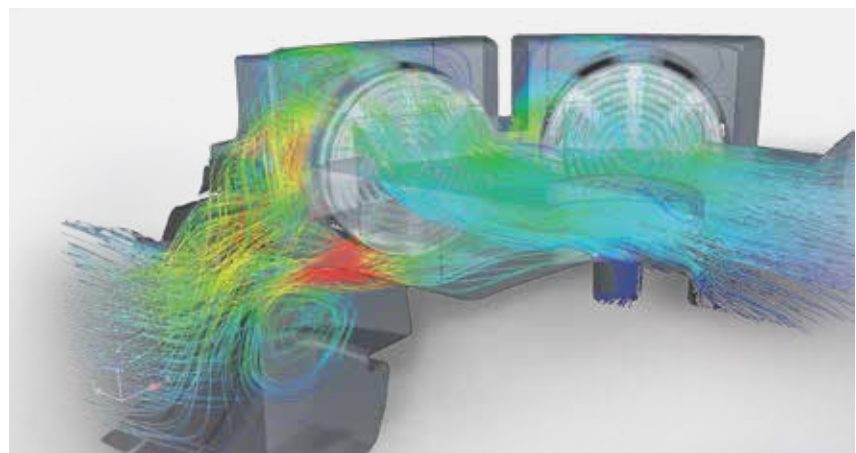
Software for Mechanical calculation

- 3D modelling, static elastic FEM analysis, infinite life fatigue analysis.
- Elastic bodies motion of the complete frame, static elasto-plastic FEM analysis.
- Multiaxial fatigue analysis with the algorithm of Dang Van or Brown - Miller - Morrow.

Computational Fluid Dynamics (CFD) Software

- The gas paths are studied by the computer with most advanced CFD software with the aim to reach at the same time a small clearance volume, for a greater volumetric efficiency, and large and well profiled passages for low pressure losses.

Over 90 years of experience in the compression of all types and mixtures of gases.



Fluid-dynamic evaluation

Compressor range

Frame	Max power kW	Max rod load N	Stroke mm	Crossheads	Stages	Min/Max speed rpm	Max cylinder bore mm	Max pressure bar (a)
I	10	6,000	50	1	1-2	300/1,200	130	100
T	75	15,000	100	1/2/3	1-5	300/1,200	220	550
W	200	45,000	100	1/2/3	1-5	300/1,200	410	550
M	525	95,000	150	1/2/3	1-5	300/750	630	550
P	1,100	133,000	215	1/2/3	1-5	300/750	800	550
HM	700	95,000	150	2/4	1-6	300/750	630	550
HP	1,400	165,000	165 - 200	2/4	1-6	300/750	800	550
HD	2,400	240,000	165 - 275	2/4	1-6	300/750	900	550
HSD	4,100	240,000	115 - 135 - 160	2/4/6	1-6	490/1,500	750	550
HSF	6,400	350,000	135 - 160 - 185	2/4/6	1-6	490/1,200	750	550
HT	8,700	625,000	290 - 340	2/4/6	1-6	300/500	1,000	550

Bare compressor

Horizontal frame (HM, HP, HD, HSD, HSF, HT)



2 throws



4 throws



6 throws

Vertical frame (I, T, W, M, P)



1 throw



2 throws



3 throws

Applications

Due to the experience and expertise of its staff, SIAD Macchine Impianti offers a complete range of compressors and advanced equipment technologies which attain even the most ambitious goals.

The main industries served are:

- Aerospace
- Agricultural
- Cement
- Chemical
- Civil
- Electrical
- Electronics
- Energy and Power Generation
- Environmental
- Food & Beverage
- FPSO
- Gas Industry
- Glass
- LNG
- Metal Production
- Mining
- Off-shore
- Oil & Gas Exploration and Production
- Petrochemical
- Pulp and paper
- Refinery
- Transportation machines
- Water Treatment and Transmission
- Welding and Metal Fabrication.

Experience in international construction and safety standards.

