

**TO CREATE
EXCELLENCE
YOU NEED
EXCELLENCE**

Triangle
Tube





**ONE TEAM
ONE VISION
ONE EXCELLENCE**

The greatest opportunities to excel lie in the power of sharing. That is why at ACV Triangle Tube every achievement is directly impacted by team effort. Team effort that is backed by one, clear vision: to instill excellence into everything we do.

At ACV Triangle Tube, we strive to be the world's best supplier in the industry of heating and hot water systems.

In less than a century, we have evolved from a local European innovator into a preferred supplier in over 40 countries in North, South and Central America, Europe and Asia.

Through investing in the excellence of people, facilities, and a global strategy, we are now more than ready to take the world by storm, as one team.







EXCELLENCE IN HOT WATER



PRODUCT RANGES



-  **Condensing Boilers**
-  **Heat Exchangers**
-  **Indirect Fired Water Heaters**
-  **Direct Fired Water Heaters**

Being a leader in the heating and hot water industry forces us to keep pushing the boundaries of innovation to give our customers the best experience possible, while satisfying the demand of environmentally friendly solutions. We believe that by offering our customers amazing products with higher efficiencies and enhanced technology, we are empowering them to achieve excellence in the communities they serve. Be it in hot water or in related applications.

That is also why we continuously invest in innovative product development, offer greater efficiency and qualify homeowners for state tax rebate programs. The essence of our excellence is seen in our diverse selection of products, ranging from condensing boilers and heat exchangers to direct and indirect fired water heaters. The emphasis we have placed on developing the firetube heat exchanger and our exclusive "Tank-in-Tank" technology puts us at the forefront of environmental awareness. We offer a diverse range of options for various applications, with a common bond: exceptional performance, efficiency and longevity.

EXCELLENT PRODUCTS

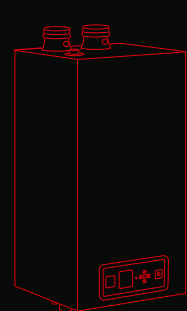
No matter your heating or hot water needs, ACV Triangle Tube has the ideal solution for your application. With almost a century of comprehensive research, development, and industry expertise, excellence is always within reach with any of our fine products.

Prestige

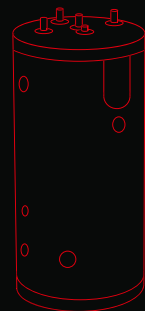
The Prestige high efficiency condensing boiler introduced the stainless steel fire tube design to the residential condensing boiler market. With three product generations, the Prestige remains unrivalled in terms of performance, ease of use, efficiency, and overall reliability. Equipped with the advanced ACVMax control system, installation and maintenance has never been easier. Control features include a 60 second EZ set-up, intelligent trouble-shooting, and multiple zone and circulator control. The Prestige's integrated cascade function also demonstrates its excellence in commercial applications. Aside from satisfying the need for high heating demands, higher turn down capability and redundancy is achievable all by utilizing a Prestige cascade system. Regardless of what your space heating or hot water needs may be, you can always place your confidence in the Prestige.

Smart

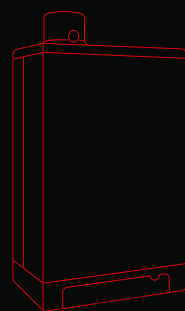
Our Indirect Fired Water Heater Smart range, is universally praised for its exclusive "Tank-in-Tank" technology. By utilizing the hot water that's produced from the boiler, your home and domestic hot water are heated simultaneously, thereby consuming less fuel and conserving more energy. Combine that with a recovery rate that is three times faster than conventional counterparts and the lowest pressure drop in the industry and you have a winning combination.



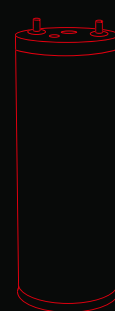
Prestige



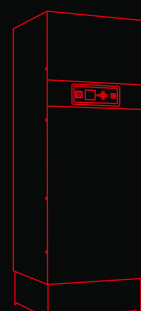
Smart



Challenger



Comfort



Heatmaster

Challenger

Great things come in small packages. Much like our very efficient, whisper quiet, wall hung Challenger condensing boiler. Without compromising comfort, the advanced control system automatically regulates the boiler's capacity for maximal efficiency. Its compact design makes this unit perfect for closet applications.

Comfort

With the modest Comfort Stainless Steel Indirect Fired Water Heater range, customers enjoy limitless amounts of hot water at low costs, against the lowest pressure drop in the industry. And, as the Comfort water heaters need less fuel, they also cater to the needs of the most energy-conscious consumers.

