



**jeremias**<sup>®</sup>  
CHIMNEY SYSTEMS

## PRE-FABRICATED MODULAR STAINLESS-STEEL EXHAUST SYSTEMS

[www.jeremias-group.com](http://www.jeremias-group.com)



# More than 40 years manufacturing & innovation

**Jeremias** is a European industrial group specialising in manufacturing Pre-Fabricated **modular stainless-steel Exhaust Systems**. We are specifically dedicated to large infrastructure and commercial buildings providing exhaust solutions to Generator sets, DRUPS and large boilers with our high temp, high pressure exhaust systems for a safe discharge. Jeremias Group has over **40 years experience** in design, production and development of solutions for the exhaust of gases. Headquartered in Germany, Jeremias is the technology leading manufacturer of factory-made flue, chimney and ventilation systems for the exhaust of gases covering all kind of domestic, commercial and industrial applications.

The company has now **7 production sites in Europe** and **1 in North America** and is represented in more than **60 countries** worldwide. Jeremias is a world reference in the production of factory-made stainless-steel flue and exhaust systems as well as freestanding chimney systems made of steel.

With a wide product range, more than 100 certified systems, excellent after sales service, in-house developed chimney sizing and specific Revit design Plug-in software makes Jeremias the most dynamic company in the exhaust solution sector. **With Jeremias you can expect durable quality and continuous innovation.**

The Jeremias Group offers technical support during all the different project stages; providing system design, back pressure calculations, fire rating, the required material specifications and installation drawings in various formats including BIM REVIT.



Sales Network in  
60 countries



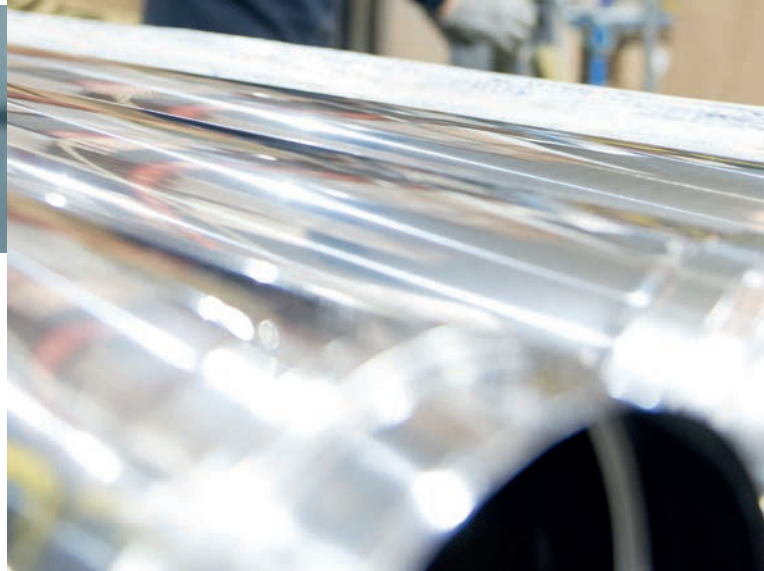
More than 100.000  
references



8 production  
plants



More than 1200  
staff members





# Pre-fabricated Modular Stainless Steel Exhaust Systems

Pre-fabricated exhaust systems consist of two concentric stainless steel metal walls with insulation filling the annular space between them. They are the modern alternative to the traditional steel piping.

Pre-fabricated exhaust systems are easy to handle and available with a wide range of fittings such as elbows, terminals and tees, all of which simply push together. They are easily assembled and supported with purpose designed support brackets. These systems, which can be used internally and externally, are certified to EN 1856-1 and -2.

Stainless steel systems tend to be used in existing buildings that do not have a chimney and extensions, because they do not require a dedicated foundation and can be easily retrofitted.

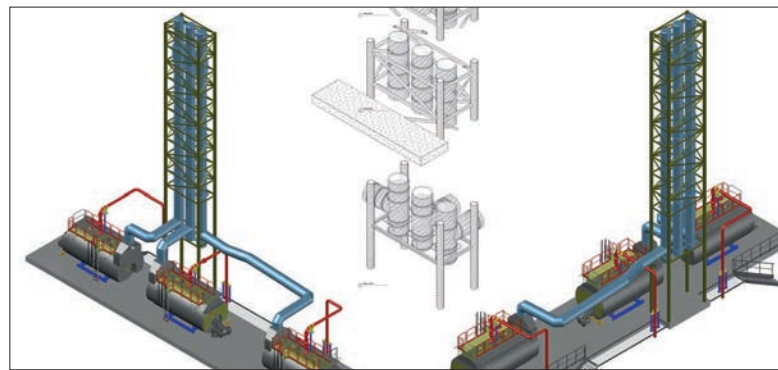
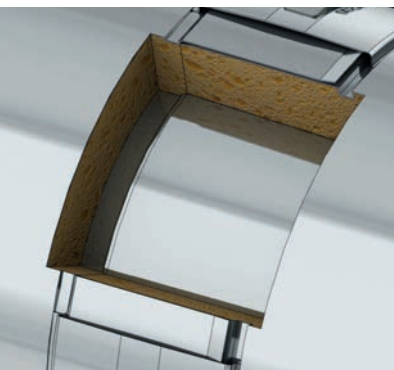


