



# GAS FLUE SYSTEMS TECHNOLOGY

ENVIRONMENTALLY COMPATIBLE, CORROSION-PROOF AND FLEXIBLE

Centrotherm Systemtechnik GmbH supplies a range of over 2000 components, including 1000 specifically for plastic gas flue systems for oil and gas condensing boilers. In addition to systems designed specifically for condensing boiler technology, the range includes concepts for conventional heating appliances with a flue gas temperature of up to 120 °C. For higher flue gas temperatures of up to 250 °C, there are also metal systems made from aluminium, sheet steel and stainless steel.

Advantages of plastic gas flue systems:

- Resistant to condensate and therefore more durable than metals
- Low weight
- Quick and easy to install
- Suitable for all condensing boilers
- Suitable for extending and modifying
- Recyclable



## Condensing boiler technology

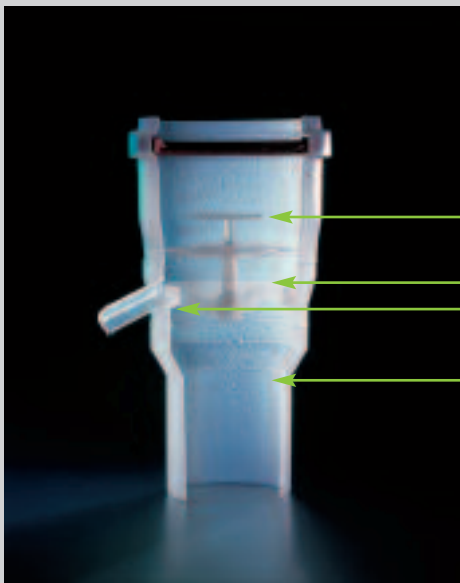
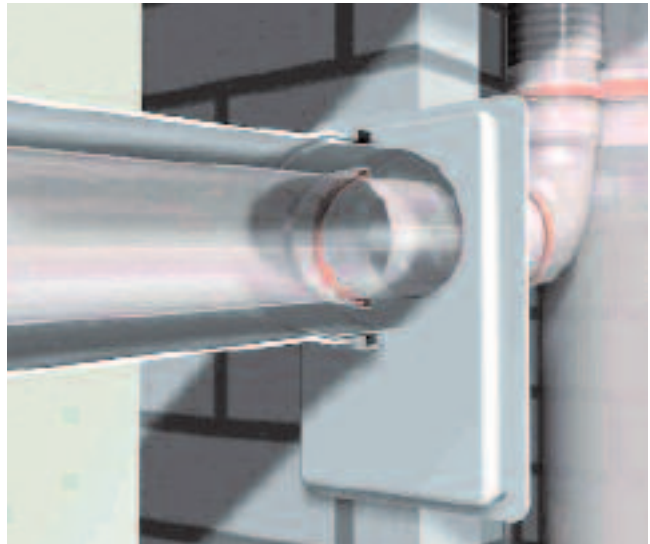
Condensing boilers are equipped predominantly with plastic gas flue systems in Germany and other European countries. Gas condensing boilers cut energy consumption by as much as 35 % compared with conventional heating systems and drastically reduce CO<sub>2</sub> emissions by drawing additional energy from the exhaust-gas flow by a process of condensation.

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Centrotherm teams up with customers in developing new, innovative concepts that the OEM customer then sells as an integrated system together with the boiler, and it also provides support for aspects such as planning, calculations and training.

## The latest specialist solutions:

- Patented concepts for multi-boiler and cascade systems allow several condensing boiler appliances to be connected to a common gas flue shaft.
- A new inspection element reduces the flow resistance of the inspection elbow by 50 %, thus assuring a higher efficiency rating and simplifying technical inspections of the gas flue.



## Plastic cascade system

Intelligent two-stage valve

No interference with valve's action by condensate  
Condensate drain

Universal connection



A Product of

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