SPECIALITY	GAS
Comburent	Nitrous Oxide - Oxygen
Corrosive	Carbon Dioxide
Explosive	Acetylene - Butane Ethane - Ethylene Hydrogen - Methane Propylene - Hydrocarbons - Mix
Inert	Air - Argon - Freon Helium - Nitrogen
Toxic	Ammonia Carbon Monoxide

For information:
siadmi_compr@siad.eu



BOG compressor



Off-gas stabilizer

Global technical support services

Close to you,
wherever you are

- ✓ **Global presence**
Thanks to a worldwide network of owned and certified Service Centres, SIAD MI guarantee a rapid intervention to support your compressors and plants across all five continents.
- ✓ **Highly specialized technicians**
More than 100 certified technicians ensure the highest quality service assistance to customers throughout the world.
- ✓ **Constant updating and advanced technology**
SIAD MI technical staff periodically train the Service Centres through dedicated training courses which include the award of specific certifications. Thanks to the latest generation of tools, the Service Centres ensure advanced, timely and efficient assistance.
- ✓ **Continuous assistance**
SIAD MI 24/7 Global Assistance is the service that operates 24 hours a day, every day of the year, dedicated to managing the requests from SIAD MI's customers worldwide.

For information:
siadmi_support@siad.eu



CONNECTIVE COMPRESSION

All SIAD MI compressors can be continuously monitored through **SIADMI4U**, a remote monitoring and diagnostics system which enables you to view, analyze and manage, in real time, through a smartphone or PC, all the operating parameters of a compressor.

Watch the video on
YouTube



The SIAD Group

Engineering

Industrial Gases



LPG and Natural Gas

Healthcare

Industrial Gases

SIAD S.p.A.
Via San Bernardino, 92
IT-24126 BERGAMO
Tel. +39 035 328111
www.siad.com - siad@siad.eu
GPS: N 45 40.57 - E 9 39.44

AUSTRIA
SIAD Austria GmbH
Bergwerkstrasse 5
AT-5120 ST. PANTALEON
Tel. +43 (6277) 7447-0
www.siad.at - siad_austria@siad.eu
GPS: N 48 01.34 - E 12 51.36

BULGARIA
SIAD Bulgaria EOOD
4, Amsterdam str. P. O. Box 28
BG-1528 SOFIA
Tel. +359 (2) 9785636
www.siad.bg - siad@siad.bg
GPS: N 42 39.15 - E 23 24.43

CZECH REPUBLIC
SIAD Czech spol. s r.o.
Prague Office Park II - K Hájům 2606/2b
CZ-155 00 PRAGUE 5
Tel. +420 235097520
www.siad.cz - siad@siad.cz
GPS: N 50 03.21 - E 14 19.32

FRANCE
SIAD France SAS
Parc d'activité de Signes, espace Arusha
Avenue de Berlin
FR-83870 SIGNES
Tel. +33 (0) 498181463
www.siad.com - siad_france@siad.eu
GPS: N 43 25.68 - E 5 80.05

GERMANY
SIAD Germany GmbH
Ziffling 1
DE-93497 Willmering bei CHAM
Tel. +49 (0)9971 858010
www.siad.com - siad_germany@siad.eu
GPS: N 49 23.78 - E 12 67.81

HUNGARY
SIAD Hungary Kft.
Zsigmondy u. 38.
HU-3527 MISKOLC
Tel. +36 (46) 501130 - Fax +36 (46) 501131
www.siad.hu - siad_hungary@siad.eu
GPS: N 48 07.25 - E 20 48.07

POLAND
SIAD Poland sp. z o.o.
ul. Kokotek 66
PL-41-700 RUDA ŚLĄSKA
Tel. +48 32 7711650
www.siad.pl - siad@siad.pl
GPS: N 50 18.25 - E 18 51.55

ROMANIA
SIAD Romania s.r.l.
Drumul Osiei, 75-79, Sector 6
RO-062395 BUCUREȘTI
Tel. +40 (21) 3103658 - Fax +40 (21) 3149806
www.siad.ro - siad@siad.ro
GPS: N 44 26.26 - E 25 59.10

RUSSIA
LLC SIAD Rus
Bolshaya Dmitrovka street 12/1 - build 1, 3 floor
RU-107031 MOSCOW
Tel. +7 (495) 7213026
www.siad.ru - siad@siad.ru
GPS: N 55 45.41 - E 37 36.53

SLOVAKIA
SIAD Slovakia spol. s r.o.
Rožňavská č. 17
SK-831 04 BRATISLAVA
Tel. +421 (2) 44460347
www.siad.sk - siad@siad.sk
GPS: N 48 10.29 - E 17 09.47

UKRAINE
LLC SIAD Ukraine
Konstantinovskaya street, 2A
UA-04071 KIEV
Tel. +7 495 9871217

LLC Remtekhgaz
Kolomoysyevskaya street, 28
UA-50106 KRIVOY ROG
Tel. +38 093 3978017
www.rtg.com.ua

