



ITALIAN **VACUUM COMPRESSORS**



SOFFIANTI
BLOWERS



SOFFIATORI
A LOBI
LOBE
COMPRESSORS



DIFFUSORI
DIFFUSERS



VENTILATORI
INDUSTRIALI
INDUSTRIAL FANS



POMPE AD
ANELLO LIQUIDO
LIQUID RING
VACUUM PUMPS



POMPE A UNCINO
CLAW PUMPS



POMPE A PALETTE
A SECCO
DRY ROTARY VANE



POMPE A PALETTE
LUBRIFICATE
OIL ROTARY VANE



TURBO SOFFIANTI
TURBO BLOWERS

I.VA.CO. S.r.l. Italian Vacuum Compressors

Company outline

THE VISION

I.Va.Co. aims to become a solid player basing its activities upon ethic behavior and reliability.

THE MISSION

To offer reliable products, to seek and find solutions in order to satisfy both our customers and our partners. Our daily challenge is to overcome our standards for we strongly desire to best fulfill all requirements coming from our market

COMPANY DESCRIPTION

I.Va.Co. has been founded in 2017 out of the experience of the founders within the Air and Gas activities. On the back of the results coming from the first three years of activity, having grown a well consolidated customers portfolio resulting in a consistent growth perspective in both domestic and international market the management has decided to foster a program of diversification.

Two division have therefore been set up: the Water Technologies Division (IWT) providing water pumps and accessories for housing purposes as off December 2019 and the Fans Division with the intent to expand a business branch of strong interest by concentrating part of the company resources into production and sales of industrial fans. The latter mentioned business unit is called Ivaco Fans Dividions (IFD) and has been spinned off from Ivaco itself in January 2020. The new market opportunities combined with the financial strength achieved during the first three years of operation enlarge our perspectives, encouraging our staff to seek new objectives both in Italy and worldwide, being export still the larger portion of our business volume. Following the nature of IFD activities, the growth in sales will be combined with a moderate upgrade of the structure, filling up the grey area that a start-up company carries along, with a predominant attention to the technical department and to order progressing.



SC SERIES. Side channel blowers – Compressors and exhausters.

Construction of the ring blowers fans is based on the lateral ducts principle. The blowers can operate either as exhauster or compressor fans and are designed for continuous service.

Full die-cast aluminum construction grants the maximum sturdiness and flexible operation. No lubrication is needed since there is no contact between static and rotating parts. Dedicated silencers help to achieve a low noise level.

WHY DO CONSUMERS CHOOSE I.VA.CO BRAND OVER THE OTHERS?:

- **95% of IVACO serie is available on stock ready to be shipped**
- **ATEX execution ready in 1 working week**
- **Special execution available for any Industrial application (PTFE coating, Anodisation coating, Sound Box Insulation, Bare-shaft execution,VFD on board).**
- **Multiple certificates by the worldwide known authorized bodies (EAC, cURus, ATEX).**
- **Sales, technical, back office and service team always available to support the customer**
- **Worldwide Distributors. For service and fast delivery, we have a wide network of distributors throughout the world**



Costruite per il funzionamento sia in compressione che in aspirazione, sono progettate per lavorare in servizio continuo. Realizzate in alluminio pressofuso garantiscono la massima robustezza e maneggevolezza.

L'assenza di lubrificazione tra le parti statiche e rotanti, l'elevato livello di silenziosità dato dai silenziatori, le ridotte dimensioni, la possibilità del diverso posizionamento (verticale/orizzontale), le motorizzazioni monofase e trifase, multi-tensione e multi-frequenza, fanno sì che siano particolarmente apprezzate e utilizzate sia nel comparto industriale che civile.

Le soffianti sono costruite secondo le norme EN2006/42, EN ISO 12100:2010, EN 60204-1:2006+AC:2010, EN2014/35 e EN2014/30 e secondo le norme EN-61000-6-4:2007 e EN61000-6-2:2005 armonizzate alla norma 2004/108/CE.

