

Heart and technology

VYC



Valves





Heart and technology



The company

VYC Industrial, SAU was founded in 1914, hence it is our privilege to be considered one of the pioneering companies and in the design, manufacture and marketing of fluid regulation and stop valves in Spain.

Our technology and the quality of our products guarantee that personnel and other assets are safe and protected, while remaining true to our environmental policy in both selecting recyclable materials and defining methods and processes. A century of experience in which we have enjoyed the trust of all kinds of customers and sectors. Sensitive processes in industrial plants, such as chemical, petrochemical and refineries, among many others, depend on our valves to guarantee that the critical processes are safe, efficient, protected and controlled.

Our main goal is to build on this trust day after day, creating and developing attractive products at competitive prices and providing appropriate information and services.

VYC Industrial, SAU is a company with experience, but it is also modern and international. We place our experience and knowledge at the service of our customers and meet market demands. We are continually striving to apply new technologies, designs and materials to provide optimal and efficient solutions. Our new plant in Terrassa, Barcelona (Catalonia, Spain) is an example of what are capable of and is the foundation of what we aim to achieve.

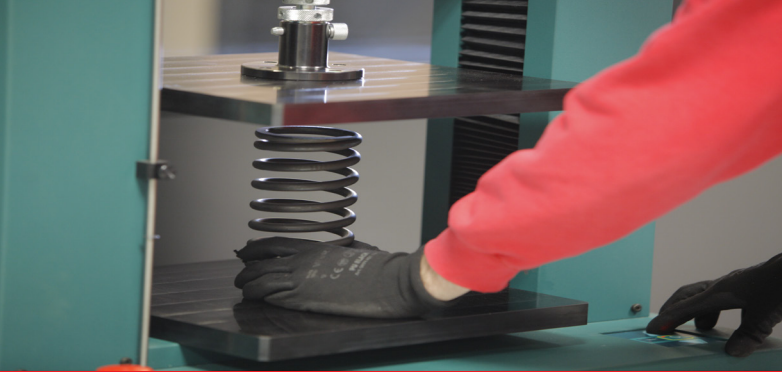
We are constantly creating, renewing and optimising our product range in close collaboration with our customers, in response to the needs of the industry. Thus, we have one of the most complete operation and flow test benches in the world.

Today, the company is at the cutting edge of valve manufacture for fluid regulation and interruption. With decades of experience and continual interaction with our customers and markets, all of them coupled with excellent future planning, ensures we are ideally placed to continue providing the best products and optimal, reliable and efficient solutions.

VYC industrial, SAU develops, designs, manufactures and markets its products in compliance with:



...and other international recognised directives and standards.

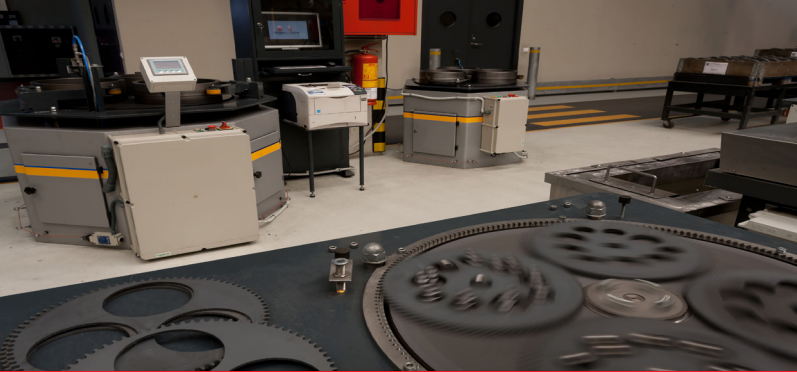


There are so many reasons to trust in us:

Painstaking **selection of suppliers**. Only those who are accredited with the standards that meet our demands and who pass our rigorous approval process are included in our list of possible suppliers.

All **raw materials are checked and inspected** by our quality department. We carry out document, formal, size and operational checks, among others. Destructive and non-destructive tests. Metallographic tests. We use 3D test equipment, calipers, durometers, microscopes and reflection lamps, traction tests, spring tests, ultrasound, X-rays, penetrating liquids, magnetic particles, spectrometer etc., to assist us.





