

Monoblock Burner **EUROTHERM**

**Economic
Eco-friendly
Ease of Servicing**



Combustion and Energy Systems

Technical Excellence

- Growing dynamism in global competition with regard to quality, time and cost-benefit ratio,
- minimal emissions for the protection of environment and resources,
- maximum flexibility regarding choice of economical fuel,
- continuous optimisation of all systems and components, worldwide service:

Economic Efficiency is Integral to Burner Technology



For more than 70 years our burner systems have proved their efficiency daily. Due to the success in the world's industrial thermal markets we have turned these requirements into technical reliability, first-rate engineering, power of innovation, and comprehensive service. More than 100.000 burners worldwide in every field of industry and process technology as well as more than 4.000 marine engines perform successfully for our customers.

Clean combustion with maximum efficiency, low emission rates, excellent operational reliability and, moreover, fast and 'easy' adjustment to individual environments and requirements secure your investment long-term.

The modular burner systems meet all their operators' requirements. Today and in the future. Standardised components and numerous variants allow a maximum amount of flexibility.



Our technological lead is founded on the readiness and ability to continuously improve our products and services and is supported by our own extensive research and development.

In co-operation with SAACKE, customers profit from the broad performance spectrum of our experience, the comprehensive competence of the worldwide operating system-supplier and from customer proximity through the global network of service partners – it's all in one.



EUROTHERM HG Gas Burner

HG 10 - HG 60

burner capacity:

0.4 - 5.1 MW

boiler output:

approx. 0.5 - 6.0 t/h



EUROTHERM HL Light Oil Burner

HL 10 - HL 60

burner capacity:

0.4 - 5.4 MW

boiler output:

approx. 0.5 - 6.0 t/h

- economic efficiency by optimised combustion
- environmental protection by Low-NO_x engineering
- trouble-free servicing with standardised components and easy operations
- highest quality standard by latest state of production engineering and application of ISO 9001 quality management system
- CE-certification / type certification according to EN 267 and 676



EUROTHERM HLG Dual Fuel Burner

HLG 20 - HLG 60

burner capacity:

0.55 - 5.1 MW

boiler output:

approx. 0.7 - 6.0 t/h



EUROTHERM HM Medium Oil Burner

HM 15 - HM 60

burner capacity:

0.5 - 4.6 MW

boiler output:

approx. 0.7 - 6.0 t/h

Systematic Progress: EUROTHERM

Environmental and Economic Efficiency

For any operating point combustion airflow is smoothly micro-adjusted by the stabilising disk being moved according to performance.

The optimised balancing of the fuel-air mixture improves combustion efficiency which actively reduces fuel consumption. Oil combustion is enhanced by employing a centrally positioned spill-return nozzle. This together with SAACKE's Low-NO_x engineering minimises emission rates and thus advances environmental protection.



Low-NO_x mixing system

*Smooth adjustment
of the stabilising disk*

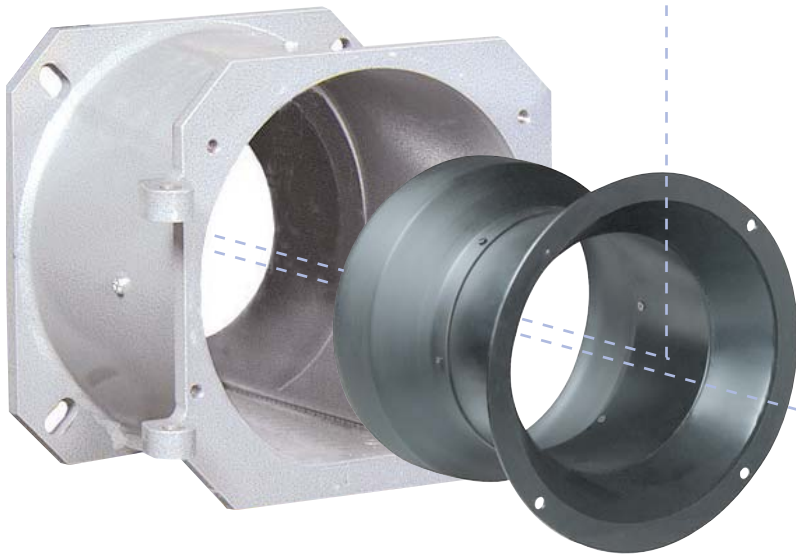
Easy-to-service and Reliable

SAACKE's EUROTHERM product line is a modular system. Maintenance as well as installation of complete functional groups are therefore very fast and easy. Well-established unified components reduce stockkeeping of spare parts, allow for fast servicing and guarantee high operational reliability.