VANTAGGI

- Corpo e giranti in lega di alluminio pressofuso
- Motore asincrono a multitemperatura e a multifrequenza con le seguenti caratteristiche:
 - IP 55
 - Classe H
 - S1
 - Cuscinetti NSK (made in Japan)
 - PT protettori termici
 - Idoneo per funzionamento con inverter
 - Classe di efficienza IE2 o IE3 (su richiesta)

RANGE DI UTILIZZO

Portata: 20-2940 (m³/h)
 Pressione: 0 ÷ +1000 (mbar rel.)
 Vuoto: 0 ÷ -700 (mbar rel.)

Blowers can operate either as exhausters or compressors and are designed for continuous operation.

Full die-cast aluminium construction grants the maximum sturdiness and handling. They can be used both for industrial and standard applications because there is no need of lubrication between the static and rotating components, the noise level is low thanks to dedicated silencers, their layout can be either horizontal or vertical and they can be fitted with single phase or three phase, multi-voltage and multi-frequency motors.

The blowers are manufactured according to the following norms: EN2006/42, EN ISO 12100:2010, EN 60204-1:2006+AC:2010, EN2014/35 e EN2014/30 and according to the following ones EN-61000-6-4:2007 and EN61000-6-2:2005, compliant to 2004/108/CE norm.

ADVANTAGES

- Housing and impellers in die-cast aluminum alloy
- Asynchronous, multi-voltage and multi-frequency motors with the following characteristics:
 - IP 55
 - H Class
 - S1
 - NSK bearings (made in Japan)
 - TP thermal protectors
 - Apt to work with inverter
 - IE2 efficiency class or IE3 (upon request)

WORKING-RANGE

Flow rate: 20-2940 (m³/h)
 Pressure: 0 ÷ +1000 (mbar rel.)
 Vacuum: 0 ÷ -700 (mbar rel.)



CAMPI DI APPLICAZIONE

- | | |
|---------------------------------------|--------------------------|
| Alimentare | Itticultura |
| Aspiratori industriali | Lame d'aria |
| Aspirazione reflui civili | Movimentazione |
| Depurazione sottosuolo | Piscine |
| Dighe e argini | Posta pneumatica |
| Essiccazione | Presse a membrana |
| Filtrazione | Restauri |
| Giochi d'acqua | Sabbiatrici |
| Gonfiabili | Sistemi pneumatici |
| Impianti di aspirazione centralizzati | Tavoli aspiranti |
| Impianti di trattamento acqua | Tubolari per tende |
| Impianti galvanici | Vasche accumulo ghiaccio |
| Isolanti edili | Vasche di borbottaggio |

APPLICATIONS

- | | |
|------------------------|--------------------------|
| Food | Fish farming |
| Vacuum cleaner | Air knives |
| Waste vacuum cleaner | Industrial handling |
| Soil remediation | Pools |
| Air lift bank and dam | Pneumatic post systems |
| Dryer | Membrane press |
| Filter | Restoring |
| Water games | Sanders |
| Inflatable | Conveying systems |
| Central vacuum systems | Vacuum aspiration tables |
| Waste water treatment | Inflatable curtains |
| Galvanic systems | Ice machinery |
| Builder insulators | Washing tanks |

La gamma di prodotti I.VA.CO., oltre alla categoria delle soffianti a canale laterale standard, comprende anche le versioni monostadio e bistadio certificate ATEX secondo la direttiva 2014/34/UE che regola le apparecchiature e i sistemi di protezione destinati ad essere utilizzati in atmosfera potenzialmente esplosiva.

Le soffianti a canale laterale ATEX di I.VA.CO. Made in Italy appartengono al gruppo II e sono idonee a lavorare nella zona 2 (Gas) e nella zona 22 (Polveri). Le nostre soffianti ATEX garantiscono un adeguato livello di protezione per le zone classificate come 3GD ovvero dove è meno probabile la formazione di atmosfera esplosiva.

La qualità e la sicurezza delle soffianti ATEX di I.VA.CO. sono garantite dai test effettuati da Bureau Veritas Italia che ha rilasciato la relativa certificazione.

RANGE DI UTILIZZO

Portata: 20-2500 (m³/h)

Pressione: 0 ÷ + 1000 (mbar rel.)

