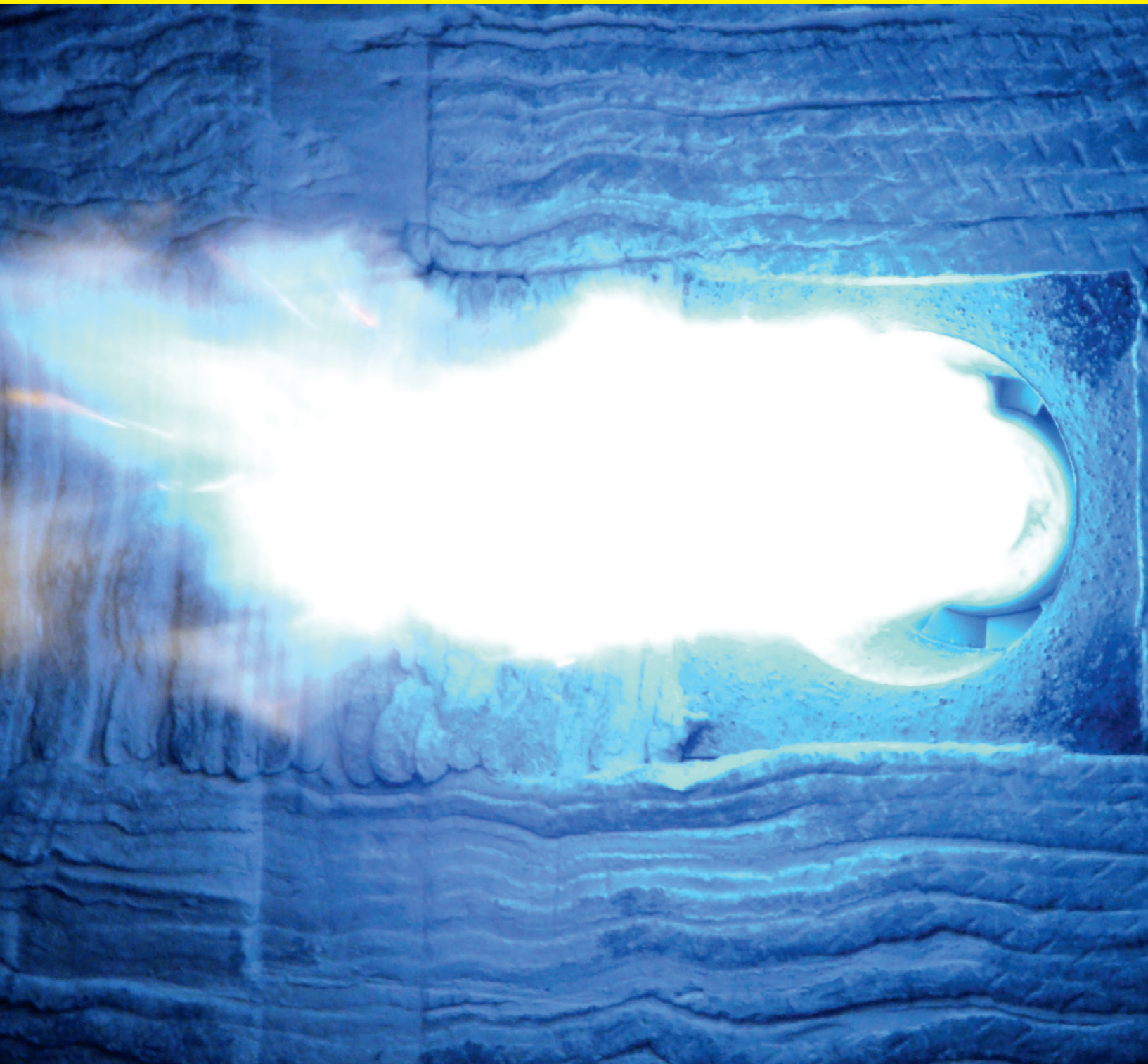


Friedrich Ley GmbH
Industriebrenner-Anlagen
Industrial burner systems



Friedrich Ley GmbH has been providing service to customers for more than 70 years!

Whether it involves new constructions or modernization, we offer customized solutions which extend from the burner to the complete turnkey installation.

Experience our services and be convinced.

The heart of every firing system is the FRIED.LEY Gas Burner DBP.

