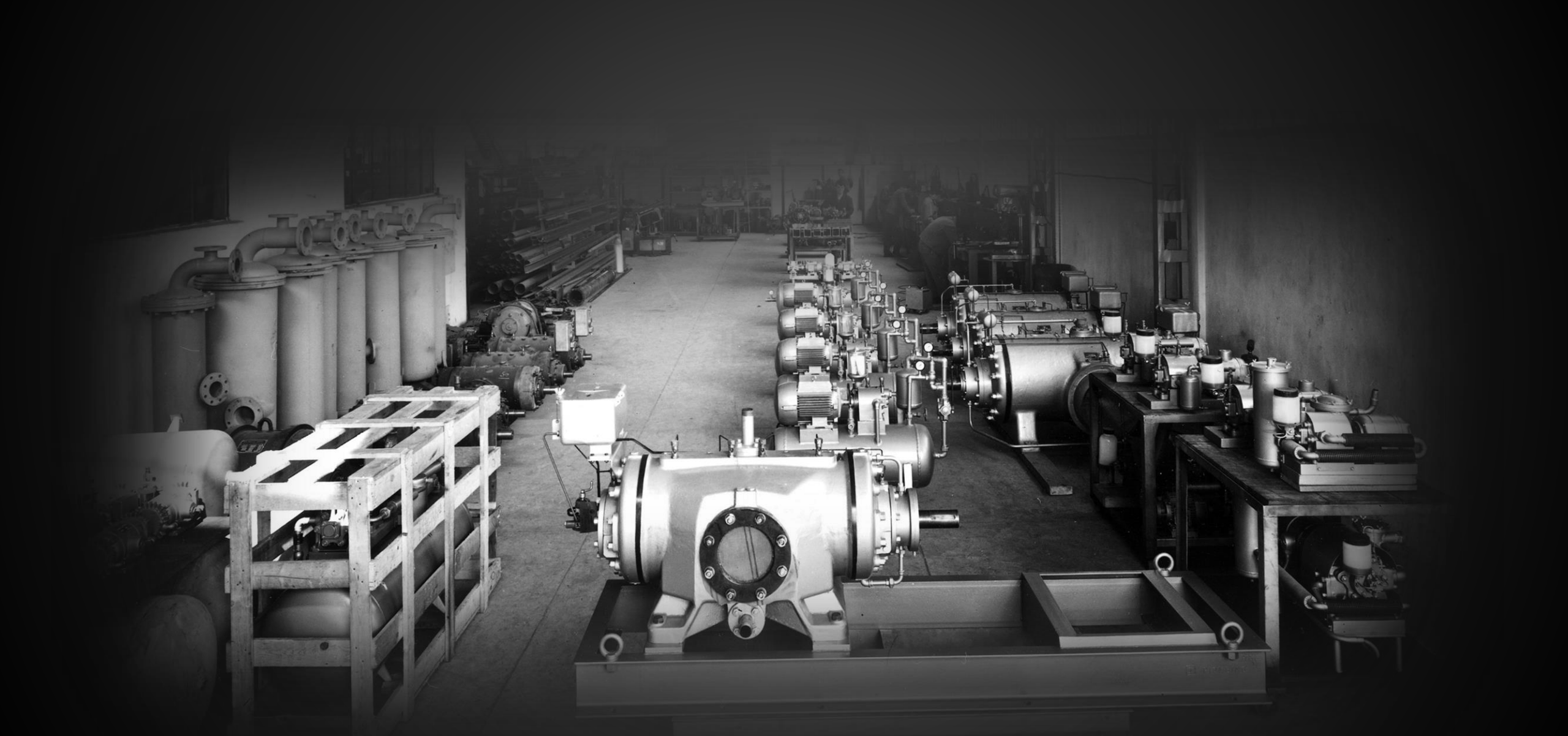


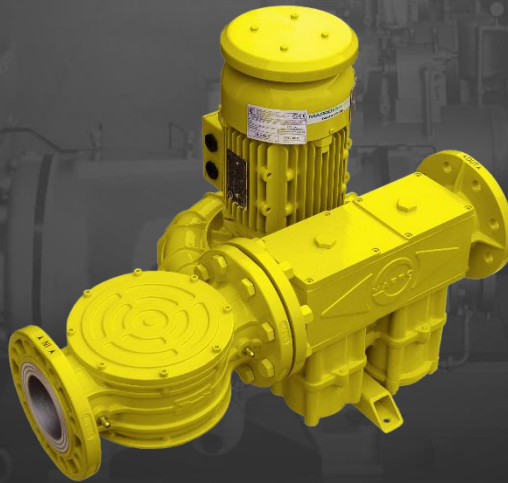


MAPRO® INTERNATIONAL S.P.A.



MAPRO® INTERNATIONAL S.P.A.

SINCE 1959 MAPRO® INTERNATIONAL S.P.A. MANUFACTURES AND EXPORTS ALL OVER THE WORLD BLOWERS AND COMPRESSORS, EXHAUSTERS AND VACUUM PUMPS HANDLING AIR, COMBUSTIBLE GASES AND INDUSTRIAL GASES



MAPRO® HISTORY

- 1959** INCORPORATION OF THE COMPANY UNDER THE NAME OF MPR ITALIANA S.P.A.
SMALL ROTARY VANE VACUUM PUMPS, OIL LUBRICATED AND OIL-FREE
- 1970** AIR-COOLED AND WATER-COOLED SLIDING VANE ROTARY COMPRESSORS, OIL LUBRICATED
- 1977** SIDE CHANNEL BLOWERS AND EXHAUSTERS
- 1989** MERGER OF MPR ITALIANA S.P.A. IN THE COMPANY MAPRO® INTERNATIONAL
- 1994** MULTISTAGE CENTRIFUGAL BLOWERS
- 2000** CERTIFICATION OF THE QUALITY MANAGEMENT SYSTEM AS PER THE ISO 9002:1994 STANDARD
- 2003** CERTIFICATION OF THE QUALITY MANAGEMENT SYSTEM AS PER THE ISO 9001:2000 STANDARD
- 2007** INCORPORATION OF THE COMPANY “MAPRO® DEUTSCHLAND GMBH” HEADQUARTERED IN DÜSSELDORF
- 2009** CERTIFICATION OF THE QUALITY MANAGEMENT SYSTEM AS PER THE ISO 9001:2008 STANDARD
- 2010** INCORPORATION OF THE COMPANY “MAPRO® FRANCE SARL” HEADQUARTERED IN PARIS
- 2013** CENTRIFUGAL FANS
- 2015** POSITIVE DISPLACEMENT BLOWERS
- 2018** CERTIFICATION OF THE QUALITY MANAGEMENT SYSTEM AS PER THE ISO 9001:2015 STANDARD
- 2019** ACQUISITION OF FOUNDRY PATTERNS , TECHNICAL DOCUMENTATION AND BRANCHMARK OF THE “MPR INDUSTRIES”



MAPRO® CERTIFICATES



CISQ is a member of

www.iqnet-certification.com

CERTIFICATO n. **1835/6**
CERTIFICATE No. _____

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

MAPRO INTERNATIONAL
Macchine Pneumatiche Rotative S.p.A.
Sede e Unità Operativa
Via E. Fermi, 3 - 20834 Nova Milanese (MB) - Italia
Direzione e uffici gestionali, di progettazione, assistenza, produzione, lavorazioni e
trattamenti speciali, collaudi per compressori rotativi, lobi rotanti, centrifughe e multistadio.
Unità Operativa
Via Vesuvio, 2 - 20834 Nova Milanese (MB) - Italia
Produzione, collaudo, assistenza e riparazioni per macchine a canale laterale aria-gas.
Via per Cinisello, snc - 20834 Nova Milanese (MB) - Italia
Magazzino prodotto finito e semilavorati, stoccaggio, imballo e spedizione.

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD

UNI EN ISO 9001:2015

Sistema di Gestione per la Qualità / Quality Management System
PER LE SEGUENTI ATTIVITÀ / FOR THE FOLLOWING ACTIVITIES
EA: 18 - 29

Progettazione, produzione, assistenza e vendita di macchine rotanti e gruppi per la compressione
e l'aspirazione di fluidi gassosi: soffianti, aspiratori, ventilatori, compressori e pompe per vuoto.
Commercializzazione di macchine per la compressione e aspirazione di fluidi gassosi.
Design, production, service and sale of rotary machines and packages to compress and evacuate
gaseous fluids: blowers, exhausters, fans, compressors and vacuum pumps. Trade of machines to
compress and evacuate gaseous fluids.

Ritorno alla conformità del cliente e al cliente per la qualità secondo le disposizioni del regolamento.
Return to the documentation of the Quality Management System for safety of application in reference documents.
Il presente certificato è oggetto di controllo del documento ICIM "Regolamento per la certificazione dei clienti e a livello schematico.
The use of the quality management system must satisfy the requirements of the ICIM document "Rules for the certification of company management system" and specific schemes.
Per altre informazioni e aggiornamenti visitate il sito web: www.maprointernational.com
a group of conditions for "Industria 4.0" (Industry 4.0) in order to meet the requirements.
For other and updated information visit our website in the certification rules referred to in this certificate.
please contact the number +39 02 73391 or email address info@maprointernational.com

Data emissione First issue 14/12/2000	Emissione corrente Current issue 16/07/2018	Data di scadenza Expiring date 15/07/2021
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ICIM S.p.A.
Piazza Don Bosco Magli, 75 - 20090 Bello San Giovanni (MI)
www.icim.it

Habilitato agli scopi di Norme
Recognized EA, SIF e SAC
Signatory of EA, SIF and SAC Mutual
Recognition Agreements

CISQ è la Federazione Italiana di Organismi di
Certificazione del Sistema di Gestione della Qualità
e della Sicurezza nel Settore Industriale e dei Servizi
e delle Infrastrutture.