Arroweld Italia S.p.A.
Via Monte Pasubio, 137
IT-36010 ZANÈ - VI
Tel. +39 0445 804444
www.arroweld.com - arroweld@arroweld.com
GPS: N 45 43.13 - E 11 26.21

Bieffe Saldatura S.r.l.
Via Canubia, 9/1
IT-12100 MADONNA DELL'OLMO - CN
Tel. +39 0171 414711
www.bieffesaldatura.com - info@bieffesaldatura.com
GPS: N 44 25.30 - E 7 33.36

Tecnoservizi Ambientali S.r.l.
Via San Bernardino, 92
IT-24126 BERGAMO
Tel. +39 035 328111
www.tecnoserviziambientali.eu - info@tsar.com
GPS: N 45 40.57 - E 9 39.44

Roboteco S.p.A.
Via Carlinga, 43
IT-24035 CURNO - BG
Tel. +39 035 5780303
www.roboteco-italargon.it - info@roboteco-italargon.it
GPS: N 45 40.35 - E 9 36.25

Engineering

SIAD Macchine Impianti S.p.A.
Via Canovine, 2/4
IT-24126 BERGAMO
Tel. +39 035 327611
www.siadmi.com - siadmi@siadmi.eu
GPS: N 45 40.53 - E 9 39.44

SIAD Americas LLC
Engineered Equipment
2001 Timberloch Place
Suite 500
The Woodlands, TX 77380
Tel. +1 346 380 1268
www.siad-americas.com - info@siad-americas.com
GPS: N 30 15 7.4 - W 95 46 76.188

SIAD Engineering (Hangzhou) Co., Ltd.
17/F, Yizhen Business Bld., No.1 Wenyi West Rd., Xihu District
Hangzhou, 310012, Zhejiang Province, CHINA
Tel. +86 0571 85880480
www.siadmi.cn/hz - siad_cn@siadmi.eu
GPS: N 30 29 32.47 - E 120 12 43.68

SIAD Engineering Trading (Shanghai) Co., Ltd.
Rm.412, No. 5 building, No. 999 Ningqiao Rd.
Shanghai Pudong, 201206, CHINA
Tel. +86 021 50550065
www.siadmi.cn/sh - siad_cn@siadmi.eu
GPS: N 31 15.19 - E 121 37.4

SIAD Macchine Impianti Middle East F.Z.C.
Warehouse H1-03, Gate 1
P.O. Box 1248
Ajman Free Zone - UAE
Tel. +971 (0) 6 7427339
www.siadmi.com - siadmi_me@siadmi.eu
GPS: N 25 24.47 - E 55 27.12

Russian Branch of SIAD Macchine Impianti S.p.A.
Bolshaya Dmitrovka street 12/1 - build 1, 3 floor
RU-107031 MOSCOW
Tel. +7 (495) 7213026
www.siadmi.ru - siad@siad.ru
GPS: N 55 45.41 - E 37 36.53

Representative Office of SIAD Macchine Impianti S.p.A. in the Republic of Uzbekistan
Amir Temur Ave. 88A, Simurg Business Center
UZ-100084 TASHKENT
Tel. +998 712050212
www.theiadgroup.com - siadmi_uz@siadmi.eu
GPS: N 41 20.02 - E 69 17.06

SIAD Macchine Impianti S.p.A. Sucursal de España
Pl. El Cascajal, Calle Urologías 1-3
ES-28320 Pinto - MADRID
Tel. +34 673 789513
www.siadmi.com - siadmi_es@siadmi.eu
GPS: N 40 25.02 - E 3 71.31

SIAD Macchine Impianti S.p.A. Niederlassung Deutschland
Am Flughafen, 12
DE-60549 Frankfurt - GERMANY
Tel. +49 69 509589488
www.siadmi.com - siadmi_germany@siadmi.eu
GPS: N 50 05.26 - E 8 56.86

ESA S.p.A.
Via Enrico Fermi, 40
IT-24035 CURNO - BG
Tel. +39 035 6227411
www.esapyronics.com - esa@esacombustion.it
GPS: N 45 41.11 - E 9 37.19

Belgian Branch of ESA S.p.A.
Zoning Industriel, 4ème rue
BE-6040 JUMET
Tel. +32 71 256970
www.esapyronics.com - marketing@pyronics.be
GPS: N 50 27.9 - E 4 27.14