Set points – positioned wherever necessary – support efficient adjustments.

The electronic connections consist of failure safe plug-ins. The burners are completely wired by the manufacturer and mechanically pre-adjusted which guarantees fast and easy commissioning.

- burners swing out both ways
- mixing system completely detachable
- well-established components – increased safety
- modular system – fast servicing



oil module



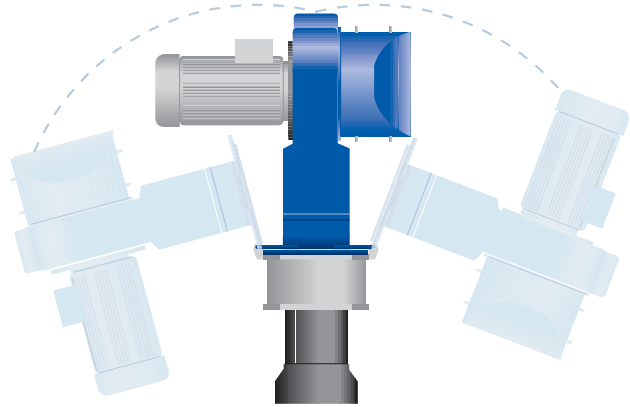
gas module



Easy Maintenance in Full Detail

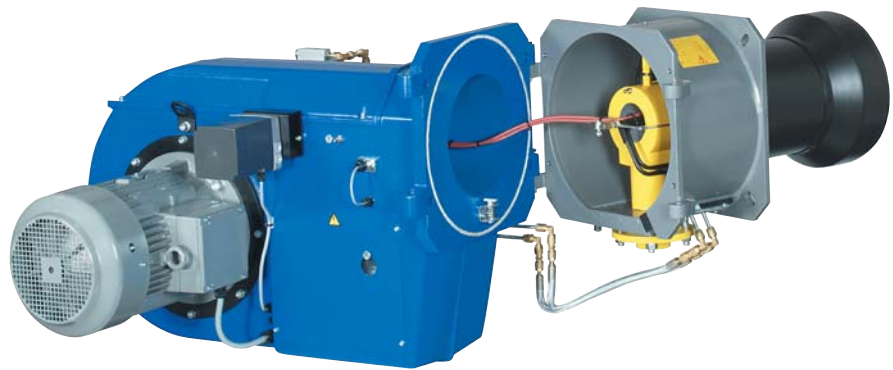
Easy Swing-out

Special construction properties allow for the burner to swing out both ways. The burner remains permanently attached to the boiler during servicing.



Easy Operations

With all burner types an easy removal of the complete mixing system including stabilising disk and flame head via the burner throat is possible in swing-out position. Neither gas nor oil leads to the burner have to be disconnected.

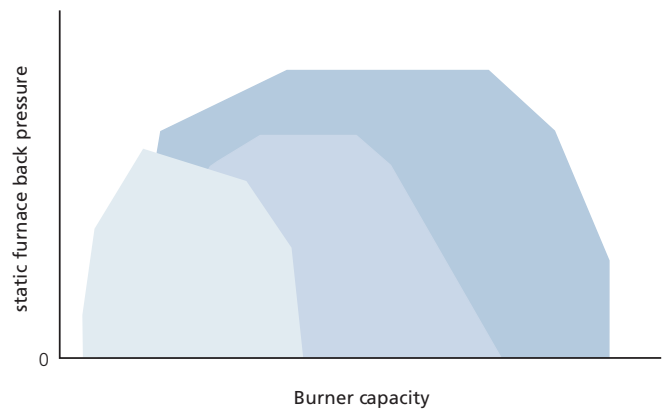


Performance Counts: EUROTHERM Burner

Burner Selection

SAACKE's EUROTHERM burners as Monoblock burners offer a balanced system together with SAACKE related safety and control units. The product line includes gas burners, light oil burners, medium heavy oil burners (up to 60cSt/50°C) as well as dual-fuel burners (light oil/gas). Depending on performance rating SAACKE's EUROTHERM burners are available as high-low controlled or modulating units. For a burner selection diagram and detailed specifications on each of the different burners please refer to the respective Technical Documentation.