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CISQ/ICIM SPA has issued an IQNet recognized certificate that the organization:

MAPRO INTERNATIONAL
Macchine Pneumatiche Rotative S.p.A.
Head Office and Operative Unit
Via E. Fermi, 3 - 20834 Nova Milanese (MB)
Operative Unit
Via Vesuvio, 2 - 20834 Nova Milanese (MB)
Via per Cinisello, snc - 20834 Nova Milanese (MB)
has implemented and maintains a
Quality Management System
for the following scope:
Design, production, service and sale of rotary machines and packages to compress and evacuate
gaseous fluids: blowers, exhausters, fans, compressors and vacuum pumps. Trade of machines to
compress and evacuate gaseous fluids.
which fulfils the requirements of the following standard:
ISO 9001:2015
Issued on: 2018-07-16
First issued on: 2000-12-14
Expires on: 2021-07-15

This attestation is directly linked to the IQNet Partner's original
certificate and shall not be used as a stand-alone document.

Registration Number: IT-18201

Alex Stoichitoiu
President of IQNET

Ing. Claudio Proveti
President of CISQ

IQNet Partners*:
AFNOR Spain AFNOR Certification France AFNOR Portugal CCC Cyprus CISQ Italy
CQC China COM China CQS Czech Republic Cst Cert Croatia DQS Holding GmbH Germany HANV Brazil
HONDA NORMA Venezuela ICONTEC Colombia Inspecta Seritificanti Oy Finland ESTECO Costa Rica
IRAM Argentina IQA Japan KQ Korea MKI TEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland
NYCE-SIGE Mexico PCB Poland Quality Austria RIK Russia RII Brazil SIO Slovenia
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St. Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

QUALITY CERTIFICATES

IQNET ISO 9001:2015

ICIM UNI EN ISO 9001:2015



MAPRO® CERTIFICATES


ICIM

Certificazione di Prodotto
Product Certification

Certificato N. **ICIM – VEX-000004-00**
Certificate No.

ALL'AZIENDA / TO THE FIRM
MAPRO INTERNATIONAL S.p.A.
Via Enrico Fermi, 3
20834 NOVA MILANESE (MB)

UNITÀ OPERATIVE / OPERATIVES UNITS
II

PER I SEGUENTI PRODOTTI / FOR THE FOLLOWING PRODUCTS

- Macchine a Canale Laterale / *Side Channel Machines*
- Ventilatori Centrifughi Monostadio / *Single Stage Centrifugal Fans*
- Soffianti Centrifughe Multistadio / *Multistage Centrifugal Blowers*

CON DENOMINAZIONE COMMERCIALE / WITH TRADE NAME/S

- Macchine a canale laterale tipo CL / *Side Channel Machines type CL*
- Ventilatori centrifughi monostadio tipo MCF / *Single Stage Centrifugal Fans MCF*
- Soffianti centrifughe multistadio tipo CM / *Multistage Centrifugal Blowers CM*

Caratteristiche: vedi Allegato / Characteristics: see Annex

CONFORMEMENTE AL DOCUMENTO NORMATIVO ICIM / IN COMPLIANCE WITH ICIM NORMATIVE DOCUMENT
Schema ICIM di certificazione / ICIM certification scheme

0453CS Schema certificazione Prodotti e componenti da utilizzare in ambienti potenzialmente esplosivi / Product certification scheme and components for use in potentially explosive atmospheres

CONFORMEMENTE ALLA NORMA / IN COMPLIANCE WITH THE STANDARDS
Vedi schema ICIM 0453CS / See certification ICIM scheme 0453CS

Il presente Certificato è da ritenersi valido solo se accompagnato dal relativo Allegato / This Certificate is valid only with the relative Annex


ICIM S.p.A.

PRIMA EMISSIONE FIRST ISSUE	EMISSIONE CORRENTE CURRENT ISSUE	DATA DI SCADENZA EXPIRING DATE
21/11/2017	21/11/2017	20/11/2020

ICIM S.p.A. - Via Enrico Fermi, 3 - 20834 NOVA MILANESE (MB)

PRODUCT CERTIFICATION
ICIM-VEX-000004-00

ICIM S.p.A. - Via Enrico Fermi, 3 - 20834 NOVA MILANESE (MB)

PRIMA EMISSIONE FIRST ISSUE	EMISSIONE CORRENTE CURRENT ISSUE	DATA DI SCADENZA EXPIRING DATE
21/11/2017	21/11/2017	20/11/2020

ICIM S.p.A. - Via Enrico Fermi, 3 - 20834 NOVA MILANESE (MB)

MAPRO® CERTIFICATES

MAPRO INTERNATIONAL S.p.A.
Via Fanti, 3
20131 NOVA MILANESE (MI) - Italy
Tel: +39 02 30630
www.mapro-int.com
info@mapro-int.com

DECLARATION OF CONFORMITY
KONFORMITÄTserklärung
according to Directive 2014/34/EU "ATEX"
gemäß Richtlinie 2014/34/EU "ATEX"

CE **Ex**

Herby declares, that the equipment driven by electric motor:
Erklärt dass folgendes Produkt mit elektrischen Motor:

TYPE
TYP

MODEL
MODELL

SERIAL NUMBER
SERIALNUMMER

YEAR OF CONSTRUCTION
HERSTELLUNGSDATUM

for which the conformity assessment procedure as per Annex VIII has been carried out, is in compliance with the Directive 2014/34/EU,
für das die Konformitäts-Festsetzungsprozedur gemäß Anhang VIII durchgeführt wurde, mit der Richtlinie 2014/34/EU übereinstimmt.

INSIDE AREA - INNERHALB
Equipment group - Produktgruppe II
Equipment category - Produktkategorie 2
Explosive atmosphere type - Typ der explosiven Zone G
Gas group - Gasgruppe IIB
Temperature class - Temperaturklasse T3
Technical file Nr. - Techn. Aktenzeichen 94/S-CM
Deposit receipt No. - Nr. Der Hinterlegungsquittung A3/040669R
Notified body - Benannte Stelle CESI S.p.A.

SURROUNDING AREA - AUßERHALB
Equipment group - Produktgruppe II
Equipment category - Produktkategorie 2
Explosive atmosphere type - Typ der explosiven Zone G
Gas group - Gasgruppe IIB
Temperature class - Temperaturklasse T3

Technical Manager - Technischer Leiter
Ing. CARMINE MADDALENA

Nova Milanese,

CESI
ISMES
IPH
FGH

CESI S.p.A.
Via Rubattino 54
I-20134 Milano - Italy
Tel: +39 02 21251
Fax: +39 02 2125440
e-mail: info@cesi.it
www.cesi.it

Schema di certificazione
CESI-ATEX

ACCREDITED
PRD N. 0189
Notified body of the
European Union for the
assessment of EX, IAF & IAC
Signatories of EA, IAF and IAC
Mutual Recognition Agreements

DELIVERY RECEIPT FOR TECHNICAL FILE **Ex**

[1] Receipt Number:
CESI A3/040631R/01

[2] Technical File Number 94/9 - CL
Dated 4/06/2003

[3] Apparatus: **SIDE CHANNEL BLOWER/EXHAUSTER type:**
CL3.6/01 - CL4/01 - CL7/01 - CL10/01 - CL15/01 - CL18/01 - CL22/01
CL28/01 - CL34/01 CL40/01 - CL46/01 - CL60/01 - CL72/01 - CL84/01 - CL98/01
CL142/01 - CL102/01 CL122/01 - CL142/01 - CL172/01 - CL202/01
CL232/01 - CL302/01 - CL362/01 - CL42/01 - CL49/01
CL20 M - CL30 M - CL40 M - CL50 M - CL60 M - CL80 M
CL220 M - CL420 M - CL520 M - CL720 M - CL820 M

[4] Manufacturer: **MAPRO INTERNATIONAL S.P.A.**
Via Enrico Fermi 3
20054 Nova Milanese (MI)

[5] CESI, notified body n. 0722, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, herewith acknowledges receipt, from the Manufacturer, of the technical documentation (Technical File).

[6] The products listed in article 8, clause 1 b ii) of the Directive 94/9/EC of the European Union Council dated March 23 1994, for which a storage receipt for the Technical File has been issued and the procedure for the internal control of production is adopted (Annex VIII of the Directive), are entitled to freely circulate in the EU countries when provided with the EC declaration of conformity and (apart from components) with the CE marking.

This DELIVERY RECEIPT states that the Technical File [3] has been delivered to CESI

[7] CESI does not make any kind of check on the completeness and correctness of the documents that are part of the Technical File.

CESI will keep the Technical File in its archives for 10 years from the date of the last manufactured apparatus. In the absence of a written communication from the manufacturer stating its interest to keep the Technical File in storage, CESI will keep the Technical File in its archives for 10 years from the issue date of this receipt.

This receipt can be reproduced only entirely and without modifications.

Date of 1st issue 17/03/2014 Date of renewal 17/03/2024

Translation issued 17th March 2014

M. B. Fiorenzo Bregani

CESI S.p.A.
Testing & Certification Division
Business Area Certification
Responsabile
F. Bregani

Revision:
- N. 00: 04/06/2003, A3/040631, first emission
- N. 01: 17/03/2014, B4007162, renewal

ATEX CERTIFICATION 2014/34/EU DIRECTIVE



MAPRO® CERTIFICATES

MAPRO INTERNATIONAL S.p.A.

Via Fenu, 3

23019 NOVA MILANESE (BS) - Italia

tel. +39 0324 380206

www.mapro.it/en

e-mail: info@mapro.it/en

Foto 2015 MAPRO International SpA e foto dei prodotti sono proprietà di MAPRO International SpA. Foto 2015 MAPRO International SpA e foto dei prodotti sono proprietà di MAPRO International SpA. Foto 2015 MAPRO International SpA e foto dei prodotti sono proprietà di MAPRO International SpA. Foto 2015 MAPRO International SpA e foto dei prodotti sono proprietà di MAPRO International SpA.

