

Castolin®



OHM

Oxy-Hydrogen Mobile 3.0

DISCOVER THE PERFECT FLAME

Portable, smart, safe gas generator.
dyomix technology

Intuitive device to use, totally « Plug & Braze » !

High-performance flame
(T°C > 2700°C, very high thermal conductivity)

Total cost of ownership is drastically lower than all
other market solutions

Ergonomic safety blow torch and swivel

Revolutionary flame that will make you forget the
Oxy-Acetylenic mixtures



Castolin

With CleanTech dyomix® it is possible to easily produce a clean high-performance fuel from the oxygen and hydrogen naturally present in water, with no storage requirements.

The flame produced by this process, burns at more than 2700°C, and is particularly suitable for the needs of those professionals using a flame torch in their daily work.

The dyomix® flame obtained is compatible with all brazing products (filler metals and fluxes) on the market. No new specific training is required.

The dyomix® oxy-hydrogen flame technology has been used and tested intensively in the industry since 2009. Compact and equipped with wheels, the Castolin dyomix® OHM 3.0 is a major innovation, 100% made in France. It is intended both for professionals who need mobility and industrial manufacturers using the flame in their processes and seeking great flexibility along with a very low total cost of ownership.

TECHNICAL DATA

HYDROGEN/OXYGEN PRODUCTION

- ▶ Service pressure **up to 1,5 bar**
- ▶ Maximum flow rate **750 l/h**
- ▶ Run time* **about 45 min***
*at 100% between two refills.
- ▶ Flame temp **> 2 700°C**

ELECTRICITY, WATER AND ADDITIVE

- ▶ Single-phase power supply **230 Vac – max 16 A**
- ▶ Duty factor **100%**
- ▶ Rated power **up to 3 kW (normal mode)**
- ▶ Pure water consumption* **0,4 l/h (normal mode)**
*Water with the purity level recommended by Castolin.
- ▶ Additive consumption* **0,16 l/h (normal mode)**
*Additive meeting the purity level recommended by Castolin.

ELECTRONIC FUNCTIONS, INSTRUMENTS AND INTEGRATED SYSTEMS

- ▶ Buttons and indicator lights
- ▶ LCD screen with real-time user messages
- ▶ Visual and audible alarms (LEDs and buzzers)
- ▶ « Auto leak test » function
- ▶ Integrated safety functions
- ▶ USB telephone recharge
- ▶ Safety system
- ▶ 1 pressure gauge + digital display
- ▶ Electronic pressure controller
- ▶ Ergonomic auto-pilot flame (flame colouring system and gas odourisation for greater safety)
- ▶ 1 quick connector with seal and safety lock

SAFETY AND COMPLIANCE

- ▶ CE marking
- ▶ Safety systems with CE certificate (Cat. IV DESP 97/23/CE)
- ▶ IP21
- ▶ Flashback arrestor systems
- ▶ Self-extinguishing plastic housing (UL94 V2 and HB)

DIMENSIONS, WEIGHT AND HANDLING

- ▶ Length x Depth x Height (mm) **403 x 361 x 974**
- ▶ Weight **51 kg**

PRODUCTS REFERENCES

DESCRIPTION	ESC CODE	REFERENCE
CASTOLIN OHM 3.0 - without Torch	767664	30 OHM
H2O OHM 3.0 5L	765507	24 H2O 5000
H2O OHM 3.0 250ml	765270	24 H2O 0250
Additive for OHM 2.4 5L	765508	24 ADD 5000
Additive for OHM 2.4 125ml	765271	24 ADD 0125
Kit AutoFlam 30 for OHM 3.0	767661	
CASTOLIN OHM 3.0 Export	768294	

