

*50th Anniversary 1975 - 2025*

# Leadership in **Filtration**





## About Sotras...

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Founded in 1975 as a trading house, SOTRAS has evolved into a prominent brand in the industrial filtration sector, manufacturing and distributing its own products across Europe and globally. SOTRAS can boast a long and distinguished history in the design and production of high-quality air/oil separators, specifically for rotary screw and vane compressors.

SOTRAS's mission is to provide goods and services of the highest quality in order to meet the unique needs and demands of the market.

In 2006, SOTRAS acquired another site, a modern warehouse conveniently located near the headquarters. This strategic location, close to Turin Airport and major transportation routes, measuring nearly 7,000 square meters, was designated as the

Logistic Center, facilitating efficient storage and distribution of finished products. In 2024, SOTRAS expanded its operations even further with the acquisition of an entirely new site dedicated to production and storage, renovated according to environmentally sustainable criteria.

Building on years of success in the Chinese market with leading local OEMs, SOTRAS decided to move in a new location to expand its presence with a dedicated production plant and logistics centre in China, ensuring timely deliveries and better service for Chinese customers.

With strategic partnerships and continued investments, we have been expanding our presence also in India, the United States, and Africa, reinforcing SOTRAS's global reach and commitment to our partners.

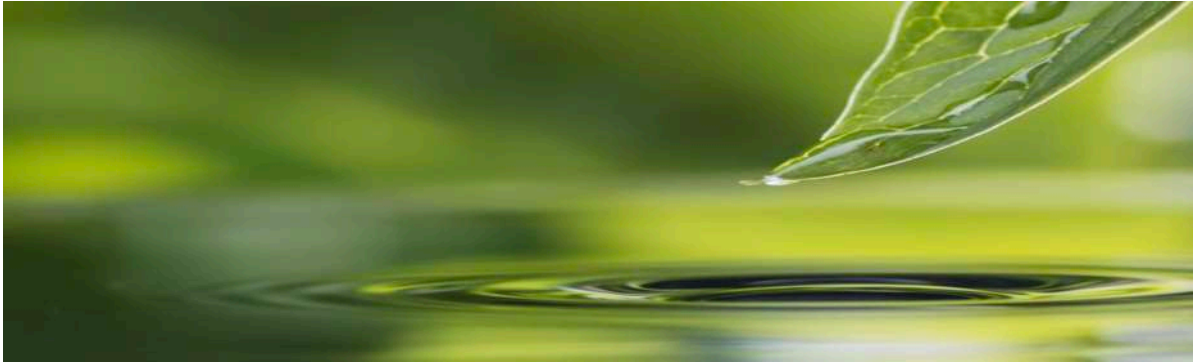


## Commitment to sustainability....

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At SOTRAS, we firmly believe that a healthy, safe, and sustainable environment should be a fundamental right for all. We deliver

products and services worldwide, prioritizing safety, energy efficiency, and productivity while always respecting our code of conduct.



- **Environmental Responsibility:** We embrace industrial growth and innovation while remaining deeply committed to environmental protection. This commitment is evident in our development of sustainable solutions, comprehensive recycling, use of renewable energy and compliance to international norms, such as REACH and RoHS. Our investment in a new, asbestos-free roof with enhanced insulation exemplifies our dedication to energy saving.
- **Workplace safety:** We prioritize employee safety through ongoing education programs, proactive accident prevention measures, and robust fire safety systems. Through an advanced system of regular air cleaning, we ensure a healthy work environment for our employees and maintain high quality production standard.
- **Commitment to Our Workforce:** SOTRAS strongly believes in human rights and promotes an inclusive environment at all its sites. We follow a code of conduct and ensure a safe and healthy workplace for all employees, in full compliance with relevant legal frameworks.





## Industrial filtration

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- SOTRAS can supply a top quality range of industrial filters and has specialised in manufacturing filters for:
- **Compressors:** SOTRAS directly supplies original equipment to many compressor manufacturer's (OEM's) worldwide; consequently, aftermarket products are manufactured with the same focus on high standards of components, quality, inspection, and testing.
- **Vacuum Pumps:** similar to compressor applications, SOTRAS provides an extensive range of exhaust mist filters and complete air filters, compatible with most industry requirements, in cooperation with various OEM's around the world.
- Our filters are manufactured using materials that can withstand different pressures and temperatures and minimise contaminations. With regard to separators, proper installation and regular maintenance, combined with the use of quality air/oil filters, are essential for optimal efficiency and long lifespan.



