FLUE GAS SYSTEMS WPG

for fuels wood pellets, wood chips, logs

PRODUCT SHEET

Raab

a brand of the RaabGruppe

STAINLESS STEEL FLUE GAS SYSTEM WPG FOR MODERN WOOD-BURNING STOVES

Modern fireplaces for natural wood, such as wood pellets, wood chips or logs, often require a flue gas system that is both soot fire resistant and suitable for condensing operation – "W3G" chimneys.

Raab WPG has been specially developed and tested for condensing operation (FU) and is thus ideally suited for wood firing systems that are operated with low flue gas temperature and/or low output (e.g. modulating boilers). Conventional stainless steel flue gas systems are only suitable for these applications to a limited extent. Ceramic materials can only cover partial areas. The construction of connecting pieces is therefore not possible. Available nominal widths and component variety are severely limited for ceramic materials.



Your benefit

- ✓ High level of protection against corrosion after thermal stress – system failure due to corrosion causes high replacement costs and endangers the heat supply.
- ✓ Protection against fluctuating fuel quality.
- ✓ Saves investment costs in the flue gas system when retrofitting flue gas heat exchangers or later converting to condensing technology.
- ✓ Alkon WPG in particular is designed for overpressure operation up to 5,000 Pa and a flue gas temperature of 600 °C and offers the greatest possible safety due to the metallic sealing method – for all areas of application.

EW and DW WPG

Single and double-walled – with proven connection technology

EW-Alkon and DW-Alkon WPG

Single and double-walled – metallic sealing

Tested safety

- ✓ Meet all building authority requirements through DIBt approval
- ✓ Meet the ZIV assessment criteria of 25.9.2019
- ✓ Maximum corrosion resistance due to high-alloy stainless steel 1.4539
- ✓ High operational reliability with fluctuating fuel quality

Maximum energy efficiency and climate protection

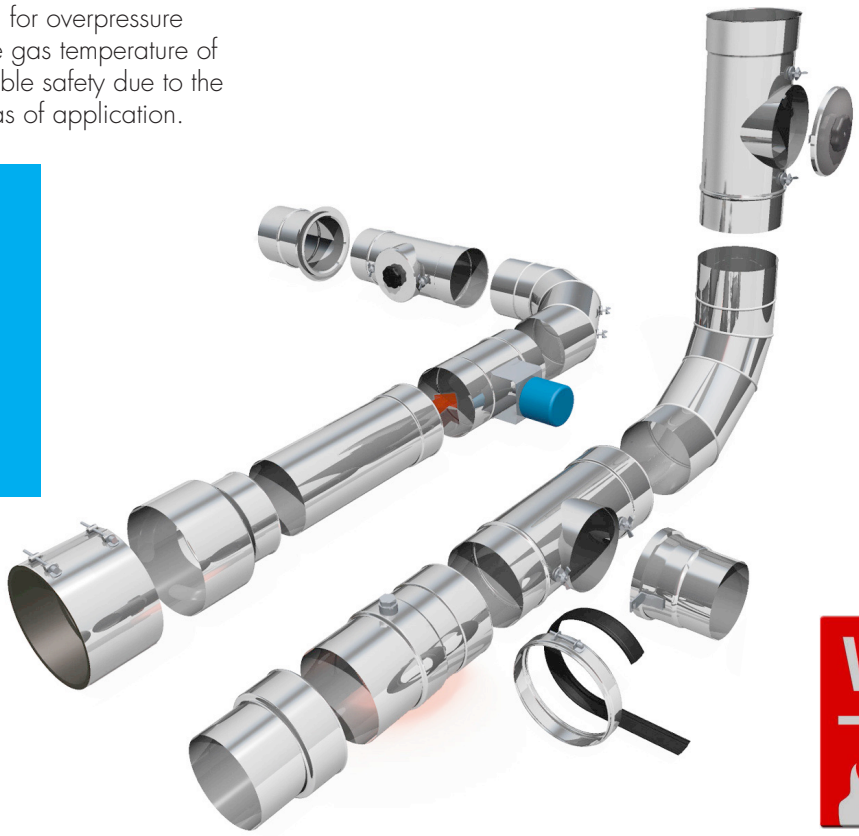
- ✓ Allows maximum energy utilisation of fuels through condensing operation.
- ✓ Enables modulating operation with low boiler output.
- ✓ Fuel saving is an active contribution to CO_2 reduction and climate protection.

Future-oriented

- ✓ WPG flue gas systems are ideally suited for the operation of biomass boilers with condensing technology or external heat exchangers.
- ✓ Immediate installation saves costs when replacing boilers or retrofitting flue gas heat exchangers.

All systems – only one approval

EW WPG	Z-7.1-3407
EW-AlkonWPG	Z-7.1-3407
DW WPG	Z-7.1-3407
DW-Alkon WPG	Z-7.1-3407



Joseph Raab GmbH & Cie. KG
Gladbacher Feld 5
56566 Neuwied · GERMANY

+49(0)2631/913-0
info@raab-gruppe.de
www.raab-gruppe.de

Status 03/2023 · Version 1.0
Item No. 2124833