Equipped with our Tank-in-Tank technology and the capability to self-clean and self-descale this series exceeds the 20 years mark with ease.

Heatmaster

The newest addition to the ACV Triangle Tube family is our free-standing Heatmaster range. The robust product range marries power with small spaces. The stainless steel hearted Heatmaster is probably the only storage combination boiler in the world to fully condense during both the hot water and heating modes. Together with the self-cleaning heat exchanger, the integrated climate regulator yields an exceptional return on minimal energy consumption and low maintenance.

... and more

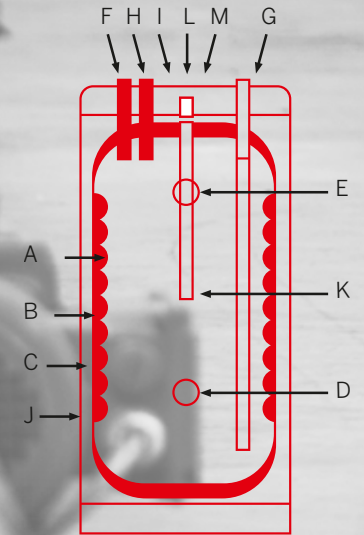
There is more excellence in hot water and heating that ACV Triangle Tube can provide you and your customers with. Such as our Keystone Condensing Water Heaters and Boilers, designed for high-end residential and commercial application. Our Maxi-Flo heat exchanger, available in stainless steel or titanium, designed specifically for swimming pools, hot tubs and spas or take our Marquis Condensing Gas Tankless Water Heater which produces endless quantities of hot water against a .97 EF.



TANK-IN-TANK TECHNOLOGY

Construction Specification

- A. Inner stainless steel tank
- B. Outer steel tank
- C. 2" Polyurethane insulation
- D. Boiler water connection
- E. Boiler water connection
- F. Hot water outlet
- G. Cold water inlet
- H. Auxiliary connection
- I. Thermostat control
- J. Plastic Jacket
- K. Thermostat remote sensing bulb
- L. Air vent connection
- M. Electrical wiring plug



At ACV Triangle Tube, we are proud of all of our achievements, developments and innovations, and we have had many over the years. But perhaps one of our greatest innovations, aside from our fire tube heat exchanger, is our revolutionary “Tank-in-Tank” technology. A modern day marvel for the hot water industry.

The Tank-in-Tank technology works as follows: when the thermostat in the inner tank calls for heat, the boiler and circulator start. Boiler water is circulated around the outer tank and heats the domestic water within the inner tank. After transferring its heat, boiler water is returned to the boiler to be re-heated. When the thermostat in the inner tank reaches its preset mark, the boiler and circulator shut off. Thanks to the exceptionally large heating surface area (typically 1.5 to 2.5 times greater than a coil), “Tank-in-Tank” systems can use the whole heating power of the boiler to heat large quantities of water in an exceptionally short amount of time. As a result of this rapid heating capacity, the volume of stored water can be reduced and energy loss kept to a minimum. Furthermore, condensing boilers benefit from being able to work in condensing mode for much longer, giving much greater fuel efficiency.

Of course, we didn't opt for a stainless steel inner tank just for the fun of it. Stainless steel not only makes the tank resistant to corrosion, but is also stable at elevated temperatures above 180°F, which is not the case for tanks manufactured from mild steel protected by a glass lined coating.

But there are more advantages to our Tank-in-Tank technology. As stainless steel is highly hygienic, there is no risk of health hazards. Due to the consistently higher water temperatures, microorganisms such as legionellae bacteria don't stand a chance at surviving, let alone growing and spreading their life-threatening germs.

Furthermore, the design of the technology prevents the formation of lime scale and consequently ensures the highest possible performance, for the products lifetime. Our unique valve design also helps preventing lime scale. This advantage over traditional coil systems has been confirmed through extensive field evidence. And thanks to this self-descaling feature, the heat transfer efficiency of our water heaters and their hot water output stay high throughout the entire service life of the Tank-in-Tank installation.



EXCELLENCE IS AN ATTITUDE



As we've said before: everything we achieve at ACV Triangle Tube stems from true teamwork. We are one team, with each and every member striving towards the same goal; the pursuit of excellence. It's all in the attitude. We never settle for less and neither should you.

To become excellent in every aspect you need to surround yourself with excellence. That is why ACV Triangle Tube only commits itself to the best of the best within the industry: the best partners, the best suppliers and the best materials. Only through surrounding ourselves with excellence we can create excellence that not only meets, but also exceeds consumer expectations. Excellence for today's comfort and tomorrow's changing environment.

Our staff members not only have the right attitude, but they also have the right experience with industry insight and field expertise. That's what makes the ACV Triangle Tube team the go-to specialists for all of your heating and hot water needs.