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- **Compressed Air treatment:** SOTRAS offers a comprehensive range of filters and coalescing elements designed to deliver clean, high-quality compressed air for various applications.
  - **Hydraulic Filtration:** SOTRAS develops high-quality hydraulic filters for construction and industrial machinery. Our ongoing research into materials and manufacturing processes ensures the highest levels of efficiency and reliability. We accurately select filter media with a proper degree of filtration, high dust holding capacity, and compatible adhesives to meet the specific requirements of our customers.

- **Dust Collectors:** SOTRAS provides high efficiency cartridges on demand. Our cartridges for dust removal are designed to guarantee high-level performances and are manufactured using different types of filtering media. Some models are designed to work in a back-pressure system, thereby ensuring cyclic cleaning of the filtering media to avoid premature pressure drop. The cartridge connection system allows for quick and easy installation and replacement procedures.

Our established experience allows us to provide effective solutions at competitive prices.





## Heavy equipment

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Heavy equipment refers to heavy-duty vehicles designed for construction work, most often involving earthmoving, mining, and cranes.

SOTRAS started its operations in the field of hydraulic filtration. Thanks to its great experience and flexibility, SOTRAS has also developed a growing range of high-quality filters for construction machinery. This allows us to supply major filter manufacturers, enabling them to expand their product lines. Benefitting from its up to date technologies and machineries, such as pleating machines, SOTRAS is able to produce pleated media with unique characteristics beyond the standard range.



## Refrigeration and natural gas

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As the world faces growing challenges due to rising energy costs and global initiatives to reduce environmental impact, we at SOTRAS are focused on providing high-quality products that contribute to a more sustainable world.

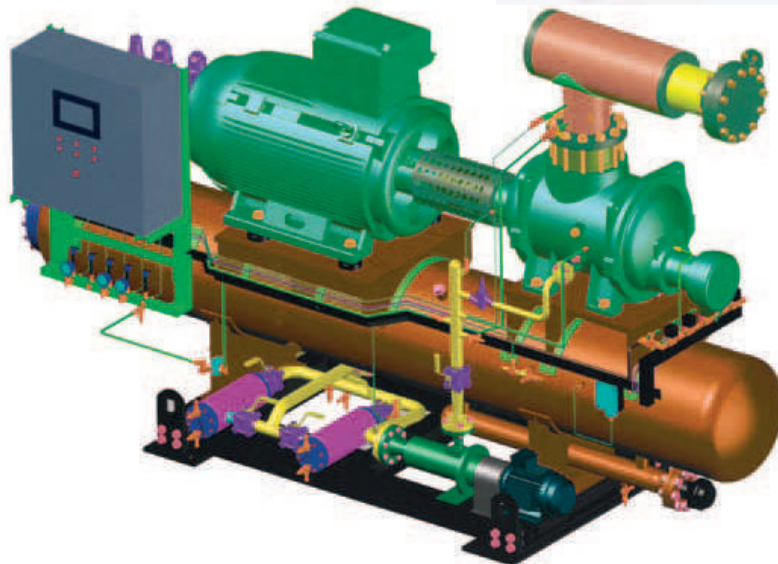
Thanks to our long-standing success and experience in the compressed air field, we have utilized our expertise to meet a broader range of demands worldwide, including refrigeration and natural gas applications.

In refrigeration systems, preventing contamination and moisture build-up is critical. Oil plays a key role in lubricating system components for optimal performance, cooling, and protection. However, when oil circulates as an aerosol within the system, it can lead to significant efficiency losses and increased energy consumption due to oil build-up on internal surfaces, tubes, and heat exchangers, limiting proper heat transfer.