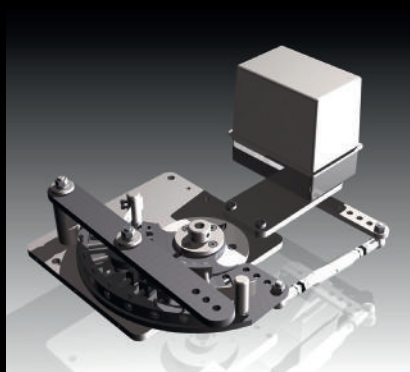
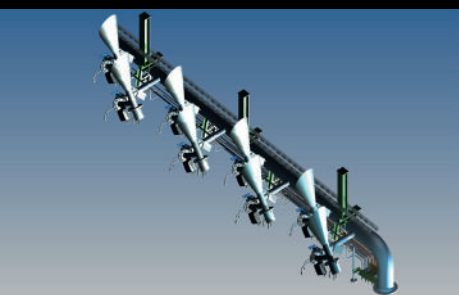
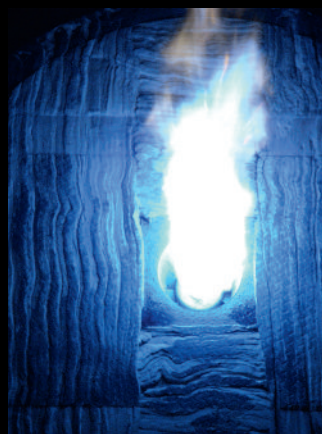
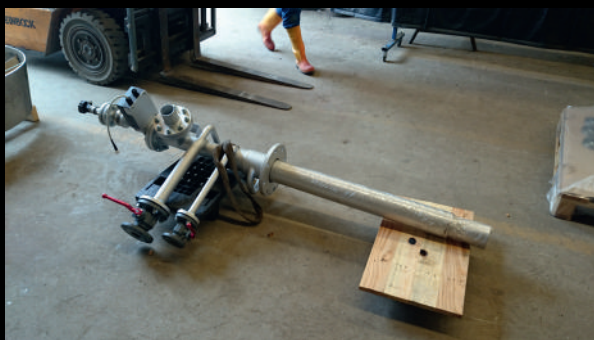
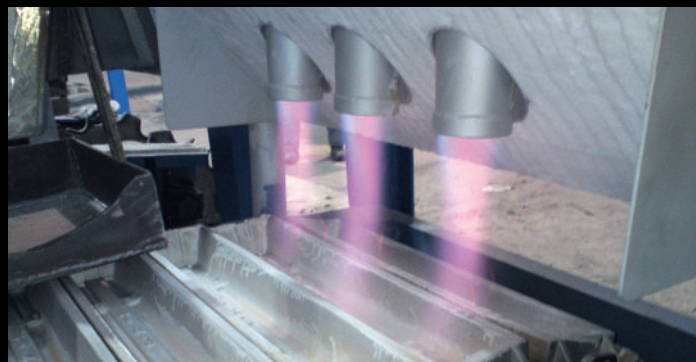
The FRIED.LEY Gas Burner DBP is applicable for all types of gas, such as e.g. natural gas, coke oven gas, generator gas, blast furnace gas, methane, digester gas, biogas, liquefied gases, hydrogen, refinery gas, gas mixtures, residual gases of the chemical industry, lean gases, as well as the alternative or combined combustion of several gases of different calorific value.

The FRIED.LEY Gas Burner DBP is available for gas flow capacities from 3 Nm³/h up to 50,000 Nm³/h and higher, for almost every pressure level, for preheated gas and for preheated air.

The FRIED.LEY Gas Burner DBP range meets every combustion-technical requirement, e.g. a short hot flame or a long soft flame, as well as various intermediate gradations; oxidizing, reducing or neutral combustion, as well as substoichiometric combustion with the lowest possible amount of soot.

All our burners are distinguished by their extraordinary robustness and durability, as well as lowest pressure losses.

- *Flare ignition burner*
- *Lance burner*
- *Lean gas burner*
- *Oilburner*
- *Multiple-fuel burner*
- *Coke oven gas burner*
- *Oxygen burner*
- *Secondary air burner*
- *Process gas burner*
- *Acid gas burner*
- *Special burner*



Complete firing systems

- *Hot gas generators*
- *Combustion chambers*
- *Sinter burner systems*
- *Flare ignition devices*
- *Hot-blast stove ignition devices*
- *Mobile heating devices*
- *Thermal post-combustion installations*
- *Drying equipment for refractory material*
- *Firing systems for heaters and steam generators*
- *Heating burners and acid gas burners for Claus systems*
- *Tundish and ladle heaters for the steel and foundry industry*
- *and many others*

Engineering

Do you wish to implement the entire or parts of your project yourself?
We would be glad to provide our advisory support and our know-how.

Do you need support with the risk assessment of your firing system?
Do not hesitate to contact us!

Whether it involves processes, safety technology, explosion protection, mechanics or automation with customized engineering packages, together with you we achieve the optimum.