Burner selection



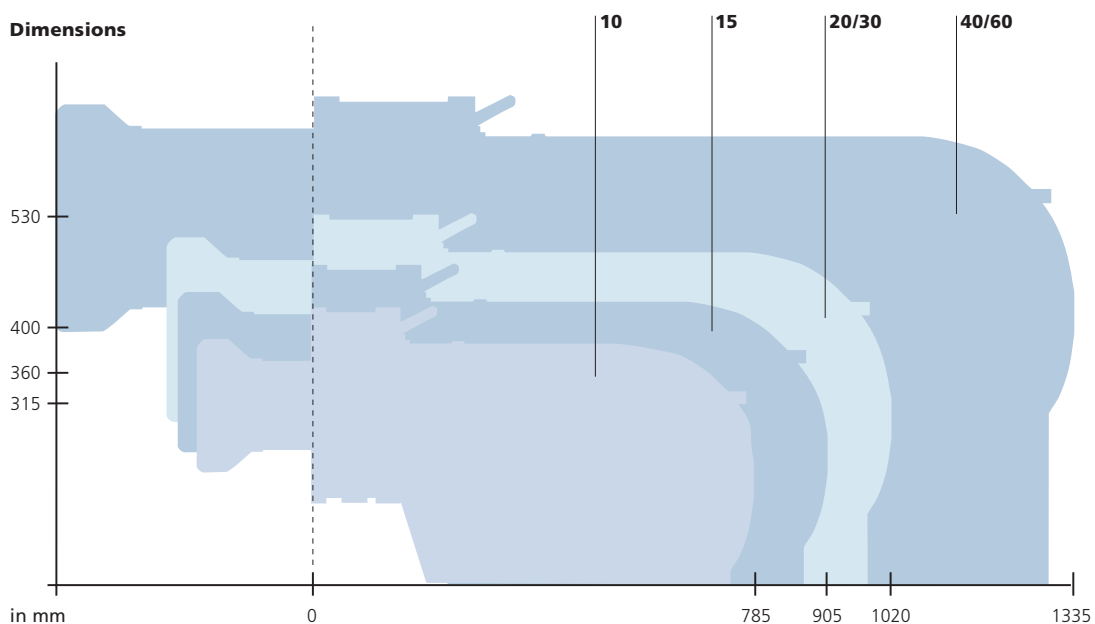
EUROTHERM: Capacity Burner HG (Natural gas)

Burner type	Burner capacity MW	Boiler output t/h	Min. firing rate gas MW
HG 10	0.83	1.0	0.24
HG 15	1.21	1.5	0.29
HG 20	2.05	2.0	0.39
HG 30	2.40	3.0	0.46
HG 40	4.10	4.0	0.61
HG 60	5.10	6.0	0.92

EUROTHERM: Capacity Burner HL (Light oil)

Burner type	Burner capacity MW	Boiler output t/h	Min. firing rate oil MW
HL 10	0.91	1.0	0.24
HL 15	1.35	1.5	0.29
HL 20	2.25	2.0	0.39
HL 30	2.65	3.0	0.46
HL 40	4.50	4.0	0.61
HL 60	5.40	6.0	0.92

