

New 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** (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.



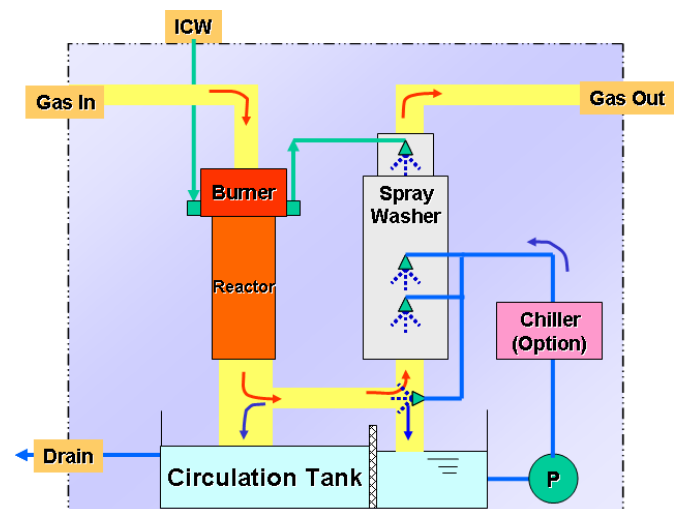
Specification

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

* with PFC combustion

** water saving model



Flow chart (simplified)

Global Support Network

Our Services

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 and reputation.

The service offering includes:

- Installations
- Overhaul service
- Preventive 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, turbomolecular and cryo pumps.



Japan

EBARA Field Tech Corporation
4-2-1 Honfujisawa Fujisawa-shi, Kanagawa 251-0875, Japan

Korea

EBARA Precision Machinery Korea Inc.
15FL, Kangnam Bldg., 1321 Seocho-Dong, Seocho-ku,
Seoul, Republic of Korea

People's Republic of China

Shanghai EBARA Precision Machinery Co., Ltd
Zhangjiang High-Tech Park, No76, Lane 887, Zuchonggzhi
Road, Shanghai, 201203, People's Republic of China

South East Asia

EBARA Engineering Singapore Pte., Ltd
No.1 Tuas Link 2, Singapore 638550

Taiwan

EBARA Precision Machinery Taiwan Inc.
Room.1402, No.96, Chung Shan N.Rd, Sec.2, Taipei, Taiwan

USA

EBARA Technologies Incorporated
51 Main Avenue Sacramento, CA 95838, USA

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