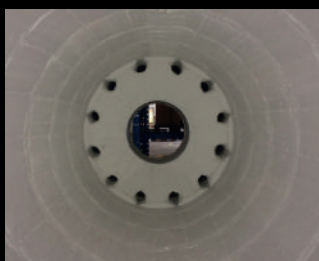
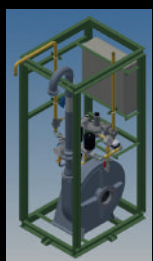
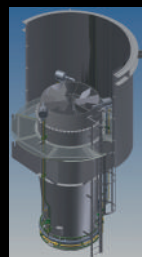
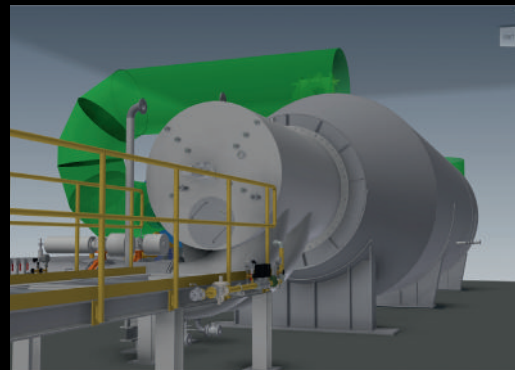
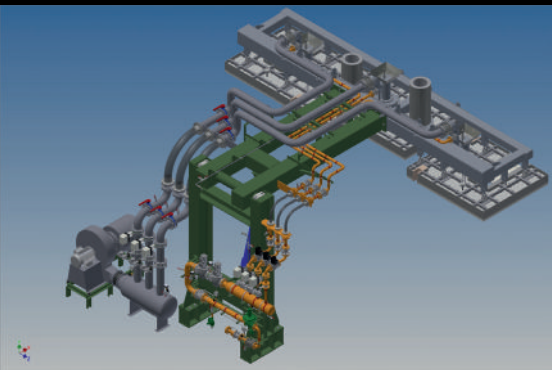
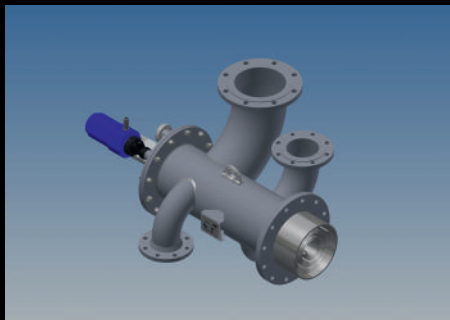
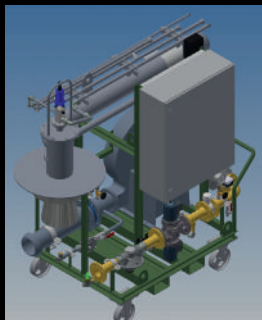
Control technology / Switch cabinet construction

Optimally adapted control technology solutions from a single source!

We supply products extending from the single distribution box up to the complex PLC control in safety technology for the explosion hazardous area.

From the first ideas about the electrical construction based on state-of-the-art CAE software (E-Plan® P8), through the manufacture of the switchgear cabinet, our experienced EMSR and automation specialists work hand in hand for optimal results.

ATEX and SIL are familiar terms to us!



Fuel supply, valve trains and control systems

Our scope of delivery extends from the single pipeline section through to the complex control system, considering corresponding standards.

From the first ideas about the construction with state-of-the-art 2D and 3D CAD software (Autodesk® Mechanical & Inventor), through to the manufacture of pipelines or control systems according to HP-0, our experienced design engineers work closely together with our welding supervisors and our certified welders, as well as the certified test personnel, in order to achieve optimal and standard-conforming results for you.

Spare parts

From ball valves authorized by DVGW, through shut-off valves according to EN161, to the firing management system with SIL3 level, we will be glad to supply you with the full range of any spare parts needed by you.

Maintenance

From the stage of visual inspection, through functional test, to fully-comprehensive maintenance of your firing system, including safety inspection and exhaust gas analysis, our experienced employees guarantee that you can operate your firing system safely and with a high level of availability.

Installation and commissioning

Our experienced employees put your firing system into operation anywhere in the world for a safe and trouble-free start.

In addition to professional qualifications, all our commissioning engineers, as well as the personnel responsible on construction sites, are trained, certified and instructed in occupational safety.

Rental heating system / Heat-up service

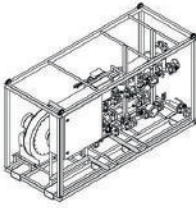
We will be glad to carry out the drying of your new refractory material.

With our specially designed heating station, we perform the heating on site accurately according to your specifications.

If your staff is qualified to carry out your heating processes but you do not have the appropriate heating station, again, we have an adequate solution! You can rent our specially designed heating stations!



DIE FRIEDRICH LEY SPEZIAL AUFHEIZSTATION



Spezifikation der Aufheizstation:

Brennerleistung:	ca. 20 - 200 kW oder ca. 50 - 500 kW Erdgas
Gasverbrauch:	ca. 2 - 20 Nm³ oder ca. 5 - 50 Nm³ Erdgas
Brennersteuerung:	Temperatur und Programmregelung
Anlagenmaße (B x L x H):	1200 x 2750 x 1600 mm
Gewicht:	ca. 900 kg
Gaseingangsdruck:	50 mbar bis 4,0 bar
Maximale Aufheiztemperatur:	1150 °C
Transportmöglichkeit:	Stapler- und Krantransport
Brenner 200 kW:	30 kg
Brenner 500 kW:	45 kg
Schlauchlängen:	Zuleitung 6 m
	Station zum Brenner 6 m



For more than 70 years our burner systems are in operation worldwide for you!

We would be happy to send you a product-related reference list.
Please contact us.



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