



OHF

OHF 4.0 / OHF 6.0 / OHF 9.0 / OHF 12.0



Cutting-edge technology based on hydrogen flame generated from water and electricity. The future of brazing.

The OHF gas generators produce endless clean and high performance fuel from hydrogen and oxygen. These electrolyzers operate from an abundant and easy to extract and store source: water. The temperatures of the resulting flame are in excess of 2700°C, which permits brazing in a large number of industry applications without the need to adjust processes and products. The decarbonized flame obtained provides a number of environmental and safety benefits, such as the absence of hazardous UVs and the reduction of the noise emitted by the flame. In addition to its use in brazing and heating in the HVAC industry, automotive, railways, aerospace, electric equipment, jewellery and art, this flame can also be used for cutting without fumes.

The range of OHF machines permit working with gas supply rates from 0 to 3200 litres/h, combining productivity, safety, and quality both for people and the environment.



The dyomix® solution

The OHF equipment offers a comprehensive solution of generators and accessories designed for brazing professionals or large consumers of fossil gases. Our staff will assist you in ensuring the training and commissioning on site of all our machines featuring a 24 month warranty.

Piezoelectric Igniter

Simplified, safe flame ignition. The gas mix generated by the machine is systematically identical and creates 'the perfect flame'.

Gas Economizer

It is possible to shut-off the supply of the torch while keeping the brazing settings.

OHF Benefits

Mobility: It allows you to carry the brazing machine to where it is required and move it elsewhere at the end of the job.

Dyomix® Gas Generator

- Easy installation and transport.
- Easy "Start & Stop" operation.
- On-demand production.
- Consistent gas quality.
- Optimum safety: auto-leak test.
- Access to production data.



Flash-back Arrester

Flash-back arrester system built into the torch.

The OH Torch:

Lightweight, ergonomic handle.

Swivel fitting.

Flow rate adjustment control.

Extensive range of lances and nozzles.

The Brazing World is Changing. And you?

With the OHF you can start heating, brazing or hydrogen cutting.

Use a reliable, sustainable, economic and high-performing technology for the sustainable development of your business. Following our review of your project, including installation, training and maintenance, Castolin Eutectic will accompany you in your move to hydrogen flame technology.

MODEL	OHF 4.0	OHF 6.0	OHF 9.0	OHF 12.0
Power	4 kWh	6 kWh	9 kWh	9 kWh
Number of outputs	1	2	2 to 4	2 to 4
Production	1,050 l/h	1,600 l/h	2,250 l/h	3200 l/h
Consumption	0.55 l/h - 0.11 l/h	0.85 l/h - 0.17 l/h	1.2 l/h - 0.24 l/h	1.7 l/h - 0.34 l/h
Pure water - Modifier				
Dimensions in mm	H766, L453, P758	H935, L453, P758	H972, L703, P913	H972, L703, P913
Height, length, depth				
Weight	154 kg.	179 kg.	276 kg.	297 kg.

Test our OHF equipment in your workshop

A Castolin Eutectic expert will be pleased to visit your facilities, so that you can test the solution in your real application environment. Our expert teams and Technical Department will help you to evaluate the best machine configuration depending on your requirements.

Our Support "Ready to start"

Our expert teams will support you in the installation and commissioning of your hydrogen solution, including machine training for your operators.

Advise, Reviews, Bespoke Training

Castolin Eutectic will be able to support you with consultancy and training in the use of the OHF equipment according to your specific needs, with the main focus on seamless integration in your structure and processes.

OHF 6.0



Stronger with Castolin Eutectic

www.castolin.com

www.eutectic.com



Economic

Consumption is just electricity and a bit of water



Production on Demand

No storage of gas or piped distribution of gas. Low Operating Pressure.



Production Management

Production data available on the machine



Mobile

Easy installation and transport



-94% Global Carbon Footprint

Limited impact on the environment



Less Noise

Noise lower than 80 decibels





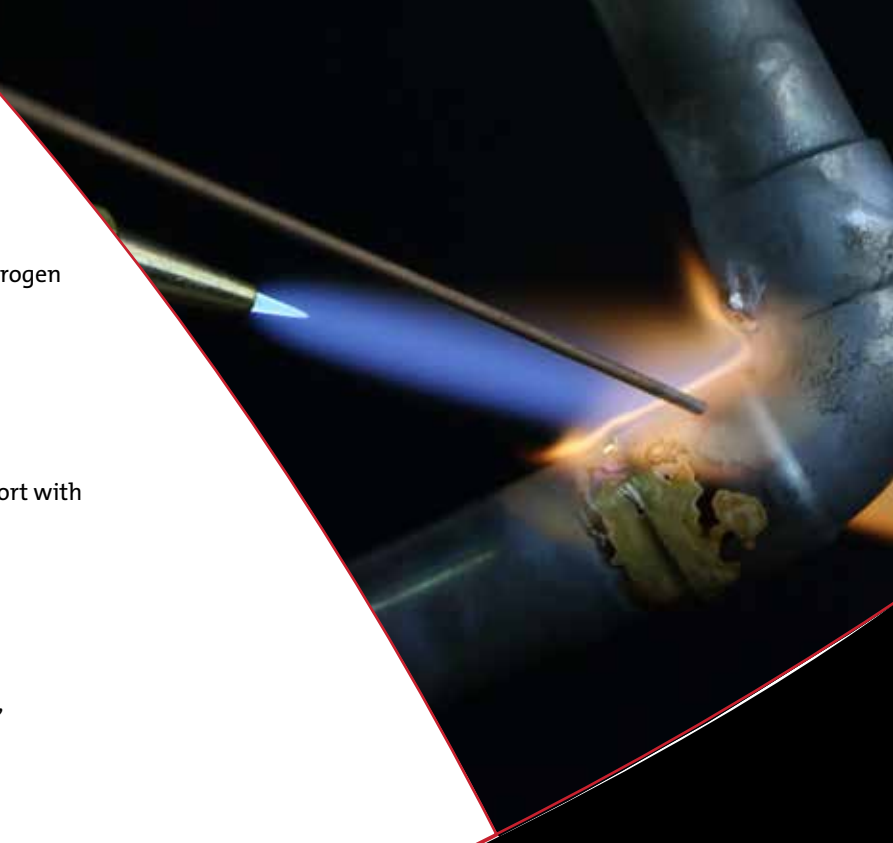
High Performance Flame >2700°C
Quick brazing owing to the high hydrogen calorific capacity



Light Torch, one Single Tube
Better handling and operating comfort with built-in safety.



Gas Mix Smart Management
Systematic and without adjustment, chemically perfect for brazing



OHF 12.0



Fume-free Flame
Without carbon and less toxic.



Zero Hazardous UV Flame
No need for tinted goggles



Stronger with Castolin Eutectic

www.castolin.com www.eutectic.com



OHF



www.castolin.com

Castolin Eutectic France

BP 325 – 91958 Courtaboeuf Cedex
Phone : 01 69 82 69 82 Fax : 01 69 82 96 01
service.commercial@castolin.fr • www.castolin.fr