FROM HISTORY TO FUTURE

A CENTURY OF R&D EXCELLENCE

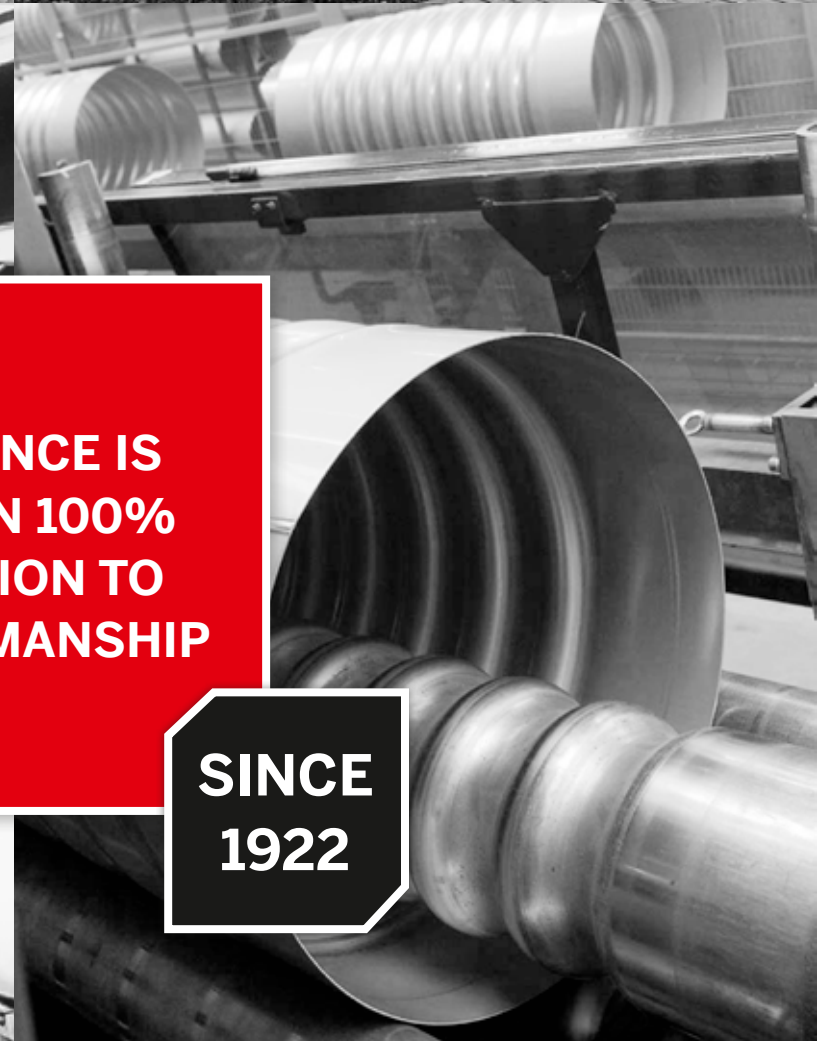
Since the early 1920s, ACV has recognized the importance of the availability of hot water in everyday life. Now, almost 100 years later, society's demand for hot water isn't reduced, but increased. That is why today, ACV Triangle Tube still is around to serve all hot water-related demands in the residential and commercial sectors with sheer excellence.

ACV Triangle Tube has been around for almost a century, and will be around for centuries to come. It all started back in 1922, when a team of broad-minded engineers shared an innovative and passionate vision and put it into action. In Brussels, Belgium, they established the 'Ateliers de Construction d'Appareils de Chauffage and et de Ventilation'. An instant success that led to the merger with 'Fonderies et Emailleries Sainte Marguirite' in 1929. It was during this time that, under the leadership of Albert Buchet, ACV Triangle Tube began to continuously grow and invest in Research and Development. Resulting in reliable, highly respected products making their ways to consumer's homes in the 1950s.

A decade later, ACV Triangle Tube refocused on the design and manufacturing of high-class quality boilers for heating, and domestic hot water tanks. During all this time, we never stopped our quest for innovation. This attitude resulted in the renowned Tank-in-Tank concept for hot water cylinders and paved the way for an explosive expansion into the export market, starting in the 1970s. The result: nowadays AVC Triangle Tube is a well-established name in over 40 countries across three continents. A name that is synonymous for innovative excellence in hot water. And by continuously pushing the envelope of technological excellence, we'll continue being that well-known promising name.



EXCELLENCE IN SERVICE



**EXCELLENCE IS
FOUND IN 100%
DEDICATION TO
CRAFTSMANSHIP**

**SINCE
1922**

Our excellence in hot water also means that we aim to be excellent in supporting you. That is why we always go out of our way to offer you our full assistance whenever you need it, wherever you need it. The trust and experience we have in the quality of our product give us the opportunity to offer you a wide range of warranties on our products.