**DECLARATION OF CONFORMITY
KONFORMITÄTSERKLÄRUNG**
according to Directive 2014/34/EU "ATEX"
gemäß richtlinie 2014/34/EU "ATEX"

Hercly declares, that the equipment driven by electric motor:

Erläutert dass folgendes Produkt mit elektrischen Motor.

TYPE

TYP

MODEL

MODELL

SERIAL NUMBER

SERIENNUMMER

YEAR OF CONSTRUCTION

HERSTELLUNGSDATUM

for which the conformity assessment procedure as per Annex VIII has been carried out, is in compliance with the Directive 2014/34/EU
für das die Konformitäts-Festsetzungsprozedur gemäß Anhang VIII durchgeführt wurde, mit der Richtlinie 2014/34/EU übereinstimmt,

INSIDE AREA - INNERHALS

<i>Equipment group</i> - Produktgruppe	II
<i>Equipment category</i> - Produktkategorie	2
<i>Explosive atmosphere type</i> - Typ der explosiven Zone	G
<i>Gas group</i> - Gasgruppe	IIB
<i>Temperature class</i> - Temperaturklasse	T3
<i>Technical file No.</i> - Techn. Aktenzeichen	94/S-CM
<i>Deposit receipt No.</i> - Nr. Der Hinterlegungsuntzung	A3/040669R
<i>Notified body</i> - Benannte Stelle	CESI S.p.A.

SURROUNDING AREA - AUßERHALB

<i>Equipment group</i> - Produktgruppe	II
<i>Equipment category</i> - Produktkategorie	2
<i>Explosive atmosphere type</i> - Typ der explosiven Zone	G
<i>Gas group</i> - Gasgruppe	IIB
<i>Temperature class</i> - Temperaturklasse	T3

Technical Manager - Technischer Leiter

Ing. CARMINE MADDALENA

Nova Milanese,

ACCREDIA
CONFORME ALLA
DIRETTIVA 90/269/CEE
PER I SISTEMI DI
PROTEZIONE DEI
LAVORATORI CONTRO
GLI EFFETTI DELLE
VIBRAZIONI MECCANICHE

Per informazioni e download del Modello di certificazione ISO 9001 o ISO 14001,
il sito internet dell'Ente ACCREDITATO è visitabile su:

ICIM

Acknowledgement of Receipt of Technical Construction File *Archivierungsbescheinigung der Technischen Unterlagen*

Certificate N.
Zertifikat N.

0425 15 ATEX 2537

Dieses Zertifikat wurde in Übereinstimmung erteilt mit Art.8 Buchstabe b) i) wie vorgeschrieben von der Richtlinie 94/EC
In compliance with Article 8(b)(i) of the Directive 94/EC

NOTIFIED BODY / BENANNTE STELLE

ICIM S.p.A. - Identification number: 0425

Piazza Don Enrico Mattei, 75 - 20099 Sesto San Giovanni (MI) - ITALY

MANUFACTURER / HERSTELLER

MAPRO INTERNATIONAL S.p.A.

Via Enrico Fermi, 3

20834 NOVA MILANESE (MB)

PRODUCT DETAILS / PRODUKT

CENTRIFUGAL FAN / RADIAL VENTILATOR

PRODUCT / MODELL

MODEL / KENNZEICHNUNGEN

MCF...

CLASSIFICATION / KLASSIFIZIERUNG

II 2G c II B T3

ICIM declares the receipt of the Technical File rev.1 on 28/01/2015

ICIM bestätigt, die technischen Unterlagen rev.1 für das Archiv am 28/01/2015 erhalten zu haben.

EXTENSIONS / ERWEITERUNGEN

II

POSSIBLE CONDITIONS OF SUBORDINATION OF THE EC CERTIFICATION /
MÖGLICHE BEDINGUNGEN DER UNTERORDNUNG DER CE

II

NOTE / AUFGEBEHEN

ICIM chi non ha ricevuto le copie dei documenti tecnici dal fabbricante è responsabile per la mancata attuazione delle disposizioni della direttiva 90/269/CEE.
ICIM who has not received the copies of the technical documents from the manufacturer is responsible for the non-compliance with the provisions of the directive 90/269/CEE.

This certificate is valid only for the models above specified. Any technical change must be declared to ICIM SpA which will give information how to proceed.
Dieses Zertifikat ist nur gültig für die Modelle oben angegeben. Jede technische Änderung soll an ICIM SpA angekündigt werden und es wird angegeben wie weiter verfahren werden soll.

ICIM S.p.A.

DATA DEL RILASCIO
FIRST ISSUE

06/02/2013

ATTUALE USCITA
CURRENT ISSUE

23/02/2015

RILASCIATO
EXPIRING DATE

22/02/2025

ICIM S.p.A. - Sede unica - Piazza Don Enrico Mattei, 75 - 20099 Sesto San Giovanni (MI)

CERTIFICAZIONE

ATEX CERTIFICATION
2014/34/EU DIRECTIVE



MAPRO® CERTIFICATES

MAPRO INTERNATIONAL S.p.A.
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Tel. +39 02 581.38630
www.mapro-int.com
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+39 02 581.38630

**DECLARATION OF CONFORMITY
KONFORMITÄTserklärung**
according to Directive 2014/34/EU "ATEX"
gemäß Richtlinie 2014/34/EU "ATEX"

CE **Ex**

Herby declares, that the equipment driven by electric motor:
Erklärt dass folgendes Produkt mit elektrischen Motor:

TYPE
TYP

MODEL
MODELL

SERIAL NUMBER
SERIALNUMMER

YEAR OF CONSTRUCTION
HERSTELUNGSDATUM

for which the conformity assessment procedure as per Annex VIII has been carried out, is in compliance with the Directive 2014/34/EU,
für das die Konformitäts-Festsetzungsprozedur gemäß Anhang VIII durchgeführt wurde, mit der Richtlinie 2014/34/EU übereinstimmt.

INSIDE AREA - INNERHALB
Equipment group - Produktgruppe II
Equipment category - Produktkategorie 2
Explosive atmosphere type - Typ der explosiven Zone G
Gas group - Gasgruppe IIB
Temperature class - Temperaturklasse T3
Technical file Nr. - Techn. Aktenzeichen 94/S-CM
Deposit receipt No. - Nr. Der Hinterlegungsquittung A3/040669R
Notified body - Benannte Stelle CESI S.p.A.

SURROUNDING AREA - AUßERHALB
Equipment group - Produktgruppe II
Equipment category - Produktkategorie 2
Explosive atmosphere type - Typ der explosiven Zone G
Gas group - Gasgruppe IIB
Temperature class - Temperaturklasse T3

Technical Manager - Technischr Leiter
Ing. CARMINE MADDALENA

Nova Milanese,

PASCAL CERTIFICATO DI CONFORMITA' CONFORMITY CERTIFICATE
N. 0478 - 97/23/CE - A1

Consortio PASCAL S.r.l. a socio unico, quale Organismo Notificato n. 1115
Consortio PASCAL S.r.l. a socio unico, acting as Notified Body n. 1115

**AUTORIZZA
AUTHORIZES**

**FABBRICANTE
MANUFACTURER** **MAPRO INTERNATIONAL s.p.a.**
Via E. Fermi, 3 20834 Nova Milanese (MI) ITALIA

In accordo alle disposizioni dell'Allegato III, Modulo A1 della Direttiva 97/23/CE
according to the requirements of Annex III, Module A1 of the Pressure Equipment Directive 97/23/EC
ad apporre, sui prodotti di seguito specificati, il marchio
to provide the above mentioned products, the mark **CE 1115**

**INSIEME
ASSEMBLY** **Compressori rotativi a palette - Famiglie R-RF-RFL-RC-G**
Sliding vane rotary compressors - R-RF-RFL-RC-G Type

Fascicolo Tecnico
Technical File **PASCAL N. 04941**
Disegni
Drawing **Vedere sezione B del Fascicolo Tecnico**
See technical file section B
Rapporti di valutazione
Evaluation Reports **085_RIS_2015_03_18**

**LIMITI ESSENZIALI AMMISSIBILI
ESSENTIAL ALLOWABLE LIMITS**

PS (bar g)	Max. 2,8
TS min/max (°C)	+20 / +150
Volume (L)/DN	n.s.
Fluido Fluid	Biogas
Gruppo Fluido (ex. 13 Dir. 2014/68/UE) Fluid Group (ex. 13 Dir. 2014/68/UE)	1
Categoria di Rischio Risk Category	Max. II

**ELENCO ATTREZZATURE
COSTITUENTI L'INSIEME
EQUIPMENT LIST**
Come da doc. "elenco delle attrezzature in pressione costituenti l'insieme e individuazione della categoria"
As per doc. "elenco delle attrezzature in pressione costituenti l'insieme e individuazione della categoria"

**ACCESSORI DI SICUREZZA
SAFETY DEVICES**
Come da doc. "Dispositivi di protezione impiegati"
As per doc. "Dispositivi di protezione impiegati"

**CONDIZIONI DI VALIDITA'
VALIDITY TERMS AND CONDITIONS**
L'averesso certificato deve ritenersi nullo ed i fabbricanti se ne assumono tutte le conseguenze dal suo indebito utilizzo, in caso di modifiche che influiscano la conformità ai requisiti essenziali di sicurezza e, in generale, se il fabbricante non rispetta tutti e nessuno degli obblighi e sui sensi previsti dalla direttiva 97/23/CE, come recepita dalla legislazione nazionale vigente.
This certificate shall be deemed to be void in the Manufacturer shall alone bear any consequences pursuant to its use, in case of modifications where these may effect conformity to the essential safety requirements, and generally, where the Manufacturer fails to comply with each and every of his obligations under directive 97/23/CE, as transposed in the applicable national laws.