Dimensions

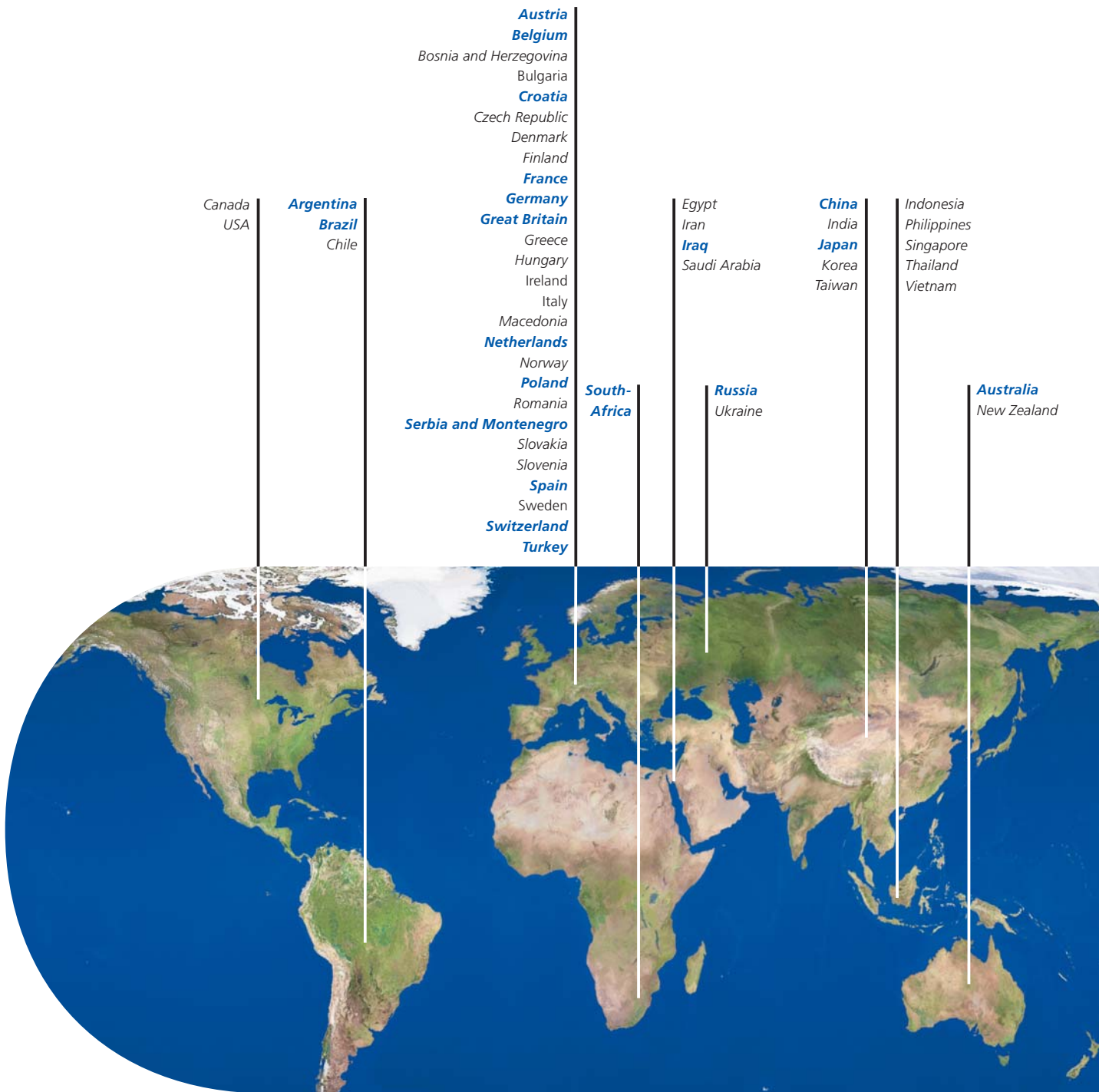


EUROTHERM: Capacity Burner HLG (Light oil and natural gas)

Burner type	Burner capacity MW	Boiler output t/h	Min. firing rate gas/oil MW
HLG 20	2.05	2.0	0.39
HLG 30	2.40	3.0	0.46
HLG 40	4.10	4.0	0.61
HLG 60	5.10	6.0	0.92

EUROTHERM: Capacity Burner HM (Medium oil)

Burner type	Burner capacity MW	Boiler output t/h	Min. firing rate oil MW
HM 15	1.14	1.5	0.29
HM 20	1.52	2.0	0.39
HM 30	2.28	3.0	0.46
HM 40	3.05	4.0	0.61
HM 60	4.60	6.0	0.92



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 Macedonia
Netherlands
 Norway
Poland
 Romania
Serbia and Montenegro
 Slovakia
 Slovenia
Spain
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Switzerland
Turkey

Canada
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Brazil
 Chile

Egypt
 Iran
Iraq
 Saudi Arabia

China
 India
Japan
 Korea
 Taiwan

Indonesia
 Philippines
 Singapore
 Thailand
 Vietnam

South-Africa

Russia
 Ukraine

Australia
 New Zealand

- **Training at site and in the SAACKE premises**
- **24-hour service**
- **Diagnostics by teleservice**
- **SAACKE companies, factories and service stations worldwide in 20 countries**
- **Additional 70 international SAACKE Contact Offices**

Count on this Service

SAACKE Production sites and service stations in 20 countries worldwide, additional 70 international SAACKE contact offices, supply of spare parts in 24-hour service, repair and replacement around the clock...

We help competently and immediately – wherever you need us.

Diagnostics via tight-knit, worldwide Tele Support & Service and extensive capacities in maintenance, repair and spare parts logistics enable us to ensure your burners' trouble-free operations long after assembly and commissioning at site.

SAACKE's customers worldwide can rely on fast availability regarding repair and replacement of all SAACKE burners. SAACKE's service partnership includes at the same time – depending on the individual agreement – maintenance and operational optimisation of your burners, training of boiler room personnel, safety inspections according to TRD or complete boiler room management by our specialists.

In line with our burner systems, we offer a wide choice of services to choose from at any time, according to your special requirements.

Our service is geared to one aim: to secure the functioning of your burners for many years - economic, eco-friendly, reliable!



*Tele Support & Service
replaces external
servicing in many cases.*



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