

The next generation,
state-of-the-art
hydrogen flame

dyomix®

A clean combustible generated from water and electricity
A new generation hydrogen flame



The Bulane technology allows you to produce anywhere a clean and performant combustible from the oxygen and the hydrogen present in the water.

The such generated combustible frees you from the constraints linked to the extraction, the distribution and the storage of hazardous gases.

The combustion of the oxy-hydrogen gas can reach very high temperatures, does not flare ultraviolet light and emits very little CO2 in the atmosphere. The generated flame is especially suitable for the assembly of metals: brazing in jewelry, hvacr, and electric production.

From 2009 on, Bulane develops the dyomix® solution: a product line of generators, services and accessories for brazing specialists. A good number of leading industrial actors in the field in Europe have adopted these new equipments uniting productivity, safety, quality, and respect of man and environment.

With these differentiated applications Bulane demonstrates to this day how important the economical impact of hydrogen solutions is, solutions ready for important developments in the near future.

They have adopted dyomix®





The dyomix[®] solution

Bulane offers a complete solution for brazing professionals, going from a full range of generators, through accessories, service assistance up to the start up after installation.

All our material falls under a 24 months warranty.

Our technical department will accompany you in the definition of the best options of the dyomix[®] solution in your case.

The dyomix[®] gas generator

- ▶ Easy installation and moving around
- ▶ Easy to use Start & Stop
- ▶ Production on demand
- ▶ Invariable gas quality
- ▶ Optimal security: integrated auto leak test
- ▶ Access to production data

Piezoelectric igniter system

Safe and simple lighting of the torch

Gas economizer system

Allows to extinguish the torch by cutting the gas supply without losing the settings

Flashback arrestor security system

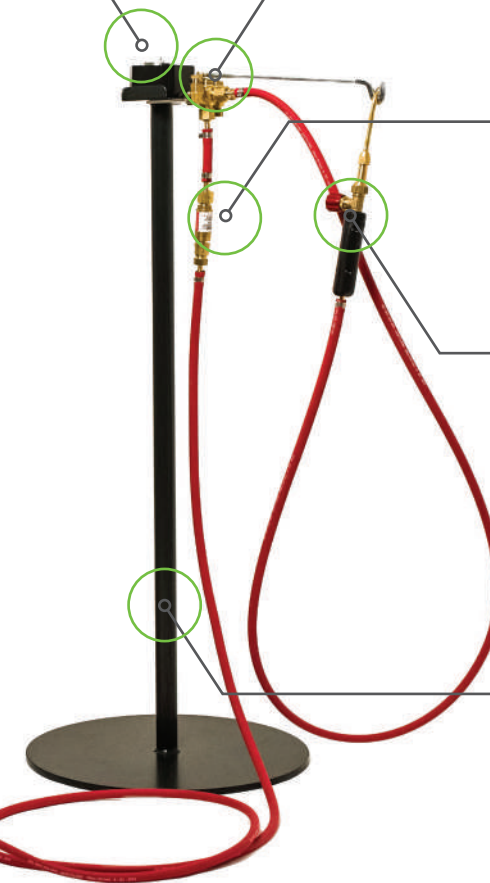
Flashback arrestor security system with integrated safety

The dyomix[®] torch

- ▶ Light and ergonomic handle
- ▶ Turning fitting
- ▶ Output regulating tap
- ▶ Large range of spears and nozzles

The dyomix[®] stand

Allows you to position your brazing station anywhere you wish



For flame applications for professionals

STRONG BRAZING - SOFT BRAZING - SOLDERING - THERMIC SURFACE TREATMENT

Hvac equipments



Refrigerant equipment



Motors, transformers electric



Glass working



Oxycutting



Jewelry and precious metals



Soldering



Flame polishing



Brazing stations respectful of man and his environment



Cost-effective
Consume water and electricity



High performance flame > 2500 °C
Fast brazing



Gas production on demand
No distribution network and no gas storage



Lighter torch, one single hose
More maniable and convenient



Monitor your activity
Follow the activity of your production chain in real time



An intelligent gas generator
An optimised flame setting



Flexibility and mobility
Easy installation and moving around



Flame without any fumes
Less toxic



-94% global carbon imprint
Lower environmental impact



Zero UV light
No more tainted goggles



Less loud
– 25dB(A) more silent

Professionals Testimonials

Institut de Soudure

“We chose the dyomix technology because it’s a clean technology that can be an alternative solution to today’s technologies.”



www.bulane.fr/is

DeDietrich

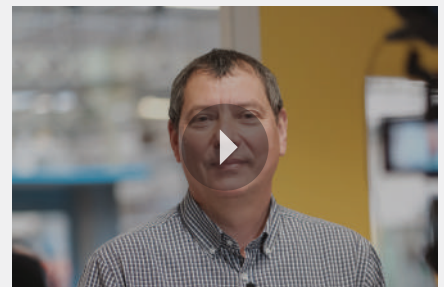
“One dyomix allows savings of 5 tons of CO2 per year, which corresponds to 30 000 KM driven per car.”



www.bulane.fr/dd

Samov Emerson

“The light torch is maniable, the flame remains constant and is easy to use. This solution does not require tainted safety goggles; a wonderful innovation for the operators.”



www.bulane.fr/samov



| Generators | dyomix® 2 | dyomix® 4 | dyomix® 6 | dyomix® 9 | dyomix® 12 |
|---|---------------------|---------------------|---------------------|--------------------|--------------------|
| Power | 2 kW/h | 4 kW/h | 6 kW/h | 9 kW/h | 12 kW/h |
| Number of gas outlets | 1 | 1 | 2 | 2 to 4 | 2 to 4 |
| Production | 550 L/h | 1 050 L/h | 1 600 L/h | 2 250 L/h | 3200 L/h |
| Consumption pure Water - Modifier | 0,30 L/h - 0,06 L/h | 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 |
| Dimensions en mm Height, Length, Width | 670, 456, 640 | 766, 453, 758 | 935, 453, 758 | 972, 703, 913 | 972, 703, 913 |

The world of brazing is changing. And you?

With dyomix®, change over to hydrogen brazing. Adopt a new reliable, responsible, economical and performing technology serving the development of sustainability of your company. From the first study of your project up to the installation, the skills training and the coaching of your maintenance team, Bulane will accompany you throughout your passage to the hydrogen flame.

Try dyomix® in your workshop

Receive a dyomix® expert in your workshop to test our solution in real conditions of your application. Our teams and our technical department will help you evaluate what the best configuration is according to your needs.

Our accompanying measures « Ready to start »

Our teams accompany you through the installation, the start up of your dyomix® solution, and through the skills training of your operators for the usage of the equipment.

Garantee and support over the maturity

The dyomix® equipment falls under a 24 months warranty. With the Premium Garantie, you can benefit from a support and an intervention within 24 to 48 hours, including a replacement machine in case repairs in our factory is necessary.

Consulting, studies, customized training

Bulane lets you benefit from its own team of selected partners, in matters of consulting, studies and specific training for your personal applications (Institut de soudure «welding institute», metal alloy producers, occupational health...).



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