ACCREDITA
PRIMA EMISSIONE
First issue
31/07/2015
EMISSIONE CORRENTE
Current issue
31/07/2015
DATA DI SCADENZA
Expiring date
30/07/2018

PASCAL
Consortio PASCAL S.r.l.
Via E. Fermi, 3 - 20834 Nova Milanese (MI) Italia
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www.consortiopascal.it

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PED CERTIFICATION
2014/68/EU DIRECTIVE

MAPRO® CERTIFICATES

ТАМОЖЕННЫЙ СОЮЗ

EAC

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ ТС RU C-IT.ГБ08.B.01172

Серия RU № 0283784

ОРГАН ПО СЕРТИФИКАЦИИ ВЗРЫВООПАСНОГО ОБОРУДОВАНИЯ ЗАО ИСПЫТАТЕЛЬНОГО ЦЕНТРА ТЕХНИЧЕСКИХ ИЗМЕРЕНИЙ, БЕЗОПАСНОСТИ И РАЗРАБОТОК (ОС ВО ЗАО ТИЕР), аттестат аккредитации № РОСС RU 0001.1ПБ08, срок действия с 15.06.2011 по 15.06.2016, выдан Федеральным Агентством по техническому регулированию и метрологии. Адрес: 105082, город Москва, улица Фридриха Энгельса, дом 75, строение 11, офис 204, Россия (юридический адрес); 301760, Тульская область, город Донской, улица Горькопассажная, дом 1, строение А, Россия (фактический адрес). Телефон/факс: (48746) 5-59-53, адрес электронной почты: pnv@tiher.ru

ЗАЯВИТЕЛЬ ООО «БЛМ Синергия», ОГРН 1067758765733.
Адрес: 107076, город Москва, Колодезный переулок, дом 3, строение 26, офис 212, Россия.
Телефон: +74957813939, факс: +74957813591, адрес электронной почты: info@blms.ru

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ПРОДУКЦИЯ Вихревые нагнетатели (газодувки) серии CL взрывозащитные устройства согласно Приложению, бланки №№ 0220086, 0220087).
Серийный выпуск.

КОД ТН ВЭД ТС 8414 80 800 9

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ Технического регламента Таможенного союза «О безопасности оборудования для работы во взрывоопасных средах» (ТР ТС 012/2011).

СЕРТИФИКАТ ВЫДАН НА ОСНОВАНИИ Протокол испытаний № 1121/1054-Ex от 23.06.2015, ИЛ ВО ЗАО ТИЕР, номер аттестата аккредитации РОСС RU.0001.2ПБ08 от 15.06.2011 по 15.06.2016. Адрес: 301760, Тульская область, город Донской, улица Горькопассажная, дом 1, строение А, Россия. Акт анализа состояния производства изготовителя № 1054/АСП от 16.07.2015.

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Схема оценки (подтверждения) соответствия 1с. Условия и сроки хранения, срок службы согласно сопроводительной технической документации изготовителя. Сертификат действителен только с приложением (бланки №№ 0220084, 0220085, 0220086, 0220087).

СРОК ДЕЙСТВИЯ С 20.07.2015 **ПО** 19.07.2020 **ВКЛЮЧИТЕЛЬНО**

М.П. Руководитель (уполномоченное лицо) органа по сертификации: *М.В. Пономарев*
Эксперт (эксперт-аудитор) (эксперты (эксперты-аудиторы)): *А.А. Ермаков*

EAC CERTIFICATION
TC RU C-IT.ГБ08.B.01172



И.П. (эксперт (эксперт-аудитор))
Эксперт (эксперт-аудитор)
И.П. (эксперт (эксперт-аудитор))

И.П. (эксперт (эксперт-аудитор))
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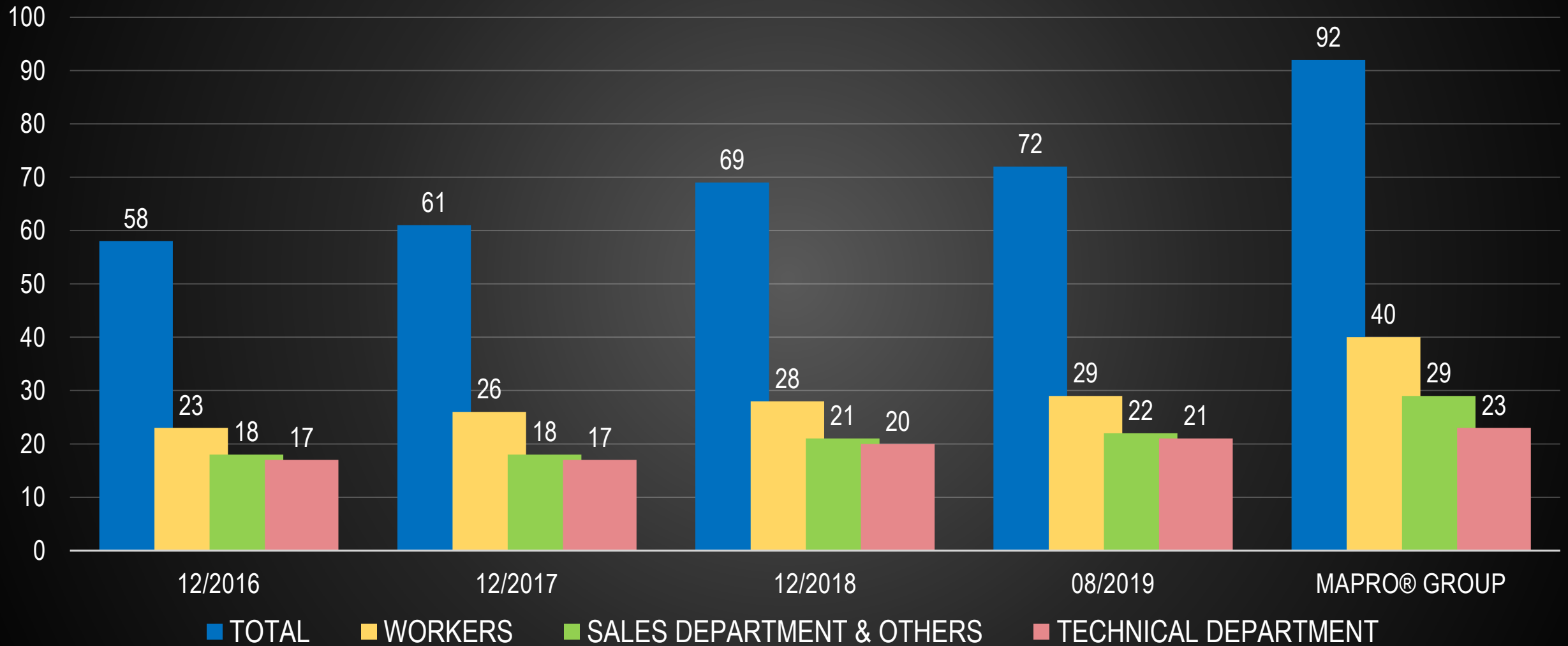
CM
R/RF/RFL
TBT