Using our know-how in filtration and separation technologies, SOTRAS is able to provide tailored solutions that meet your

specific needs. Our products are compatible with different natural refrigerants such as ammonia and CO<sub>2</sub>, as well as various synthetic refrigerants. We offer advanced filtration solutions to remove contaminants from your system, and our coalescing separator elements are designed to minimize oil carry-over while maintaining sustainable energy consumption at the highest standards.

Similarly, the natural gas and biogas sectors play an important role in power generation, with biogas contributing significantly to reduce greenhouse gas emissions and enhancing environmental sustainability. However, they present their own technical and quality challenges. In response, SOTRAS in collaboration with several OEMs and its proven technical expertise is able to supply high-quality filters and separator elements in various designs. Our separator cartridges and filters are developed based on comprehensive risk analysis and optimized material selection processes, ensuring that our products meet stringent safety standards and the necessary certifications.





## Special applications: railways, marine and aerospace

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SOTRAS designs and manufactures filters for special applications. The excellent quality of our products is demonstrated by supplying high-performance solutions to sectors requiring high reliability, such as railways, marine, and aerospace. SOTRAS has received important homologations in these fields, certifying the high quality and safety of its products.

Our filters are built to last and perform reliably. We use only the highest quality materials, each subjected to rigorous testing and specific treatments. This approach is essential, especially given the demanding conditions such as high temperatures, extreme pressure and harsh

working conditions that, for example, a compressor may face on a ship. At SOTRAS, we understand that every component matters, from the adhesives and filter media to the metals used, and we meticulously select each one for safe and reliable operation.

SOTRAS has developed specialized technologies formulated to make its products withstand extreme environmental conditions, such as high humidity and salinity levels, as well as strong and sudden temperature changes, enabling us to offer high-performance solutions for railway, marine, and aerospace sectors.





## Product quality supported by efficient service

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At SOTRAS, we consider ourselves more than a supplier; We strive to be a trusted partner in providing a wide range of filtration and separation solutions. Decades of experience in supplying high quality products, combined with our flexibility in production, have given us the capability to offer complete services and support for any requirements.

Our agile manufacturing and logistics system enables us to handle both large and small orders with speed and efficiency, ensuring timely feedbacks and delivery.

We maintain stringent supplier selection processes and continuously invest in research and development, exploring new materials and customized solutions to

anticipate and meet your demands.

Our multilingual team of logistics, technical, and commercial professionals are able to establish strong, lasting relationships with clients, following closely each step of the process, from initial consultation, product design and customization to order processing, delivery, and after-sales support to ensure your complete satisfaction.

For many years, our technical department has provided our customers with detailed claim analysis and practical insights, supporting them in resolving any concerns that may arise during their operations.

We are always pleased to assist our customers!





## Quality and tests

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SOTRAS filters undergo strict quality control and are frequently tested to ensure optimal performance in their intended applications for which they are designed. Our dedication in delivering top-quality products is demonstrated by our role as an original equipment manufacturer (OEM) for leading brands to some of which SOTRAS guarantees product exclusivity.

For years, all incoming materials and finished products have been managed under a comprehensive control plan based on ISO TS 16949 standards. This continuously updated document details every control procedure along the manufacturing process and specifies the critical characteristics of each product, including validation of both the production process and the final product.

Our goal is to continuously enhance product performance, efficiency, and reliable production. Building on decades of experience, SOTRAS has developed its own testing equipment and integrated the latest global technologies in filtration testing, such as Collapse and Burst Resistance Tests to assess the durability of our filters under

various flow rates and pressure conditions. Non-Intrusive Tests such as Smoke test designed to detect defects in both the product and its production process.

Additionally, our monitoring technology has evolved significantly, from early Johnson & Balston tests to current ISO 8573-2 standards and advanced systems such as Aerosol Tracking and Monitoring Technologies. These tools allow us to monitor key performance parameters in real time, including pressure drop, oil carryover (ppm), and energy consumption under diverse operating conditions.

For spin-on filters and separators produced by SOTRAS, regular stress analysis and fatigue testing are performed to ensure their structural integrity and long service life.

Furthermore, SOTRAS is able to conduct specific tests designed to the unique requirements of each customer, whether conducted in-house or through external laboratories, to guarantee full compatibility with specific applications.



