

Combustion Abatement System EBARA G5



Product Features

- Abatement system for an **efficient treatment of waste gases as SiH₄, TEOS, ClF₃, NF₃, C₂F₆, CF₄**.
- Principle: Waste gas abatement systems using **thermal decomposition by combustion** and **gas scrubbing** (burner/washer).
- Evolution model of GDC250 series with the target of simplified system configuration and maintenance ability.
- Field proven “Rolling Burner™” enabling to achieve **highest abatement efficiency**.
- New reactor design to **minimise condensation of by-products**.
- Burner scraper operation during combustion.
- **Reduced footprint** and **maintenance completely from front side**.
- Fuel: **Natural gas (LNG) or Propane**.
- **Various options** comply with customer’s needs & requirements.



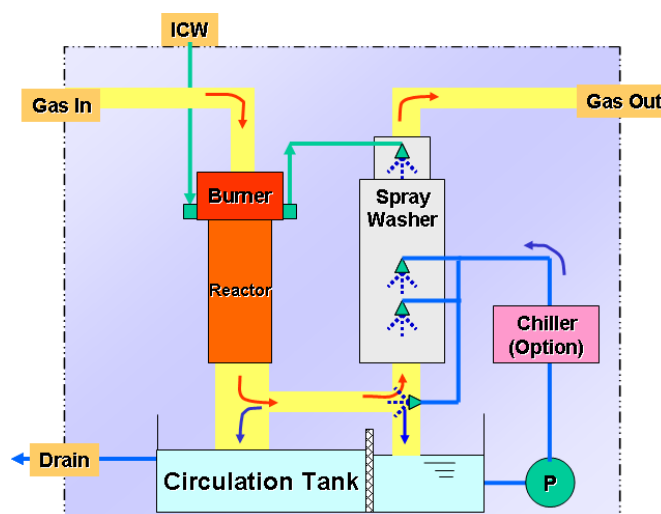
Specification

- Maximum inlet flow rate: 350 l/min
- Inlet ports: max. 4 ports DN40 KF
- Dimensions: L1200 x D650 x H1900 (0.78 m²)
- Weight : 550 kg
- Media consumption:

Fuel LNG	13 to 25* slm
Fuel Propane	6 to 11* slm
Air (for oxidation, purge)	100 to 165* slm
Oxygen	21 to 58* slm
N ₂	13 slm
City water	10 l/min (3 l/min**)
Cooling water	3 l/min

* with PFC combustion

** water saving model



Flow chart (simplified)

Our Services

EBARA Precision Machinery is a global, world-leading manufacturer of vacuum and gas abatement equipment as well as advanced technology products for front-end and back-end manufacturing. We are focused on the Semiconductor and Photovoltaic Applications and on further sophisticated Industries.

The Components division provides Vacuum Pumps, Waste Gas Treatment Systems as well as Total Turnkey Vacuum and Abatement Solutions. The Systems group provides Manufacturing Systems such as Chemical Mechanical Polishers and Electroplaters.

EBARA Precision Machinery Europe's reputation is based on proximity to the customer, fast responsiveness, complete service coverage and its full commitment to quality and customer satisfaction. Product reliability and robustness is also a key to our success.



The service offering includes:

- Installations
- Overhaul service
- Preventive and corrective maintenance
- Project planning and system engineering
- Training
- 7 days a week, 24 hours service contracts
- 24 hours on call service

The largest companies in the industry rely on EBARA's superior service coverage by sub-contracting installation, spare part exchange, full time preventive and corrective maintenance and data evaluation to our local service offices.

In Europe – our overhaul centre in Livingston/Scotland with a capacity of 800 pumps a year is fully equipped with the most advanced facilities and tools to provide fast failure analysis, decontamination and repair of dry, turbo molecular and cryo pumps.

Branch Offices

European Service Centre

2-4, Adam Square, Brucefield Ind. Estate
GB-Livingston, West Lothian EH54 9DE
Scotland

Phone: +44 (1506) 460232

Email: info_pmu@ebara-pm.eu

AUSTRIA

Schloss Premstätten
A-8141 Unterpremstätten
kherrmann@ebara-pm.eu

FRANCE

8/10, rue du Bois Sauvage
F-91055 Evry

Phone: +33 (1) 608700-00

E-mail: info_pmf@ebara-pm.eu

GERMANY

Zur Wetterwarte 50, Haus 133
D-01109 Dresden

Phone: +49 (351) 888 5760

E-mail: info_pmg@ebara-pm.eu

IRELAND

Mailstop IR6-2-1
FAB24 Collinstown Industrial Park
Leixlip, Co. Kildare

Phone: +351 (1) 60 67 16 3

Fax: +351 (1) 60 65 04 5

ISRAEL

38 a d'Israeli st.

Haifa 34334

Phone: +972 (4) 8343966

E-mail: info_pmi@ebara-pm.eu



European Headquarters

EBARA Precision Machinery Europe GmbH
Rodenbacher Chaussee 6
63457 Hanau / Germany

Phone: +49 (6181) 1876-0

Fax: +49 (6181) 1876-40

Email: info_pm@ebara-pm.eu

Net : www.ebara-pm.eu