CL
TBTM

MCF
ML

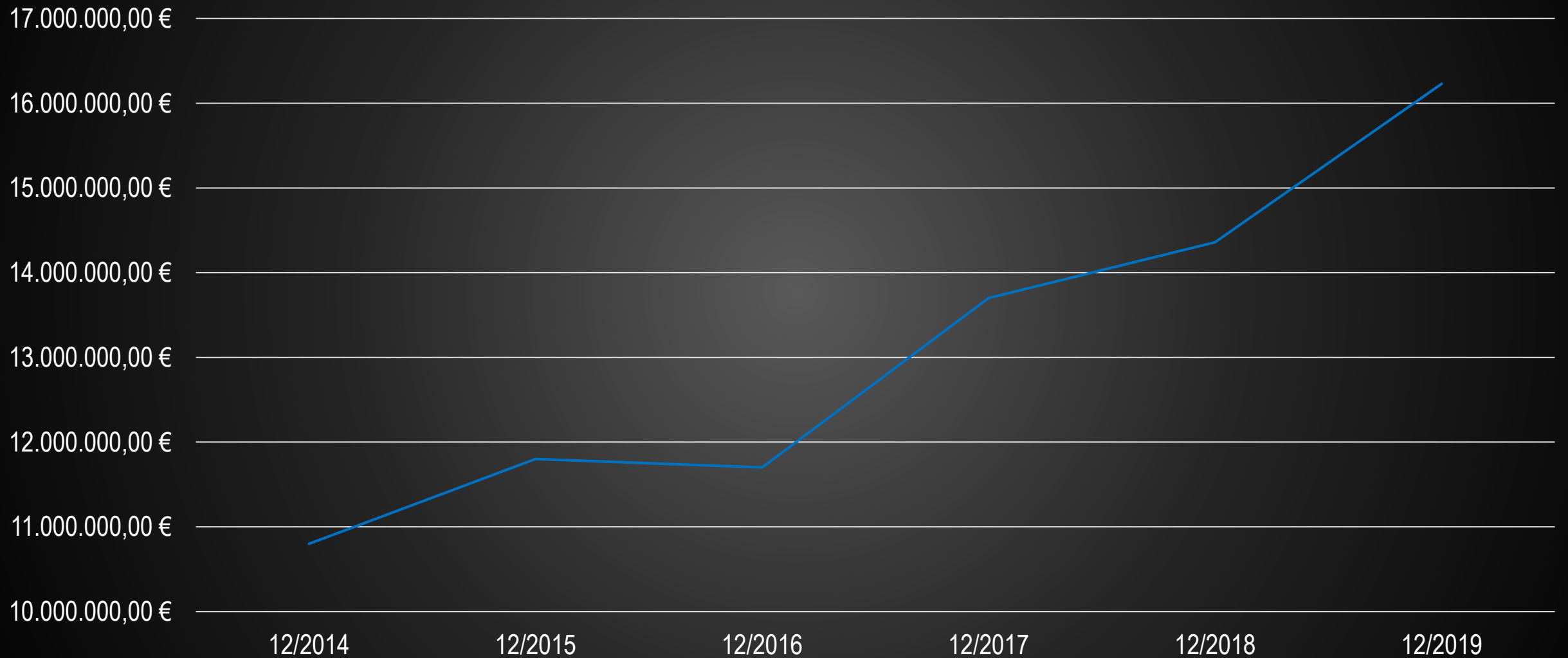
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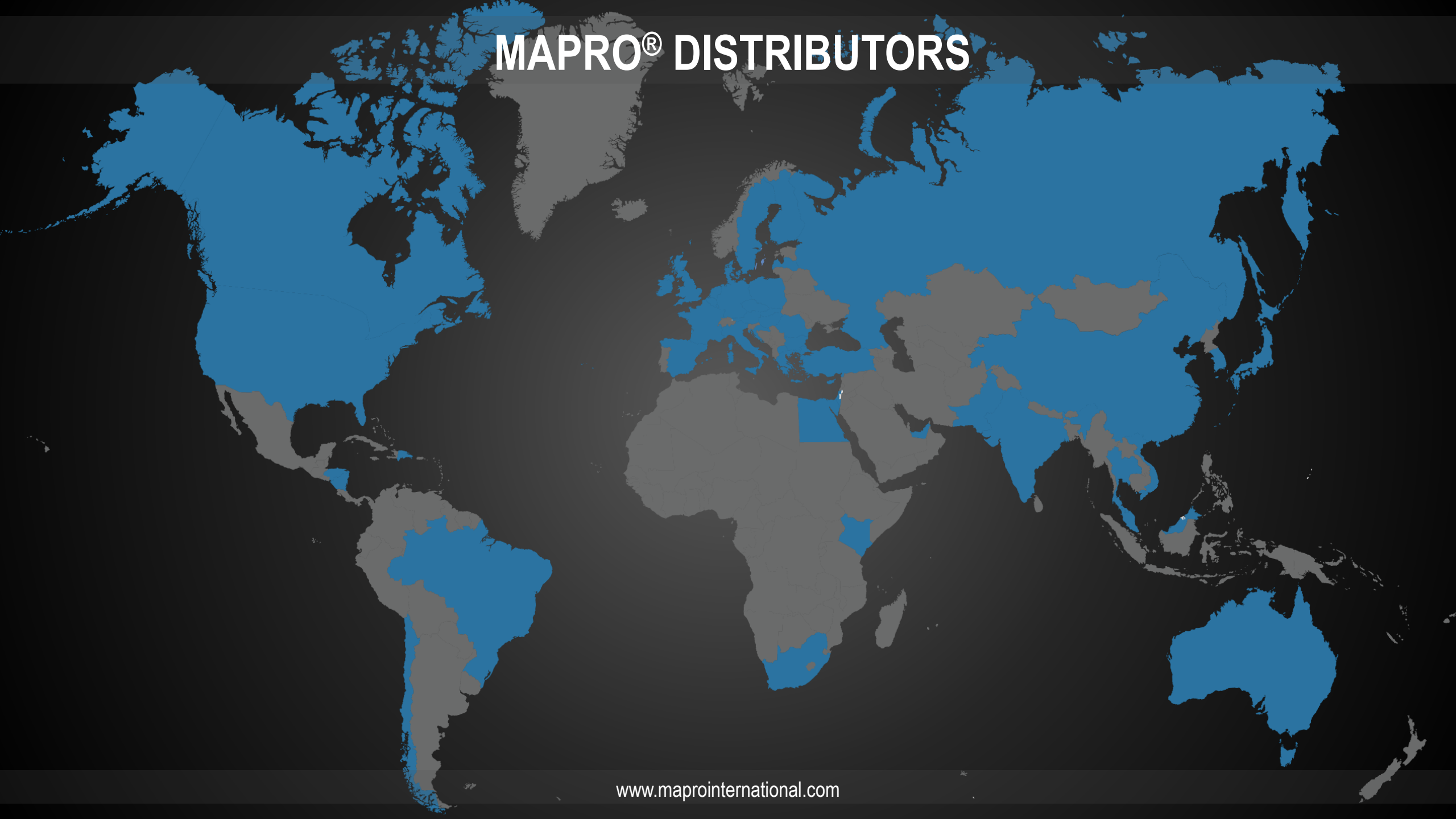


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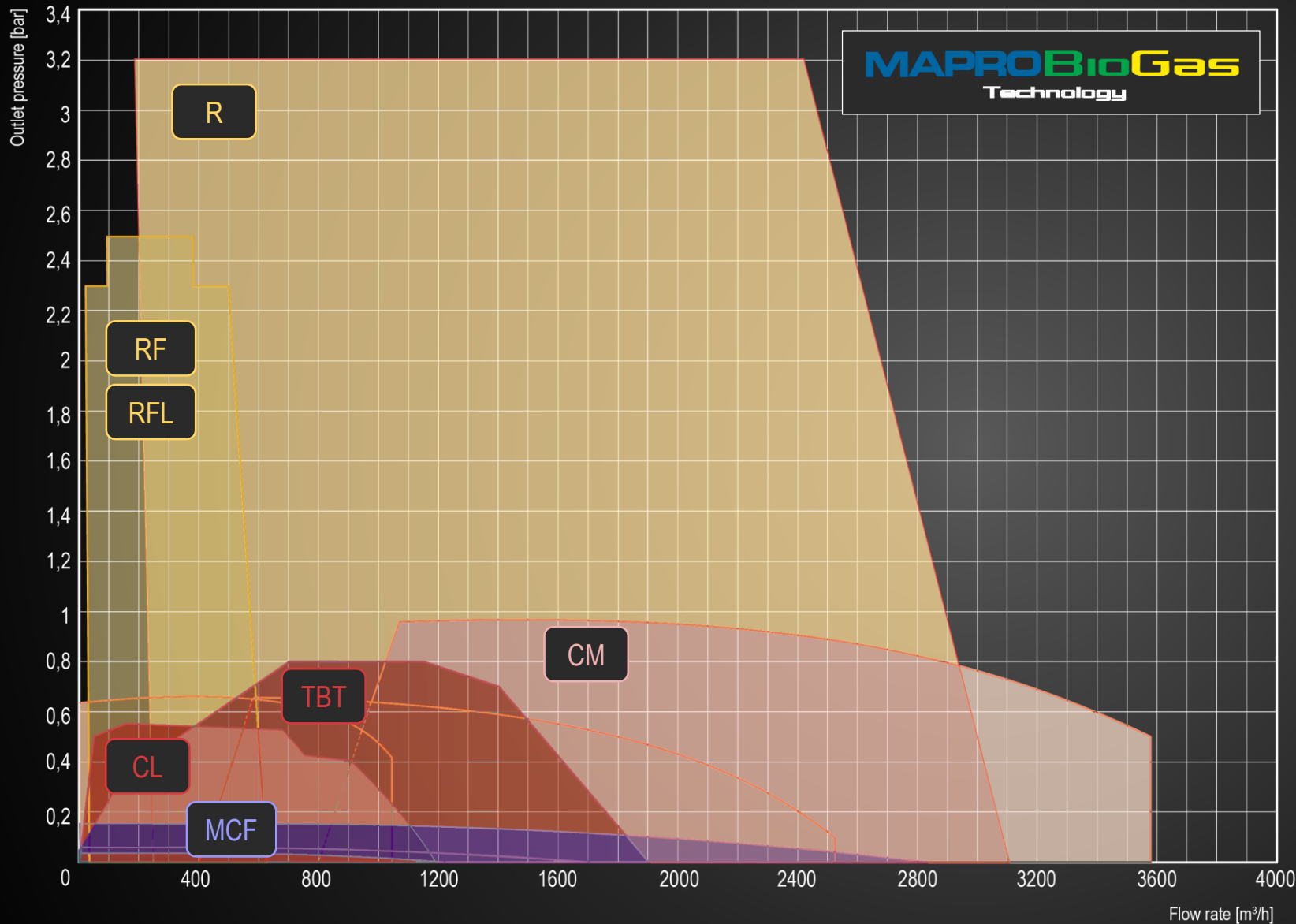
3 AFRICA

EGYPT, KENYA, SOUTH AFRICA

1 OCEANIA

AUSTRALIA

MAPRO® PRODUCT FOR GAS

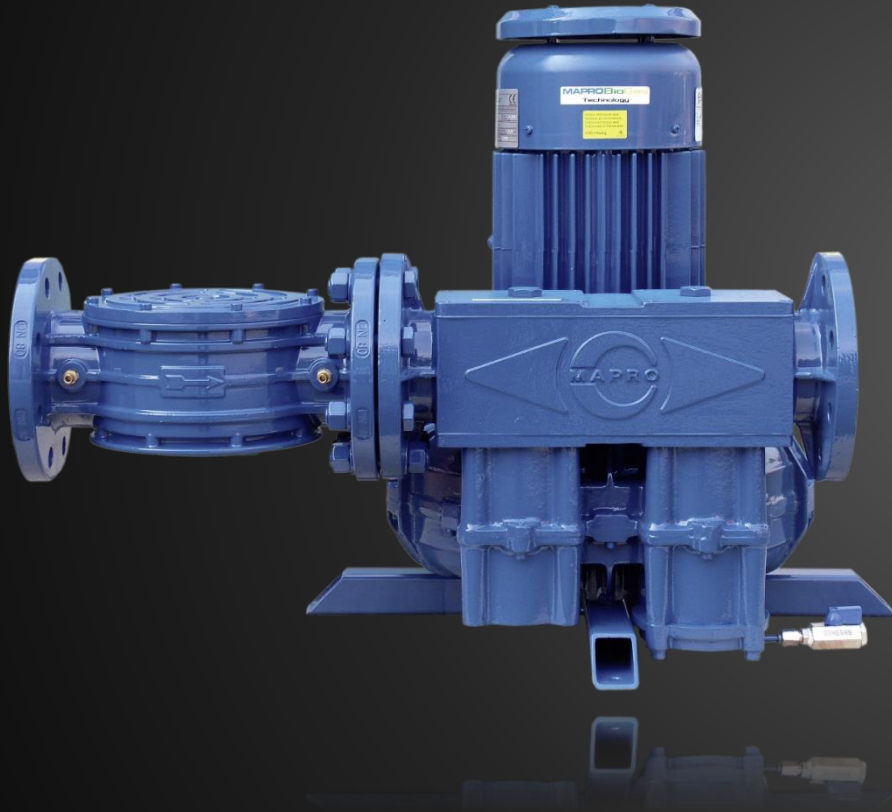


- CL** SIDE CHANNEL BLOWERS AND EXHAUSTERS
- TBT** PHERIPHERAL BLOWERS AND EXHAUSTERS
- CM** MULTISTAGE CENTRIFUGAL BLOWERS
- MCF** CENTRIFUGAL FANS
- RF** SLIDING VANE ROTARY
- RFL** COMPRESSORS AND VACUUM
- R** PUMPS