German Branch of ESA S.p.A.
Büttenberger Str. 174 A
DE-58256 ENNEPETAU
www.esapyronics.com - Klein@esapyronics.com
GPS: N 51 29.94 - E 7 32.76

ESA Manufacturing Pvt. Ltd.
Plot No. J-17, MIDC, Bhosari
IN-411 026 PUNE
Tel. +91 9822601452
www.esapyronics.com - esaIndia@esapyronics.com
GPS: N 18 63.14 - E 73 83.32

Tecno Project Industriale S.r.l.
Via Enrico Fermi, 40
IT-24035 CURNO - BG
Tel. +39 035 4551811
www.tecnoproject.com - info@tecnoproject.com
GPS: N 45 41.11 - E 9 37.19

PENTATEC S.r.l.
Via Carlinga, 43
IT-24035 CURNO - BG
Tel. +39 035 461673
www.pentatecsrl.com - commerciale@pentatecsrl.com
GPS: N 45 41.06 - E 9 37.17

Tecno Project Industrial Ltda
Rua País de Gales, 161
Dist. Ind. Bandeirantes
SALTO - SP - CEP 13.326-195 BRAZIL
Tel. +55 11 40215654
www.tecnoproject.com.br - tp@tecnoproject.com.br
GPS: S 23 11.32 - W 47 19.08

Healthcare

MEDIGAS ITALIA S.r.l.
Via Edison, 6
IT-20057 ASSAGO - MI
Tel. +39 02 4888111
www.medigas.it - info@medigas.it
GPS: N 45 24.17 - E 45 24.17

MAGALDI LIFE S.r.l.
Via Case Rosse, 19/a
IT-84131 SALERNO
Tel. +39 089 383004
www.magaldilife.it - info@magaldilife.it
GPS: N 40 38.42 - E 14 51.52

LPG, Natural Gas and Biomethane

SLOVENIA
ISTRABENZ PLINI d.o.o.
Sermín 9/a
SI-6000 KOPER
Tel. +386 5 6634600 - Fax +386 5 6634699
www.istrabenzplini.si - info@istrabenzplini.si
GPS: N 45 33.10 - E 13 45.53

PLINARNA MARIBOR d.o.o.
Plinariška ulica 9
SI-2000 MARIBOR
Tel. +386 2 2284300 - Fax +386 2 2522272
www.plinama-maribor.si - info@plinama-maribor.si
GPS: N 46 55.92 - E15 65. 71

GTG Plin d.o.o.
Bukovžlak 65b
SI-3000 CELJE
Tel. +386 (0)3 42 60 760
www.gtg-plin.com - prodaja@gtg-plin.com
GPS: N 46 24.15 - E 15 30.02

BOSNIA AND HERZEGOVINA
ISTRABENZ PLINI d.o.o.
Potkraj bb
BIH-71370 BREZA
Tel. +387 32 789300 - Fax +387 32 789302
www.istrabenzplini.ba - istrabenzplini@istrabenzplini.ba
GPS: N 44 00.17 - E 18 15.11

CROATIA
ISTRABENZ PLINI d.o.o.
Pristambile Podbok 3
HR-51222 BAKAR
Tel. +385 51 455300 - Fax +385 51 761175
www.istrabenzplini.hr - istrabenzplini@istrabenzplini.hr
GPS: N 45 17.37 - E 14 33.54

SERBIA
ISTRABENZ PLINI d.o.o.
Despota Stefana 12
RS-BEOGRAD
Tel. +381 11 3340949 - Fax +381 11 3341199
GPS: N 44 48.59 - E 20 27.47

DIME Società Agricola S.r.l.
Via San Bernardino, 92
IT-24126 BERGAMO
Tel. +39 035 328111
GPS: N 45 40.57 - E 9 39.44



SIAD Macchine Impianti S.p.A.
Società unipersonale soggetta all'attività di direzione e coordinamento di SIAD S.p.A.
IT-24126 Bergamo, Italy - Via Canovine, 2/4
Share Capital € 25,000,000 paid up
VAT and Fiscal Nr.: (IT) 00228420162
R.E.A. BG-72619 - Export: BG 006107

Telephone +39 035 327611

siadmi.com - siadmi@siadmi.eu

© 2024 SIAD Macchine Impianti S.p.A.
All rights reserved

The information contained herein is offered for use by technically qualified personnel at their discretion and risk without warranty of any kind. We regularly update our data: for updated data please visit our website siadmi.com

Printed in Italy
236.7en20240219

Follow us on LinkedIn™