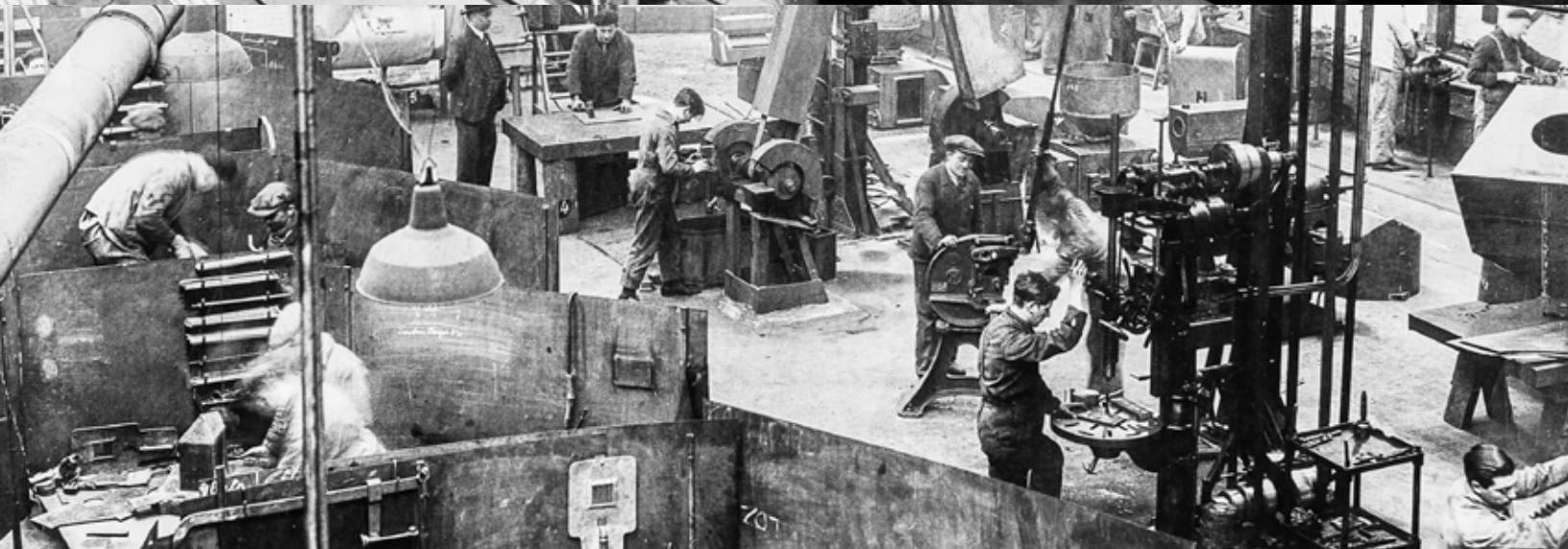
Warranties

ACV Triangle Tube warrants the Prestige, Challenger, Comfort and Heatmaster heat-exchangers to be free from defects in material or workmanship for a 10 year Limited period. On Prestige parts a 5 year limited warranty applies. On parts of the Challenger, Comfort and Heatmaster series ACV Triangle tube offers a 1 year warranty. For our Smart range of Indirect Fired Water Heaters we even offer a Limited Lifetime Warranty on the heat exchanger and a 1 year warranty on parts. This all means that ACV Triangle Tube will repair alternatively, replace the component part of the fire heat exchangers, condensing boilers and water heaters within the warranty period.

For more detailed information on service and additional warranties on our different product ranges, you can consult our online tools. At any time, here you can access our regularly updated knowledge base.

Need a spare?

In need of a spare part for a device that is no longer being produced? Don't panic! In our large catalogue we keep spare parts available for a minimum of 10 years after discontinuation. And of course, you can also find the parts you need for your current devices. A detailed technical drawing helps you find your device of choice instantly.



Our Excellence in Hot Water in six bullets:



Stainless steel

Elevates our products to an outstanding level of reliability and durability



Integrated solutions

All our products work together as a team to fulfill every expectation



Quality

The highest quality of materials, technical experts, and production line management result in high quality solutions



Lifetime values

Most of ACV Triangle Tube products can be adapted to renewable energy sources



Product innovation

Our commitment to in-house R&D results in a unique and advanced product range



Contractor Resources

Get all the support you need with training, system design, advice and service from our proactive local support teams

CONTACT

If you have any questions or comments regarding our products and services, we'd love to hear from you! Please contact us through one of the options listed below.

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