PRESSURE: 0 – 3,2 barg
FLOW RATE: 0 – 3600 m³/h
POWER SUPPLY: 0,25 – 250 kW

MAPRO® SIDE CHANNEL BLOWERS AND EXHAUSTERS

PERFORMANCE



PRESSURE:	0 – 500 mbarg
FLOW RATE:	0 – 940 m ³ /h
POWER SUPPLY:	0,25 – 18,5 kW

MAPRO® SIDE CHANNEL BLOWERS AND EXHAUSTERS

AVAILABLE CONFIGURATIONS FOR GAS



CLOSE COUPLED GAS VERSION WITH
ELBOWS, INLET FILTER AND
CONDENSATE MANUAL DRAIN VALVE



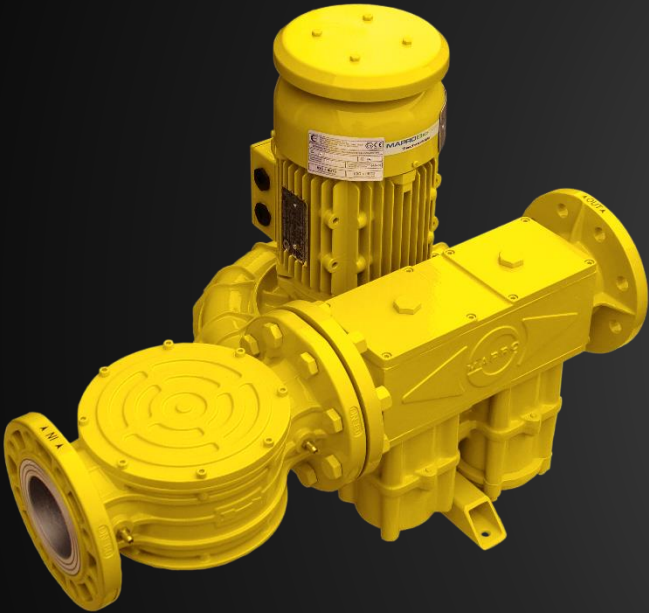
ELASTIC COUPLING GAS VERSION WITH
ELBOWS, INLET FILTER, OVERPRESSURE
VALVE AND SAFETY SWITCHES



ELASTIC COUPLING GAS VERSION WITH
ELBOWS, HUB AND INLET FILTER

MAPRO® SIDE CHANNEL BLOWERS AND EXHAUSTERS

AVAILABLE CONFIGURATIONS FOR GAS



CLOSE COUPLED GAS VERSION WITH
BYPASS, INLET FILTER AND CONDENSATE
MANUAL DRAIN VALVE



ELASTIC COUPLING GAS VERSION WITH
ELBOWS, INLET FILTER, AND SAFETY
SWITCHES



ELASTIC COUPLING GAS VERSION WITH
PIPING, AIR COOLER AND SAFETY
DEVICES (SPECIAL VERSION)

MAPRO® SIDE CHANNEL BLOWERS AND EXHAUSTERS

MAIN APPLICATIONS



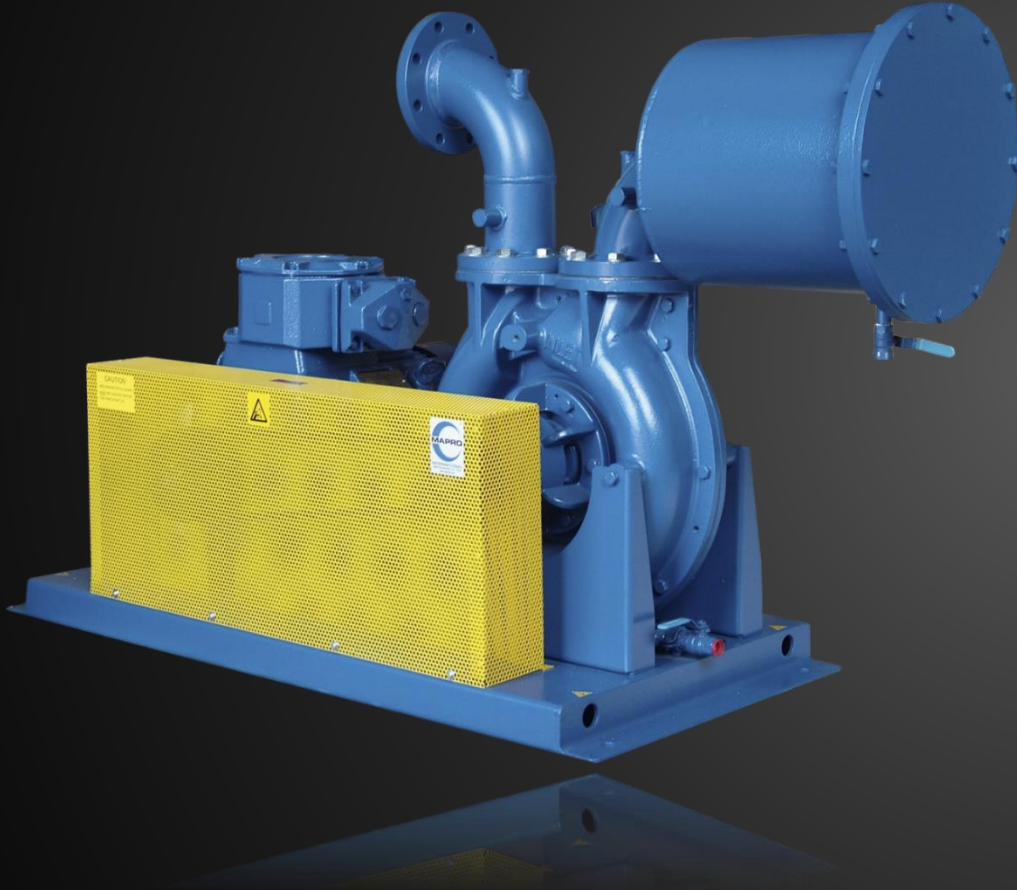
MAPRO® SIDE CHANNEL BLOWERS AND EXHAUSTERS

MAIN APPLICATIONS



MAPRO® PHERIPHERAL TBT BLOWER AND EXHAUSTER

PERFORMANCE



PRESSURE:	0 – 800 mbarg
FLOW RATE:	235 – 1940 m ³ /h
POWER SUPPLY:	5,5 – 75 kW

MAPRO® PHERIPHERAL TBT BLOWER AND EXHAUSTER

AVAILABLE CONFIGURATION FOR GAS



BELT-DRIVE VERSION WITH INLET FILTER



ELASTIC COUPLING VERSION WITH INLET
FILTER

MAPRO® PHERIPHERAL TBT BLOWER AND EXHAUSTER

MAIN APPLICATIONS



MAPRO® PHERIPHERAL TBT BLOWER AND EXHAUSTER

MAIN APPLICATIONS



MAPRO® CENTRIFUGAL FANS

PERFORMANCE



PRESSURE:	0 – 160 mbarg
FLOW RATE:	0 – 2810 m ³ /h
POWER SUPPLY:	1,5 – 18,5 kW

MAPRO® CENTRIFUGAL FANS

AVAILABLE CONFIGURATIONS FOR GAS



CLOSE COUPLED VERSION



BELT-DRIVE VERSION



MAPRO® CENTRIFUGAL FANS

MAIN APPLICATIONS



MAPRO® MULTISTAGE CENTRIFUGAL BLOWERS AND EXHAUSTERS

PERFORMANCE



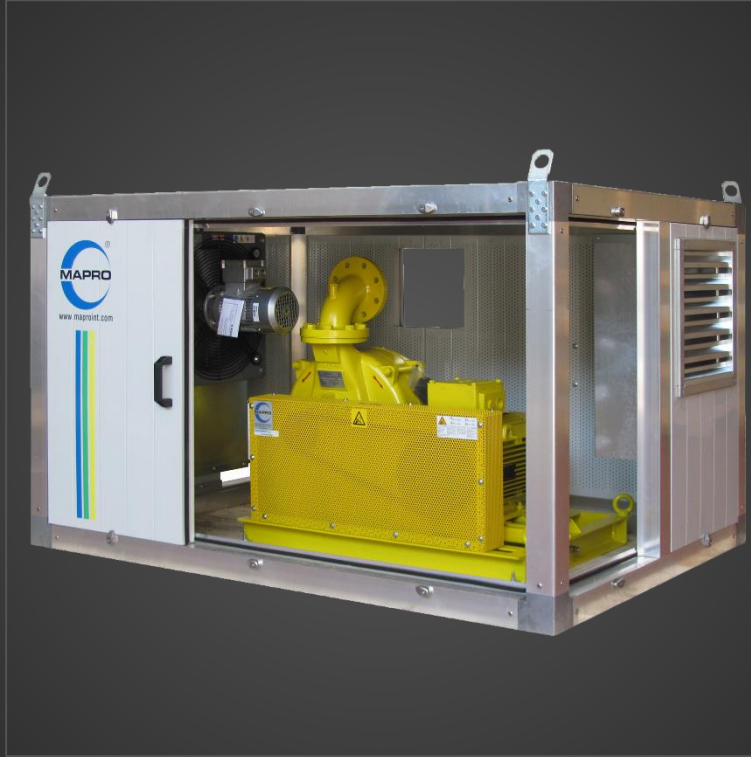
PRESSURE:	0 – 890 mbarg
FLOW RATE:	0 – 3600 m ³ /h
POWER SUPPLY:	3 – 90 kW