## Main Features:

- **High quality corrosion resistant stainless-steel system components.**
- **Robust and secure push-fit joint design construction.**
- **Easy to install by local semi-skilled labour with no need for welding on site.**
- **Speed of installation; 1/3 of the standard piping installations.**
- **No need for silicone gaskets or sealants for a pressure up to 15.000 Pa.**
- **Suitable for continuous exhaust gas temperatures up to 600 °C.**
- **High density rigid insulation with 120kg/m<sup>3</sup> density.**
- **Fully approved with 4 hour fire rating to BS 476/20.**
- **CE certified by TÜV SÜD in Munich.**
- **25 Years corrosion guarantee.**

Jeremias supplies all different parts needed for the specific installation including the necessary expansion bellows, brackets and cantilevers.

All necessary design support, 2D and 3D BIM drawings and back-pressure calculations are provided under one roof; making the project process easier to control therefore, the exhaust piping installation is completed successfully, on time and according to budget.



**Jeremias** has the largest amount of system certificates in the world.

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The pre-fabricated Modular exhaust systems as they are produced in a factory environment the quality is constant, the components are pre-designed and their production is constantly monitored.



EN 1856-1 and -2



CE Designation  
by TÜV SÜD



Fire rated BS 476/20



UL Listed



German Lloyd  
for the Marine applications



9001: 2008

ISO 9001: 2008 Quality  
Assurance



Country  
specific certifications

## System tested - no extra fire rated cladding necessary

Fire rating is a mayor requirement in the construction industry, Jeremias has successfully tested their exhaust systems under different international standards for “Stability”, “Integrity” and “Insulation”.

Including:

- **4 hours fire rated** in accordance with **BS 476-20**.
- **EN 1363-1:2015** „Fire resistance tests. Part 1: General requirements”.
- **EN 1366-1:2016** „Fire resistance tests for service installations. Part 1: Ventilation ducts”.
- **EN 13501-3:2007+A1:2010** „Fire classification of construction products and building elements. Part 3: Classification using data from fire resistance tests on products and elements used in building service installations: fire resisting ducts and fire dampers”.



# Applications

## Jeremias

### Fire rated Kitchen extract ducting

- Restaurant kitchens
- Catering companies
- Convenience food



### Industrial boiler exhaust

- Hospitals
- Hotels
- Leisure Parks



### Backup generator exhaust piping

- Data Centers
- Banks
- Airports



### Industrial oven exhaust

- Drying furnaces
- Coffee roasters
- Industrial bakeries





## Our experience speaks for itself

The wide variety of our product range, has allowed us to be present for and collaborate in important commercial and industrial projects, together with leading mechanical & electrical companies and in very diverse sectors in continuous coordination with large engineering companies, architecture studios and big developers.



### Industrial Bakery



10 bakery ovens, 8 roll on ovens  
2 Multi-purpose cookers Ø 250mm

Dubai



### Data Centers

8 Generator sets, Ø 600mm

Frankfurt

### Leisure Park



4 Chillers Ø 600mm, 6 condensing boilers Ø 600mm

Hong Kong



## Data Centers



12 Generator sets, Ø 550mm  
12 Generator sets, Ø 650mm

Madrid



## Hospital

3 Generator sets, Ø 550mm

Malé

## Data Centers



36 Generator sets, Ø 450mm

Singapore

Argentina | Austria | Belarus | Belgium | Bulgaria | Brazil | China | Colombia | Croatia | Czech Republic | Denmark  
| Estonia | Finland | France | Germany | Greece | Hungary | Ireland | Italy | Japan | Kazakhstan | Latvia | Lebanon |  
Lithuania | Luxembourg | Malta | Mexico | Netherlands | Norway | Poland | Portugal | Qatar | Romania | Russia |  
Saudi Arabia | Serbia | Slovenia | South Africa | Spain | Sweden | Switzerland | Tunisia | Turkey | UK | Ukraine | UAE | USA

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