Complete product **traceability**. All parts are numbered, registered and controlled. Each of the components of our valves is marked with this control using a data matrix system complementing the manufacturing order. We can establish the history of the valve at any given moment. We have historical archives, which are properly registered and documented.

The entire manufacturing process takes place at our Terrassa, Barcelona (Catalonia, Spain) plant, with the **very latest and most sophisticated manufacturing criteria**. Only in this way demand the precision we work with.

Heat treatment of critical materials. Standardisation committees and technical organisations recognise and accredit our procedures. Closing surfaces are heat treated, ground, lapped and burnished in order to obtain a **degree of water-tightness** that even exceeds EN 12266-1 requirements.

Welding procedure qualification registers (WPQR) UNE EN ISO 15614-1:2004 (UNE-EN 288-3) certified by TÜV Rheinland with certificate No. 35707651/04.





We inspect and control

We have a **dynamic fluid test laboratory** where we carry out function and performance testing with steam, air and water at high pressure and for large flows. This is unique to Spain, and undoubtedly one of the most complete in the world.

Intelligent warehouses with a large stock of components for the immediate assembly of finished products in accordance with our customers' needs. Each and every one of the shut-off parts are protected during the manufacturing and storage processes.

Semi-automatic assembly lines, with state-of-the-art technology, size controls, tightening torque levels and more.

Visual and functional tests as per EN 12266-2.

Strength and tightness tests as per EN 12266-1.

All **test benches** are automatic, with the latest computerised technology guaranteeing complete accuracy and reliability. The process is carried out by **highly qualified personnel** and certified by TUV Rheinland.

The valve is accompanied by **the certificate for materials with its castings and list of tests in accordance with EN-10204 3.1**.

If requested by the customer, any of these processes may be controlled by external inspection bodies. Their experts and inspectors guarantee that the technical and functional specifications demanded by the customer are met. We have a visit from one of these bodies almost every day. It is part of our daily activity.

The valves are supplied with the connections protected and rotating parts blocked, so they are not damaged during **transport**. The **packaging** used guarantees shipments worldwide.

Reliability and longevity. VYC technology is the right choice. The valves are designed to last the lifetime of a facility. They are efficient and effective, providing real guarantees for plant operators or owners.



We supply the valves, and offer services that include installation, commissioning, preventive maintenance, rehabilitation, repair and spare-part management.

The barcode and QR system mean we can manage a large **stock of components** and offer a fast, dynamic logistics service. We offer our customers excellent aftersales guarantees through our technical support team, the extensive supplementary technical instructions and **24-hour support service, with a test bank and mobile repairs**. We reduce stoppages and increase efficiency, in which we are a benchmark for the industry.

Remember that VYC Industrial, SAU has an international sales network offering **valves, spare parts and support worldwide**.

registro de

Certifications in compliance with directive 2014/68/EU module D 'Production quality assurance, final inspection, testing and system monitoring' certified by notified organisation No. 0035 TÜV RHEINLAND INDUSTRIE SERVICE GMBH-TÜV Rheinland Group, audit report No. 01 202 E/Q 13 9444.

International approvals.

'Made in Europe' Quality. The quality standards of our products are recognised throughout the world, and not because they are demanded of us, but because we demand them of ourselves. We develop and manufacture our products in Terrassa, Barcelona (Catalonia, Spain). Not just a sample, but every single one of our valves undergoes an extensive and rigorous quality control programme before leaving our facilities. Our products and processes are certified and accredited and are subject to regular audits to improve these high standards. Our quality system for design, manufacture and marketing complies with **UNE EN ISO 9001, as certified by TÜV Rheinland Cert. GmbH.**







Optimal value for money



Comprehensive **technical information**; assembly and dismantling instructions, supplementary technical instructions, operating principles and more, all in paper, digital or video format.