MAPRO® MULTISTAGE CENTRIFUGAL BLOWERS AND EXHAUSTERS

AVAILABLE CONFIGURATIONS FOR GAS



BELT-DRIVE VERSION WITH INLET FILTER,
HORIZONTAL OUTLET AND SAFETY
DEVICES



BELT-DRIVE VERSION WITH HORIZONTAL
OUTLET AND ACOUSTIC ENCLOSURE



STANDARD BELT-DRIVE VERSION

MAPRO® MULTISTAGE CENTRIFUGAL BLOWERS AND EXHAUSTERS

MAIN APPLICATIONS



MAPRO® SLIDING VANE ROTARY COMPRESSORS AND VACUUM PUMPS

PERFORMANCE



PRESSURE:	0,5 – 3,2 barg
FLOW RATE:	33 – 2880 m ³ /h
POWER SUPPLY:	1,5 – 250 kW

MAPRO® SLIDING VANE ROTARY COMPRESSORS AND VACUUM PUMPS

AVAILABLE CONFIGURATIONS FOR GAS



WATER COOLED VERSION «R» SERIES



AIR COOLED VERSION «RF» AND «RFL»
SERIES



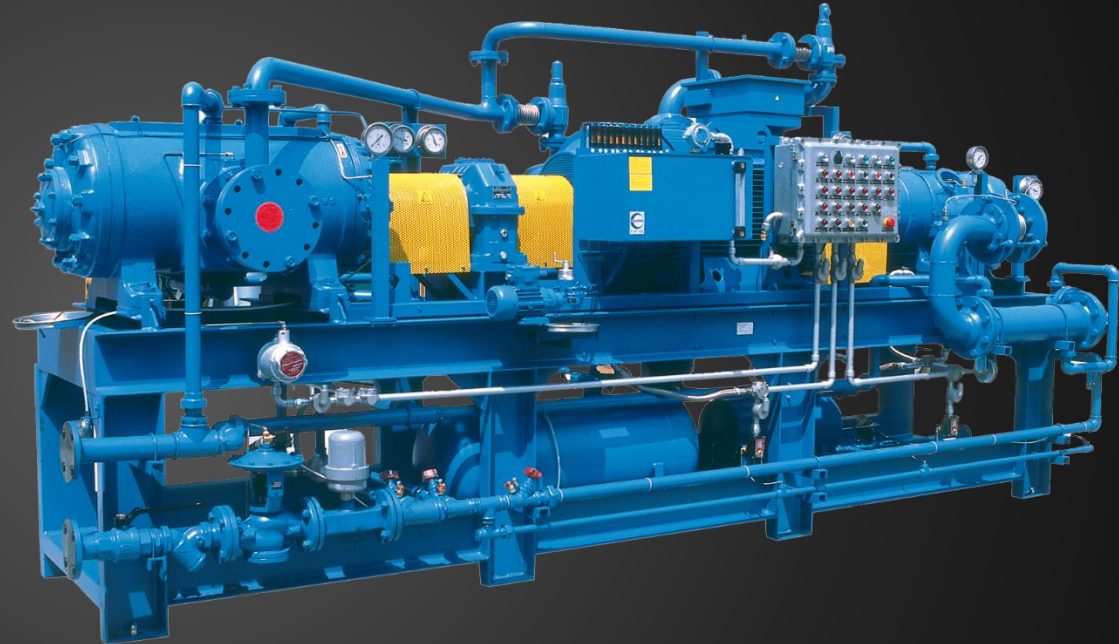
VERSION WITH SPECIAL ACOUSTIC
ENCLOSURE

MAPRO® SLIDING VANE ROTARY COMPRESSORS AND VACUUM PUMPS

AVAILABLE CONFIGURATIONS FOR GAS



WATER COOLED VERSION «R» SERIES
WITH ELECTRIC CONTROL PANEL



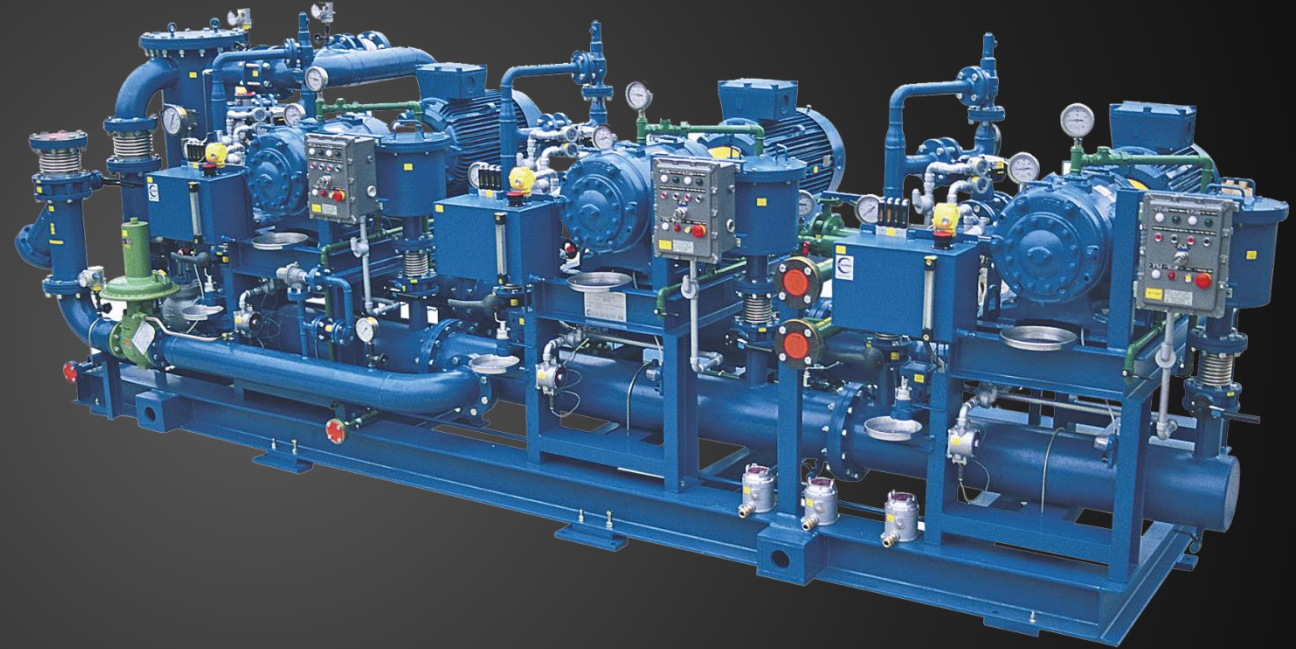
WATER COOLED VERSION «R» SERIES SPECIAL DOUBLE-STAGE VERSION

MAPRO® SLIDING VANE ROTARY COMPRESSORS AND VACUUM PUMPS

AVAILABLE CONFIGURATIONS FOR GAS



AIR COOLED VERSION «RFL» SERIES
WITH STANDARD ACOUSTIC ENCLOSURE



WATER COOLED VERSION «R» SERIES SPECIAL VERSION

MAPRO® SLIDING VANE ROTARY COMPRESSORS AND VACUUM PUMPS

AVAILABLE CONFIGURATIONS FOR GAS



WATER COOLED VERSION «P» SERIES (MPR INDUSTRIES LAYOUT)

