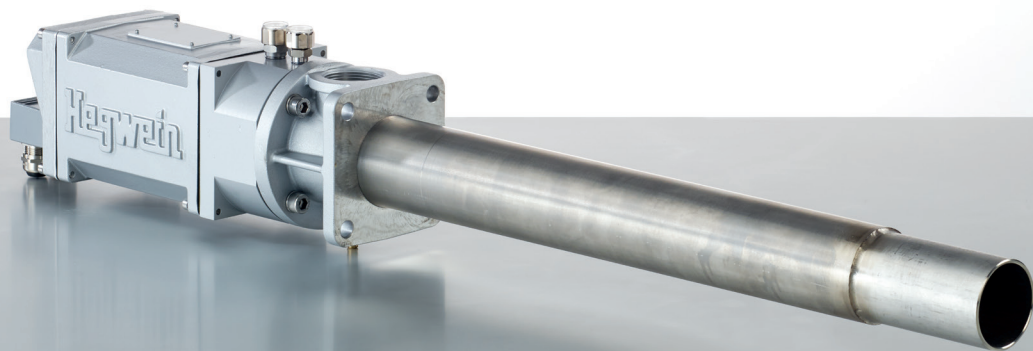


Oil fired igniters | Dual fuel igniters

Igniter size 1 | Heat release 300 kW



Hegwein oil fired igniters

Hegwein offers oil ignition burner solutions for industrial use in accordance with currently applicable regulations and on the basis of technical expertise gained from more than 70 years of experience. Flexible product variants make it possible to configure burners suitable for a wide range of industrial applications. Both standard devices and customised and application-specific special solutions guarantee a high degree of quality.

Features

- **Compact modular design**
 - Integrated spark transformer and flame monitor
 - Reliable spare parts availability
 - Optimal electromagnetic compatibility
 - Straightforward installation and commissioning
 - Various oil ignition burner series with different options available
- **Explosion protection**
 - Zone 1/21 and Zone 2/22 (ATEX, IECEx, FM-Ex)
- **Approvals***
DVGW, AGA, FM, EAC, SIL2/3 and cULus
- **Optimal oil atomisation with compressed air**
- **Dual fuel ignition burner**
 - Combination of gas and oil
- **Customised versions on request**

Benefits

- **High availability**
 - Highest operational and functional reliability
 - Electrical and mechanical components can be replaced separately
- **Flexible oil ignition burner design**
 - Customer-specific/plant-specific solutions
 - Fuel flexibility
 - Optical flame monitor can be integrated
 - Configurable flame monitor safety time
 - High degree of protection for different ambient conditions
 - Standard tube lengths from 240 to 8000 mm (available in 10 mm increments)
 - Broad range of applications in industrial combustion technology, e.g. in chemical, petrochemical and thermal process plants, as well as in power plants

Oil fired igniters | all sizes

Heat release (kW)	100	300	1000	2800	3600
Flame length (mm)	600	750	2200	2600	3000
Tube diameter (mm)	50	70	90	135	160
Igniter size	0	1	2	3	4

Oil fired igniters | all series

ZGEL	No electrical components integrated
ZTEL	Integrated spark transformer
ZAEL	Integrated spark transformer and flame monitor for intermittent and continuous operation
ZAFL	Dual fuel ignition burner for mixed operation with oil and gases

*Approval of integrated flame monitor

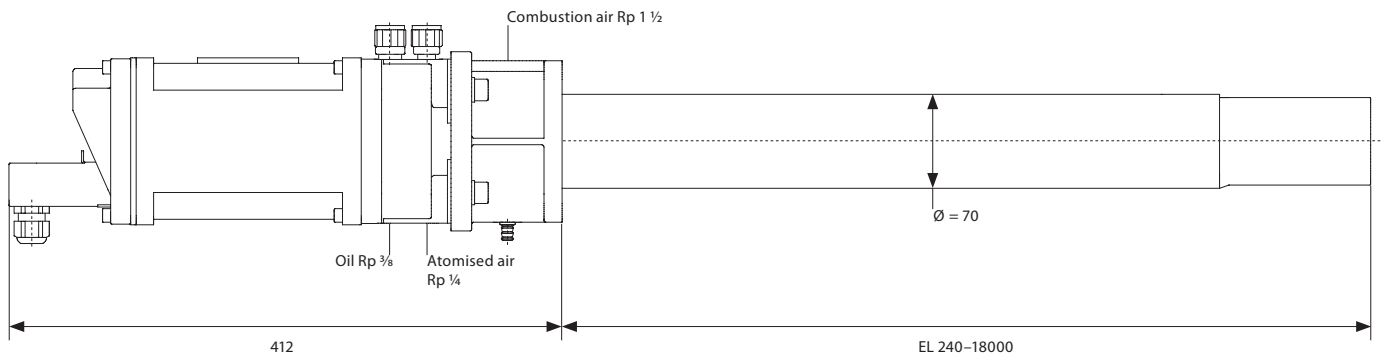
Technical data | oil fired igniter 1 | 300 kW

Nominal heat release	300 kW, 180 kW
Flame length	750 mm
Outer tube diameter	Ø 70 mm
Outer tube length	240 ... 8000 mm
Atomised air port	Rp ¼
Oil port	Rp ⅜, top or bottom
Combustion air port	Rp 1 ½, can be rotated by 4 x 90°
Ambient temperature	-30 ... +60 °C (standard) -40 ... +80 °C (special version)

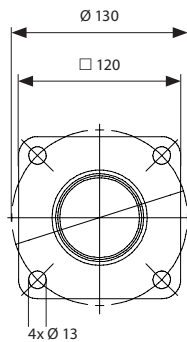
Protection rating	IP 54 (standard) IP 65 (special version)
Supply voltage	230 VAC (standard) 115/125/250 VAC (special version)
Oil operating pressure	3,5 bar
Oil throughput	25 kg/h, 16 kg/h
Combustion air operating pressure	25 mbar
Combustion air volume flow (V_n)	80 m³/h
Atomised air operating pressure	3,5 bar
Atomised air volume flow (V_n)	10 m³/h

Standard specifications for EL heating oil, standard conditions and an outer tube length of 1 m

Oil fired igniter size 1 | series ZAEL | side view



Mounting flange



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