Customers and partners, along with operators and maintenance managers will find a wide range of **training courses**. Our highly qualified teaching staff offer courses rich in training and educational content at our classrooms in Terrassa (Barcelona) or at the attendees' own facilities. We offer standard courses or ones tailored to the participants' interests.

On ending the course, skills tests are given and accreditation diplomas, verified and issued by certification and inspection bodies, are awarded.

We make every effort to stay at the forefront in this service and support area to successfully guarantee satisfaction with our valves.

We would be delighted to welcome you on to one of our training courses.

Frequent attendance at the most prestigious international **industry trade shows, advertising, personal visits and permanent contact** with our customers.

Service, customer care, short and reliable delivery times... an entire technical and sales team working to meet your needs.

Our **spirit of renewal** means we are constantly working on our **line of investments**, new products, machinery, methods, processes and more.

We do what we enjoy, and we enjoy what we do. All this would be impossible without you, our customers, in all industrial sectors, who place your trust in us on a daily basis.

VYC Industrial, SAU is excited about the future, with the experience of the past.



Our philosophy

Our market concept drives us to satisfy our customers' needs. We collaborate and communicate with them constantly, as it is only together that we can develop the best solutions.

We review our quality procedures and make every effort to improve the performance and efficiency of our products, if at all possible. Only in this way can we ensure our customers' success. Product innovation and continuous improvement processes guarantee future success.

We manufacture our products, carefully selecting the materials. We are particularly sensitive to and respectful of the environment. We protect and conserve it. Today, our products enjoy deserved international prestige. VYC Industrial, SAU does business in almost 100 countries in all the continents. Our internationalisation is proof that good work knows no frontiers.





Industry specialists

VYC Industrial, SAU was founded in Terrassa, Barcelona, (Spain) at the beginning of the century, in 1914, at the height of the Catalan textile industry.

At first, we specialised in heating, but the emerging textile industry needed companies specialising in steam and our knowledge of boilers meant we were well-placed to exploit this market. We started as installers, but as the company became more technically proficient we established ourselves as manufacturers of steam boilers and textile machinery.

In manufacturing our boilers we used components that were difficult to find in the national market and difficult to import. We overcame this difficulty by manufacturing valves, pressure gauges and other components for our own use. Over time, we built up a manufacturing programme that was sufficiently attractive to be marketed separately, and thus our current valve manufacturing began.

Our origins were with steam, and that has enabled us to become recognised specialists with a closely related valve manufacturing programme:

Safety_Check-Filters_Steam traps-Separators
Reducing-Mixing_Float-Buoys
Control-Regulation_Bleeding for steam boilers
Automatic level controller
Window Sight glasses - Level indicators



Safe and efficient plants and processes

You'll find VYC safety valves in pressurised systems for steam, gas and liquids which require careful protection.

All kinds of industries trust in our safety: chemical, petrochemical, refineries, water supply systems, energy supply and generation, process steam systems, equipment, capital asset manufacturers and more.

We develop tailored solutions and standard products for all these applications.

We are in permanent contact with our customers and partners, engineering firms, engineers and plant operators. Their information and our know-how mean we can offer an increasingly optimised, effective and flexible product to protect people and assets.

There are many reasons they trust in us for their safety:

The VYC safety valve is the highest selling valve in Spain and one of the most widely distributed and prestigious valves throughout the world.

Design based on 'International standard ISO 4126-1 safety valves'.

Specifications:

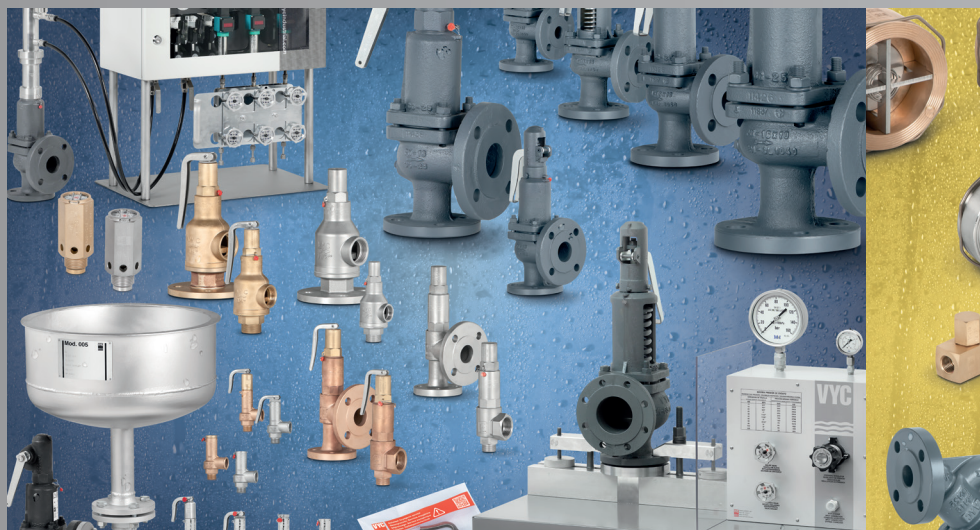
- 90° angle stop.
- Operated by direct-operation coiled spring.
- Simple construction ensuring minimal maintenance.
- Interior body designed to provide a favourable flow profile.
- Materials carefully selected for resistance to wear and corrosion.
- Fitted with a draining screw to release condensate.
- Self-centring valve.
- Axis with lever positioner to facilitate immediate manual operation.
- In the high-performance models, the elevator is separate from the shut-off, facilitating sudden opening with steam expansion and guaranteeing opening precision and complete shut-off with all fluids.
- Our valves are supplied sealed at the trip pressure requested.

The valve is accompanied by the **certificate for materials with its castings, calibrations, tests and performance levels in accordance with EN-10204 3.1**, and its run chart. The instruction manual is also enclosed, in accordance with **P.E.D. 2014/68/EU**. Without doubt, the demands we place on our products are demonstrated by these certificates, some of the most complete in the world.

Precise **operation** of opening and closing.

High **discharge capacity**.

In accordance with **ATEX 2014/34/EU** "Equipment and protective systems intended for use in potentially explosive atmospheres".