MAPRO® SLIDING VANE ROTARY COMPRESSORS AND VACUUM PUMPS

MAIN APPLICATIONS

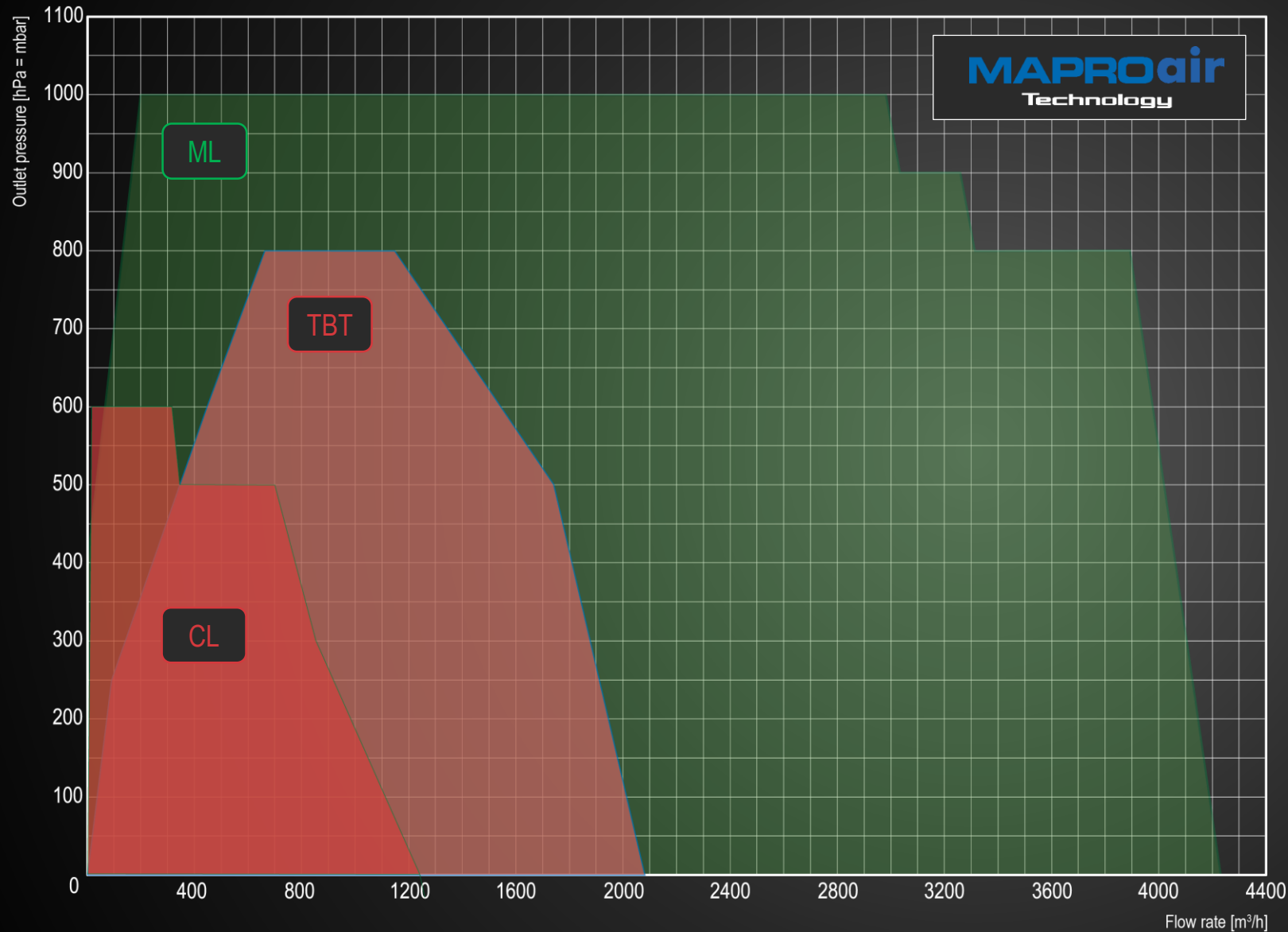


MAPRO® SLIDING VANE ROTARY COMPRESSORS AND VACUUM PUMPS

MAIN APPLICATIONS



MAPRO[®] PRODUCT FOR AIR

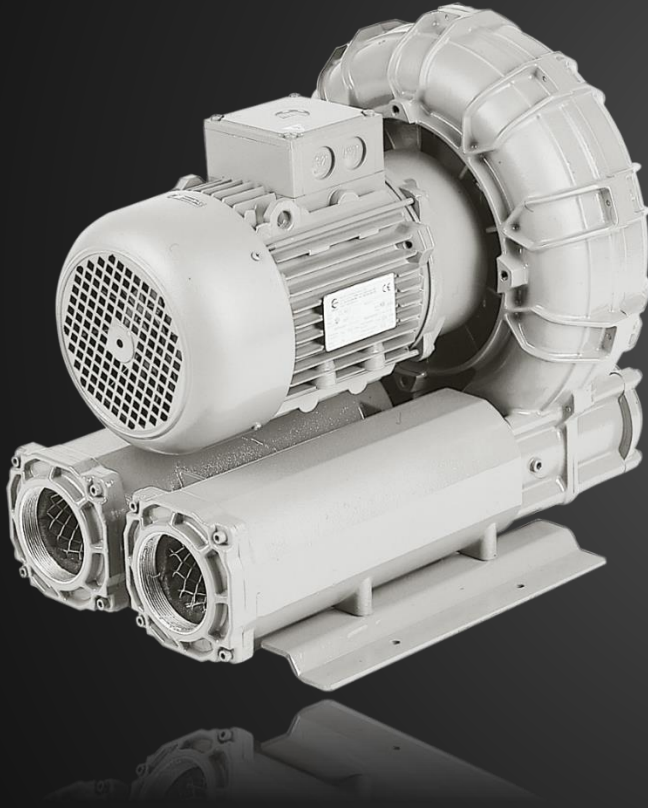


- CL SIDE CHANNEL BLOWERS AND EXHAUSTERS
- TBT PHERIPHERAL BLOWERS AND EXHAUSTERS
- ML POSITIVE DISPLACEMENT BLOWERS

PRESSURE: 0 – 1000 barg
FLOW RATE: 0 – 4218 m³/h
POWER SUPPLY: 0,25 – 132 kW

MAPRO® SIDE CHANNEL BLOWERS AND EXHAUSTERS

PERFORMANCE



PRESSURE:	3 – 1162 mbarg
FLOW RATE:	0 – 650 m ³ /h
POWER SUPPLY:	0,25 – 18,5 kW

MAPRO® SIDE CHANNEL BLOWERS AND EXHAUSTERS

AVAILABLE CONFIGURATIONS FOR AIR



CLOSE COUPLED AIR VERSION WITH
INLET FILTER, NON RETURN VALVE AND
THREADED HORIZONTAL CONNECTION



CLOSE COUPLED AIR VERSION WITH
INLET SILENCER AND OUTLET THREADED
VERTICAL CONNECTIONS



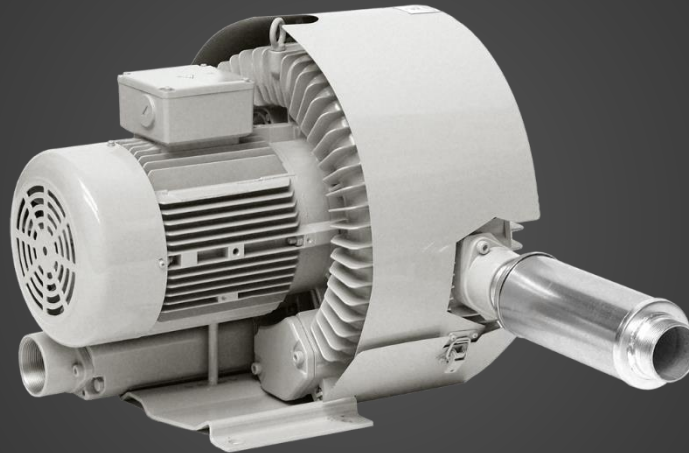
ELASTIC COUPLING AIR VERSION WITH
HUB AND THREADED VERTICAL
CONNECTIONS

MAPRO® SIDE CHANNEL BLOWERS AND EXHAUSTERS

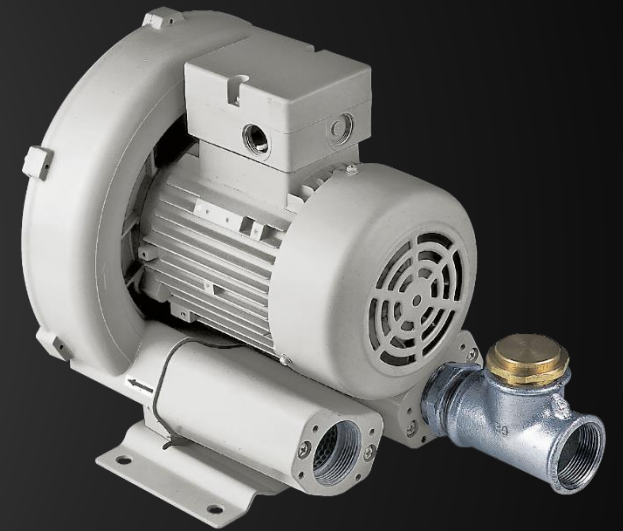
AVAILABLE CONFIGURATIONS FOR AIR



CLOSE COUPLED AIR VERSION WITH
INLET FILTER FOR EXHAUSTERS AND
THREADED HORIZONTAL CONNECTIONS



DOUBLE STAGE CLOSE COUPLED AIR
VERSION WITH INLET SILENCER AND
HORIZONTAL CONNECTIONS



SINGLE STAGE CLOSE COUPLED AIR
VERSION WITH OUTLET SAFETY VALVE
AND HORIZONTAL CONNECTIONS

MAPRO® PHERIPHERAL TBT BLOWER AND EXHAUSTER

PERFORMANCE



PRESSURE:	200 – 800 mbarg
FLOW RATE:	235 – 1940 m ³ /h
POWER SUPPLY:	11 – 75 kW

MAPRO® PHERIPHERAL TBT BLOWER AND EXHAUSTER

AVAILABLE CONFIGURATIONS FOR AIR



CLOSE COUPLED VERSION WITH INLET
SILENCER



BELT-DRIVE VERSION WITH INLET FILTER
AND SAFETY VALVE

MAPRO® PHERIPHERAL TBT BLOWER AND EXHAUSTER

MAIN APPLICATIONS



MAPRO[®] POSITIVE DISPLACEMENT BLOWERS AND EXHAUSTERS

PERFORMANCE



PRESSURE:	200 – 1000 mbarg
FLOW RATE:	28 – 4218 m ³ /h
POWER SUPPLY:	1,5 – 132 kW

MAPRO® POSITIVE DISPLACEMENT BLOWERS AND EXHAUSTERS

AVAILABLE CONFIGURATIONS FOR AIR



WITHOUT ACOUSTIC ENCLOSURE



WITH ACOUSTIC ENCLOSURE



WITH ACOUSTIC ENCLOSURE AND
MAPRO® SMART CONTROL

MAPRO® POSITIVE DISPLACEMENT BLOWERS AND EXHAUSTERS

MAIN APPLICATIONS



MAPRO[®] ROTARY VANE VACUUM PUMPS FOR AIR

PERFORMANCE



PRESSURE:	0,5 – 10 mbarg
FLOW RATE:	26 - 300 m ³ /h
POWER SUPPLY:	0,55 – 7,5 kW



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