Vuoto: 0 ÷ -700 (mbar rel.)

Besides standard side channel blowers, I.VA.CO. range of products includes also ATEX single and double stage blowers, certified according to 2014/34/UE directive that regulates equipments or protection systems intended for the use in potentially explosive atmospheres. I.VA.CO. side channel blowers belong to II group and are suitable for working in zone 2 (Gas) and zone 22 (Dust). Our ATEX side channel blowers guarantee an adequate protection level for 3GD classified areas, where the occurrence of explosive atmosphere is less probable.

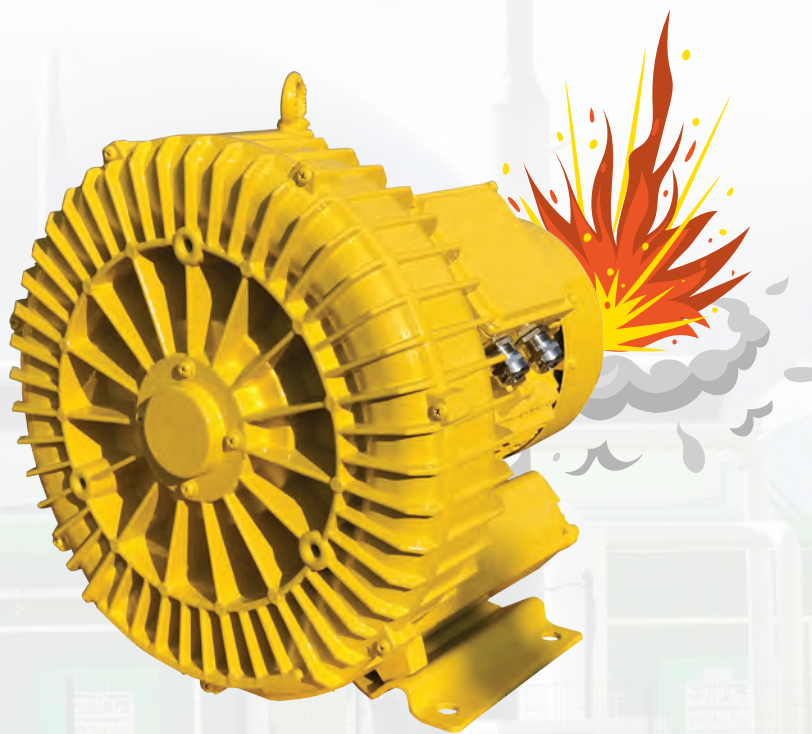
The quality and safety of I.VA.CO. ATEX side channel blowers are guaranteed by the tests performed by Bureau Veritas Italia that has released I.VA.CO. ATEX certification.

WORKING-RANGE

Flow rate: 20-2500 (m³/h)

Pressure: 0 ÷ + 1000 (mbar rel.)

Vacuum: 0 ÷ -700 (mbar rel.)



Trasporti pneumatici alimentari
Food pneumatic conveying system



Biogas
Biogas Gasholder



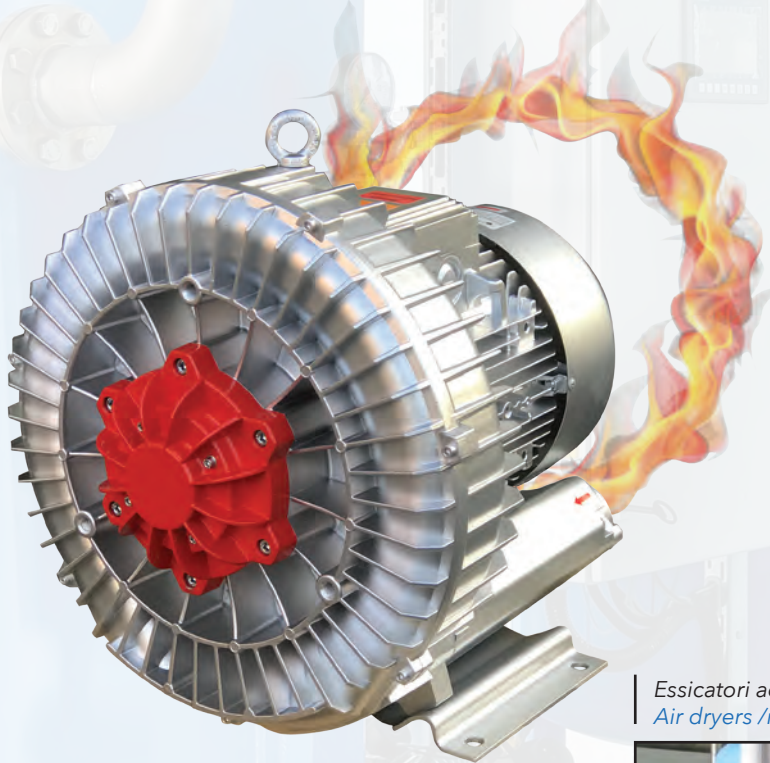
La serie di soffianti a canali laterali SC-HT è stata sviluppata da I.VA.CO. per permettere ai gas di essere veicolati anche ad alte temperature. A differenza delle soffianti standard, la serie HT può infatti trattare gas fino a 200°C.