Heart and technology

Safety valves

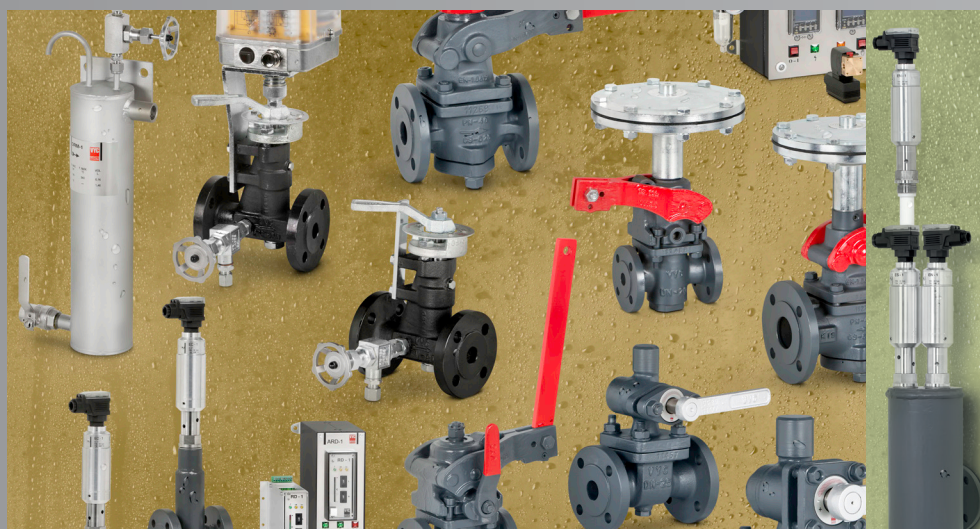


Pressure under control

Reducing valves

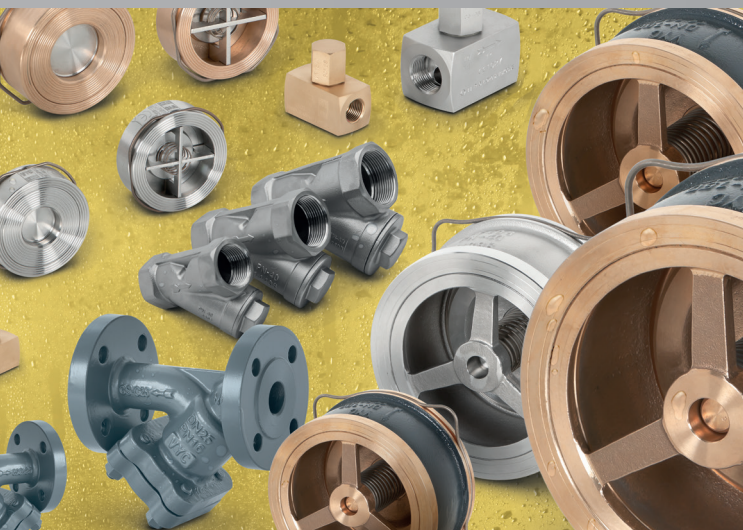
Specialists in steam

Mixing valves



Treating steam seriously

Bleeding for steam boilers



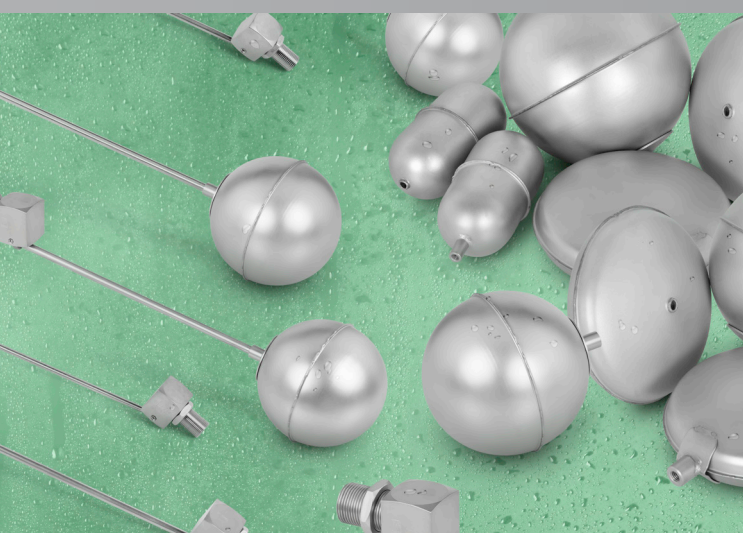
Simple perfection

Check-Filters



Efficient, green energy

Steam traps-Separators



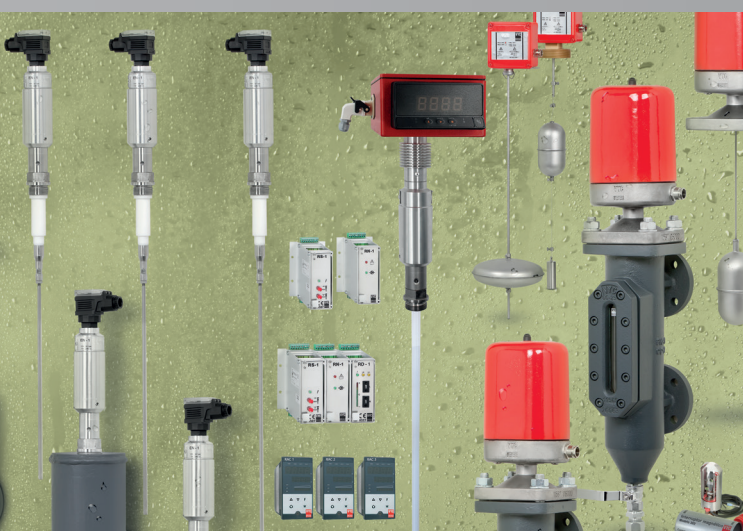
Simplicity and efficiency

Float-Buoys



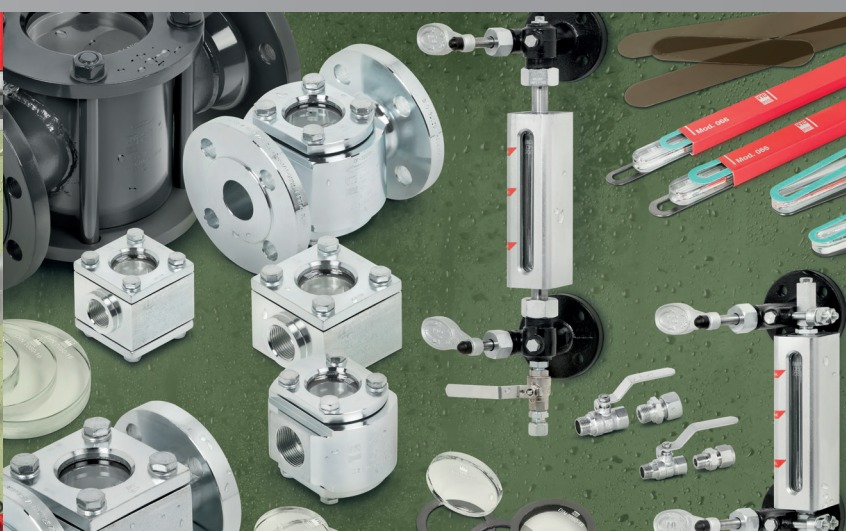
Precise, reliable regulation

Control-Regulation



We stay level

Automatic level controller



Clear, transparent level

Window Sight glasses - Level indicators



Human capital, our guarantee for the future

Our employees and their experience are our greatest asset. Generation after generation, we have been able to pass on our accumulated experience. Our personnel have been fully trained and qualified. Their knowledge of products, methods, processes and applications, combined with our enthusiasm and dynamism help us stay at the cutting edge of innovation and quality.

Our technicians-sales staff are constantly aware of the need to meet our customer needs.

We value integrity, technical perfection, international adaptability and the cultural diversity offered by the market.

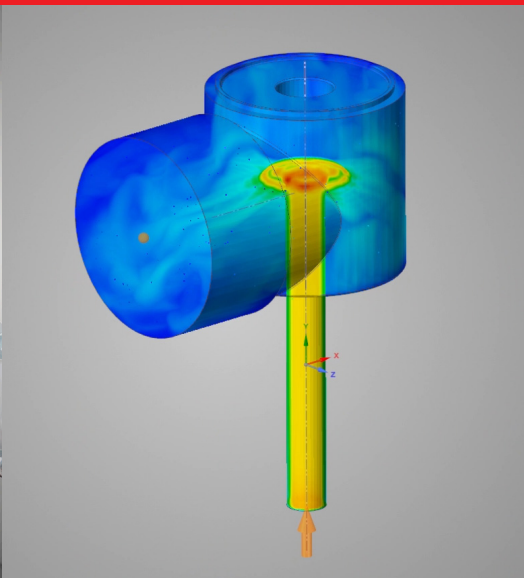
We work in close conjunction with universities, research and development centres and training centres. We have received awards in recognition of this on numerous occasions, of which we are proud and satisfied. We understand that we must cultivate and care for this asset from the bottom up. This learning programme will help ensure our future.

As a result of our work with universities, we have a staff of technicians-sales people consisting almost entirely of trained engineers. We use the most advanced and sophisticated tools in the field of design (Autodesk-Inventor), finite element simulation (ANSYS) and calculation supported by our own software.

Our **dynamic fluid test laboratory** where we carry out function and performance testing with steam, air and water at high pressure and for large flows. This is unique to Spain, and undoubtedly one of the most complete in the world.

We are experts in fluid dynamics, we have experimented with materials, and we know and understand industrial processes. With these ingredients, it is easy to offer advice on the correct choice of valve and provide an optimum solution for each application.

VYC Industrial, SAU meets all **work health and safety standards**. Through our own wishes and the demands we place on ourselves, external bodies regularly audit us and certify that in this area too we achieve excellence.



VYC

