

HORTICULTURAL APPLICATIONS •

 • enalco •



Exhaust gas condensers CO₂ Units Chimneys





Maximum durability as well as optimum output!

Enalco systems go further

SPECIALIST IN HORTICULTURE

'Output' is key in greenhouse horticulture. Output in energy consumption and output during the optimisation of growing conditions for crops. As a supplier of exhaust gas condensers and CO₂ units for greenhouse horticulture, Enalco delivers a significant contribution to that output. We are specialists in horticulture, know the wishes and needs of greenhouse businesses and respond to this with a complete range of heat recovery heat exchangers, condensers and associated equipment. With Enalco's flexibility, we can create a custom solution for every situation, on the basis of maximum durability as well as optimum output!

OPTIMUM INTEGRATION

By combining different disciplines under one roof, we are capable of creating scale benefits for fitters and end users: the optimum integration of the different systems is ensured. The requirements from customers demands

exhaust gas condensers, CO₂ units or chimneys vary from case to case. On the basis of the specifications of the fitter and grower we develop tailor-made solutions. Solutions which are a perfect fit for your boiler installation – literally and figuratively.

LEADERS FOR 30 YEARS

Experience is the key to providing custom work in horticultural systems, along with the ambition to supply the best quality. Enalco goes a long way in this. Good advice on possibilities, selecting materials with a keen eye for durability, introducing innovative production techniques to ensure efficiency, operating flexibly: these are characteristics of Enalco over 30 years. This approach means that we are well known in the Netherlands and abroad as the best suppliers of exhaust gas condensers, CO₂ units and chimneys.

The key to maximum energy efficiency

1. Condensers

MAXIMUM ENERGY EFFICIENCY

Energy is a valuable production factor in horticulture. And according to the trend, this production factor will only become more expensive in the future. This is why energy saving in horticulture has seen a boom. The exhaust gas condenser allows a business to work effectively towards these savings.

SAVINGS OF UP TO 10%!

Fitting an exhaust gas condenser behind the boiler enables businesses to recover heat from exhaust gases. Depending on the type of condenser, the savings can be up to 10%! Enalco offers the technical possibility of actually achieving these savings in practice.



Plate condenser ready for transport



OUTPUT COMES FIRST

The aluminium tube condensers and stainless steel lamella-condensers are known for their high output combined with great durability. Our own engineering enables us to dimension an exhaust gas condenser on the basis of boiler specifications, using reliable calculation techniques. The choice of the most suitable type for your operation depends on your requirements and the space available to you. The aluminium tube condenser offers high output while the stainless steel plate condenser is compact in size.

DURABILITY GUARANTEED

In both cases, you are assured of high quality. Enalco works with the best materials. This guarantees that your condenser is corrosion-resistant and that durability is optimum. Also with regard to life cycle, it is always possible to inspect the condenser on the exhaust gas side and with all the expertise for assembling it from A to Z in house, you can also be certain that the condenser is perfectly tailored to your heating system.

Optimum use of 2. CO₂ Units

GROWTH FACTOR

CO₂ is a significant growth factor in greenhouse growing. The right CO₂ installation helps you kill two birds with one stone: the efficient reuse of a by-product during the heating process and encouraging crop growth with CO₂ fertilisation. This is why such high standards are set for the quality of CO₂ units.

HIGH STANDARDS

These are the same high standards Enalco sets of its CO₂ units. Using the latest insights and the most efficient technologies, we develop custom-made CO₂-units, geared to any boiler specification. Reliable calculation methods guarantee the right capacity of your CO₂ unit.



CO₂-unit ready for transport



MORE OUTPUT FROM YOUR CO₂ SYSTEM

As a specialist in CO₂ units we are familiar with all the aspects which determine the output of CO₂ production. This starts with providing custom work. Every detail matters. We use the latest computer models to calculate the required capacity, the pressure distribution, the length of piping and the distribution of CO₂ through the greenhouse.

MAINTENANCE-FRIENDLY

As we use materials with proven durability, you are assured of a CO₂ unit that guarantees years of problem-free production. You can see Enalco's eye for detail in the CO₂ valve, for example: to ensure the uninterrupted operation of your system, the valve is always made of stainless steel. Corrosion is a thing of the past and maintenance is kept to a minimum.

SAFETY IS ASSURED

As you'd expect from a supplier like Enalco, your CO₂ unit operates in accordance with the very latest legal guidelines. All CO₂ units are built compliant to the GIVEG quality mark. In other words, the electrical system meets the highest safety standards. Units can be installed on site quickly and fully wired.

The right chimney for every installation

3. Chimneys and stacks

CHIMNEYS FOR EVERY SYSTEM

Every system needs a different chimney. Enalco's strength is the absolute certainty that our chimney is also the most ideal for your system. As an addition to our complete range for flue gas systems we design, construct and manufacture chimneys to your specification and in any diameter you require.

THE BEST MATERIALS

We can produce any chimney from 200 mm diameter, according to the same strict philosophy which leads to top quality in the case of the other components: proper consideration in the engineering stage, using every imaginable modern technology and computer application in the construction phase, and using the best quality materials such as aluminium, Corten plate or stainless steel. Enalco is up to date with all the standards for chimneys.

According to the type of gas, the tensile strength, condensation and temperature, you can depend on perfect thermal and mechanical properties.



Enalco stainless steel chimneys



COMPLETE IN EVERY DETAIL

Because we use standard elements, the chimney can be built completely to specification. With bases, chimney segments, rain caps, internal rain walls, wall and roof lead-throughs and attachments for boiler connections. The perfect assembly is handled by welders with all the necessary qualifications, using advanced production techniques.

FLEXIBLE PARTNER

We are also flexible partners in the further development of your chimney. Would you like part of your chimney to be sprayed in colour? Do you want a freestanding position, through the roof or using supports? Do you require an inspection hatch? Enalco can also handle the entire installation. Every chimney that leaves our factory complies with every requirement regarding security and durability. It is also calculated to suit exactly the installation you require.

ENALCO: EVERYTHING UNDER ONE ROOF

Enalco offers you the security of having the entire process after boiler installation under one roof. We can also provide a custom solution with our complete range. Due to the optimum integration of Enalco products, you need no longer worry about components being geared to each other. Furthermore, Enalco can guide you from advice through to aftercare. If you would like to know more, feel free to contact us.



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