Le soffianti ad alta temperatura hanno delle caratteristiche costruttive specifiche quali spessore e diametro delle giranti e l'apposito cuscinetto dislocato in sede particolare, che permettono al gas di circolare all'interno della soffiante mantenendone la temperatura di processo senza doverlo raffreddare in entrata né riscaldare in uscita, risparmiando in questo modo tempo e risorse.

VANTAGGI

- Gas con temperature fino a 200°C
- Costi di energia e costi operativi più bassi
- Basso livello di rumorosità
- Senza vibrazioni
- Inverter opzionale

FINO A 200°C



I.VA.CO. has developed the SC-HT series to convey gases at high temperature inside the blowers. Unlike standard blowers the HT series can, indeed, handle gases up to 200°C.

High temperature side channel blowers have peculiar constructive characteristics like the thickness and diameter of the impellers as well as specific strategically dislocated bearings, that allow the gas to flow inside the blower by maintaining the process temperature, without the need of been cooled down at the inlet or re-heated at the outlet. This new products help saving time and resources.

ADVANTAGES:

- Gas temperature up to 200°C
- Low operating and energy costs
- Low noise level
- Vibration-free
- Optional frequency converter

UP TO 200°C

Essiccati ad aria / generatori d'azoto
Air dryers /nitrogen generators



La serie di soffianti a canale laterale I.VA.CO. SC-INV prevede l'utilizzo della soffiante con inverter on board. Questo strumento permette di controllare la velocità e la portata della soffiante, migliorandone le prestazioni e consentendo alle soffianti più piccole di essere implementate senza alcuna perdita di portata.

L'utilizzo dell'inverter è particolarmente consigliato nelle applicazioni che prevedono carichi operativi variabili per mantenere costante sia la pressione che il flusso.

VANTAGGI

- Range di velocità regolabile da 2,200 fino a 6,000 rpm
- Circa il 70% in più di potenza

Portata: 20-2940 (m³/h)

Pressione: 0 ÷ + 1000 (mbar rel)

RANGE DI UTILIZZO

Portata: 20-2940 (m³/h)

Pressione: 0 ÷ + 1000 (mbar rel)

Vuoto: 0 ÷ -700 (mbar rel.)

I.VA.CO. side channel blower series SC-INV is made to be used with frequency converter. This device controls the capacity and the speed of the blower, by improving its performances and allowing the smallest blowers to be implemented without any loss of capacity.

The use of frequency converters is particularly recommended for applications with variable operating loads in order to keep the pressure and the flow constant.

ADVANTAGES

- Adjustable speed range from 2,200 up to 6,000 rpm
- A power increase of about 70%

Flow rate: 20-2940 (m³/h)

Pressure: 0 ÷ + 1000 (mbar rel)

WORKING-RANGE

Flow rate: 20-2940 (m³/h)

Pressure: 0 ÷ + 1000 (mbar rel)

Vacuum: 0 ÷ -700 (mbar rel.)



Trasporti pneumatici
Pneumatic conveying systems





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