

Raketensbrenner® RE 1H

Blue flame burner (15–70 kW) for operation with EL heating oil and with low-sulphur heating oil



The Raketenbrenner® optimises your boiler's performance

Space-age technology for oil-fired heating systems

Ever since it was launched onto the market almost thirty years ago the Raketenbrenner® has held a unique position in the oil-burner sector. Heating oil is converted into gas using the thermodynamic premixing principle, which is based on knowledge gained from aviation and space flight. The result is perfect combustion with a blue flame. Wherever expensive energy is put to the best possible use, the consumption of heating oil and emissions are at the lowest possible level. So it stands to reason that in 1980 the Raketenbrenner® was the first oil burner in Germany to be awarded the „Blue Angel“ environmental symbol.

Leading position in the burner replacement market segment

The Raketenbrenner® is in boilers of all generations that can be brought up to their greatest possible efficiency by the unique design characteristic of the blue flame burner – its own separate combustion chamber. This has made the Raketenbrenner® the undisputed No. 1 in the burner replacement market segment. Progress, however, never stands still, so this leading-edge product has been continually improved, and now the, amazingly quiet, third generation is on the market. In addition to this, a version with a ceramic burner pipe has been designed especially for low-sulphur heating oil.

Peak performance at a glance

- Oil burner with blue flame (15–70 kW) for use in boilers in detached houses and small blocks of flats
- Oil turns into gas: extremely low oil consumption and particularly low emissions are the results of perfect, soot-free combustion.
- For a particularly great future: all figures – soot count, nitrogen oxide, and exhaust gas losses – fall below the statutory limits
- Universally compatible for maximum output on all generally used boilers, old and new. Replacing the burner with the Raketenbrenner® is the low-cost alternative to total renewal of the whole oil heating system.
- Suitable for use in oil-fired condensing-value boilers: the fan is particularly efficient and its high pressure overcomes any resistance on the combustion chamber side.
- Whisper-quiet operation because of the innovative, patented mixing system
- Easy assembly and handling because of its simple construction with exhaust gas recirculation pre-adjusted in the factory.
- Particularly easy to operate because of the LED display
- Absolutely reliable in operation and low in maintenance
- Version available with ceramic burner tube specially designed for operation with low-sulphur heating oil



The Raketenbrenner® RE 1H represents the sum total of the experience we have accumulated over a period of nearly thirty years. In 1999 the MHG blue flame burner was given the iF Ecology Design Award for its excellent design and ecologically leading position.

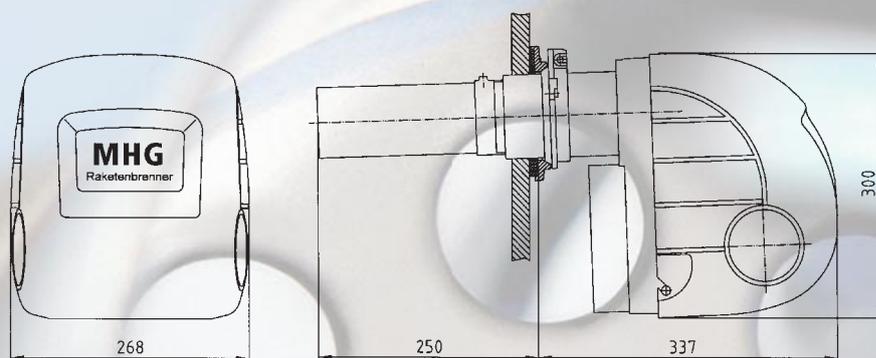
The patented mixing system in the Raketenbrenners® makes a substantial contribution to its particularly quiet operating noise.

Technical data

Burner type RE 1H Part no.	Burner type RE 1HK Part no.	Burner output approx. kW	Suitable for boiler output (in kW)	Tension/volts Motor output/Watts	Weight kg
RE 1.19 H-0600	RE 1.19 HK-0540	18	15–19	230/90	12
RE 1.22 H-0601	RE 1.22 HK-0541	21	19–22	230/90	12
RE 1.26 H-0602	RE 1.26 HK-0542	25	22–26	230/90	12
RE 1.32 H-0603	RE 1.32 HK-0543	30	26–32	230/90	12
RE 1.38 H-0604	RE 1.38 HK-0544	36	32–38	230/90	12
RE 1.44 H-0605	RE 1.44 HK-0545	42	38–44	230/180	13
RE 1.50 H-0606	RE 1.50 HK-0546	51	44–50	230/180	13
RE 1.60 H-0607	RE 1.60 HK-0547	57	50–60	230/180	13
RE 1.70 H-0608	RE 1.70 HK-0548	68	60–70	230/180	13

Built, tested, and registered under
DIN EN 267.
Suitable for burning mineral heating
oil (extra light) in compliance with
DIN 51603, Part 1.

The RE 1HK is suitable for use with
low-sulphur heating oil.



Your heating specialist will be glad to advise you:

Printed in Germany 0607