# Warranty and certificates

We guarantee that filters produced by SOTRAS are free from defects either in materials or construction, always provided that the machinery is maintained in accordance with manufacturer's recommendations and filters are correctly installed and replaced at the appropriate intervals. SOTRAS will replace any item found to be defective under these conditions. In such cases, we recommend that the "Dissatisfaction Report" form be duly completed to ensure a prompt resolution.


SOTRAS will not be held responsible for any additional replacements, contingency costs, or consequential losses. Furthermore, SOTRAS accepts no liability for direct or indirect damages resulting from Improper operation or servicing not in compliance with

OEM manufacturer instructions and service manuals, inadequate storage of the products and/or breakage or damage incurred during transport.

Since 1999, SOTRAS has demonstrated its commitment to quality management system. We achieved our first certification of our quality management system to UNI EN ISO 9002-94 in 1999. As we continuously evolved and refined our processes, we advanced to UNI EN ISO 9001-2000 in 2003, UNI EN ISO 9001-2008 in 2009, and most recently, UNI EN ISO 9001-2015 in 2018. This evolution reflects our ongoing efforts for improvement and our dedication to meeting the highest industry standards.

Furthermore, SOTRAS manufactures spin-on filter separators in compliance with the Pressure Equipment Directive 2014/68/EU (PED) and has obtained the necessary certification for various fluid groups and categories.

Other certifications are available upon request.



**REACH & TSCA DECLARATION**

SOTRAS DECLARATION - EU REACH & U.S. TSCA

Dear Customers,

We hereby inform you that according to the following:

- EU REACH 1907/2006 - candidate list 2024** by ECHA; The Registration, Evaluation, Chemicals (REACH) Regulation requires of High Concern (SVHC) contained in articles manufactured and marketed in the EU (Log).
- RoHS 2 Directive 2011/65/EU** identifies Directive **2017/2102** amending Directive of certain hazardous substances in electrical equipment.
- Toxic Substances Control Act (TSCA)** Act of 2016 June 22 and February 2024.


Sotras **does not** import, manufacture or substances or preparations (SVHC) that under REACH.

REACH Candidate Substances of Very High Concern (SVHC) over the threshold level reasonably foreseeable conditions of use, in asbestos by products.

However we assure you that we have carried out a process aimed at excluding and, where needed, substituting substances (SVHC) that may be in REACH Regulation.

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CERTIFICATO


Certificato del Sistema di Garanzia del Processo di Produzione (M&P) che il Sistema di Qualità dell'Organizzazione è conforme ai requisiti del **OTRAS**

per la fabbricazione, l'installazione e il collaudo, specificata e conforme ai requisiti del cliente.

<b>Attrezzatura a pressione:</b> Filtro separatore industriale tipo Spin Versione Standard DP 5125.
<b>Documentazione tecnica di riferimento:</b> Fascicolo tecnico rev. 0.2 del 2023
<b>Normative e armonizzate di riferimento:</b>


Le pressioni sopra identificate realizzate come da documentazione decisa dalla validità. Tutte le modifiche apportate dovranno essere approvate da parte di Kiwa Cermet Italia. La responsabilità di questo documento è composta da:

*Gianpiero Baldacci*  
Gianpiero Baldacci

 ACCREDIA  
PARTNER IN AN ACCREDITED

PROF. N° 0635  
Membro degli Accordi di Mutuo Riconoscimento di UNI, ISO and IAF/IRAP/IRAP/IRAP

**CERMET**



CERTIFICATO

Certificato del Sistema di Gestione per la Qualità **9001:2015**

Si dichiara che il Sistema di Gestione per la Qualità dell'Organizzazione: **SOTRAS S.r.l.** è conforme alla norma UNI EN ISO 9001:2015 per i seguenti:



Sviluppo e costruzione di filtri industriali.

Giovanni Balducci

*Giovanni Balducci*

Il mantenimento della certificazione è soggetto a sorveglianza annuale e subordinato al contrattuali di Kiwa Cermet Italia.  
Questo certificato è costituito da 2 pag. La scheda tecnica che segue fornisce i dettagli del campo di applicazione.

Per il dettaglio delle sedi riferirsi alla Scheda Tecnica allegata

PROF. N° 0635



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