

Castolin dyomix® OHF

Cutting-edge technology based on hydrogen flame generated from water and electricity

OHF is the latest generation of powerful all-in-one brazing and flame cutting equipment. The gas generators are offered in 4 power levels from 4 to 12 kW/h and gas production rates up to 3.200 l/h.

Using state-of-the-art dyomix® technology, the OHF gas generator converts water into a clean, virtually CO₂-free, hydrogen/oxygen fuel gas. At the push of a button, the innovative electrolysis technology continuously produces a fuel gas for a low odour, low-glare and low-noise high-performance flame with a temperature around 2.700 °C without UV radiation.

The good visibility of the solder joint leads to an increase in the quality of the brazing result.



Economic

Uses water and electricity



Production management

Production figures can be read in real time on the display



High-performance flame >2.700 °C

Fast brazing thanks to the high hydrogen heat capacity



On demand production

No storage of hazardous gases or distribution via pipelines. Low operating pressure



No flame from fossil hydrocarbons

Clean room air without hazardous combustion residues



Flame without UV radiation

It is possible to do without tinted glasses

Accessories

Designation	ESC
AutoFlam OH package (with torch, 1 piloted nozzle and 2x 1,5 nozzles, 5 m hose, quick connector - male, safety goggles, gas lighter)	765267
AutoFlam OH torch (only torch with piloted nozzle)	765256
OH piloted nozzle	765259
Mono dart nozzle 1,5 OH	765260
Mono dart nozzle 1,9 OH	765261
CASTOLIN ultrapure water (250 ml bottle)	765270
CASTOLIN ADDITIV (125 ml bottle)	765271
CASTOLIN Ultrapure water (5 l bottle)	765507
CASTOLIN ADDITIV (5 l bottle)	765508



TECHNICAL DATA		OHF 4.0	OHF 6.0	OHF 9.0	OHF 12.0
ESC		769437	768306	769438	769441
Power		4 kWh	6 kWh	9 kWh	12 kWh
Torch connections		1	2	2 – 4 ¹⁾	2 – 4 ²⁾
Gas production rate		1.050 l/h	1.600 l/h	2.250 l/h	3.200 l/h
Consumption	Ultrapure water	0,55 l/h	0,85 l/h	1,2 l/h	1,7 l/h
	Additive	0,11 l/h	0,17 l/h	0,24 l/h	0,34 l/h
Dimensions (L x W x H in mm)		740 x 453 x 766	740 x 453 x 935	976 x 703 x 972	976 x 703 x 972
Weight		138 kg	172 kg	276 kg	312 kg

¹⁾ESC 769438: 2 torch connections / ESC 769439: 3 torch connections / ESC 769440: 4 torch connections

²⁾ESC 769441: 2 torch connections / ESC 769442: 3 torch connections / ESC 769443: 4 torch connections