



SYSTEM | DW-POWER

Double wall pressure-tight exhaust system for engines and emergency standby power systems (Maritime applications)

NEW TECHNOLOGY!

- Weight savings
- Space savings
- Cost savings

CE-CERTIFICATE NUMBER

0036 CPR 9174 085
0036 CPR 9174 088

CE-CLASSIFICATION ACC. TO DIN EN 1856-1

T600 - H1 - D - V2 - L50050 - 0xx

CE-CLASSIFICATION ACC. TO DIN EN 1856-2

T600 - H1 - D - V2 - L50050 - 0100M
T600 - H1 - D - V2 - L99050 - 0100M

MARINE APPROVALS

DNV-GL Certification
ABS, PDA Type Approval

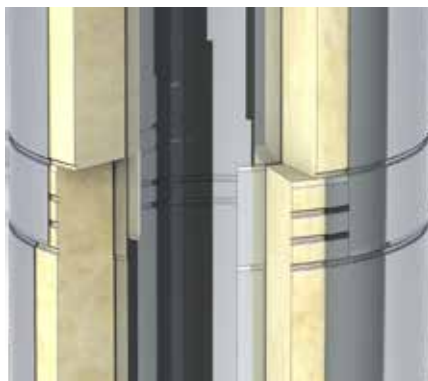
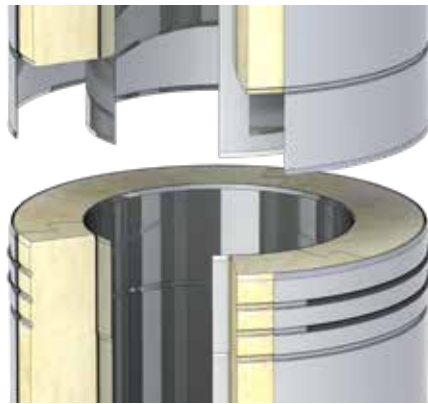


xx = distances from combustible materials are Ø-dependent, see the declaration of performance



SYSTEM DW-POWER

DOUBLE-WALLED, PRESSURE-TIGHT STAINLESS STEEL EXHAUST SYSTEM



DESCRIPTION

Double-walled, pressure-tight stainless steel exhaust system with gaskets in the outer casing, which allows stress-free thermal expansion of the inner tube hence no compensators needed.

MATERIAL

Outside: 1.4301 (AISI 304), Optional 1.4404 (AISI 316L)
Inside: 1.4404 (AISI 316L)

SURFACE

Highly polished

WALL THICKNESS

Inside: 0.5 mm (0.020"), Outside: 0.60 mm (0.024")

INNER DIAMETER

100 – 600 mm (4" – 24")

INSULATION

Mineral insulation with 57.5 mm (2.25") thickness

CONNECTION

Push-in connection (outer tube)

LOCKING BAND / SEAL JOINT

Included

CHARACTERISTICS

- Easy to install and disassemble
- For high temperatures up to 600°C (1112°F)
- Pressure-tight up to 5000 Pa (20" W.C.)
- Components resistant to saltwater (optional)
- Gaskets in the outer casing
- Stress-free thermal expansion of the inner tube possible
- No expansion joints/compensators required

APPLICATION AREAS

- Ship's main engines
- Auxiliary engines
- Emergency generators / emergency power systems
- Gas and diesel generators (without heat exchanger)
- Industrial processes

INSTALLATION:

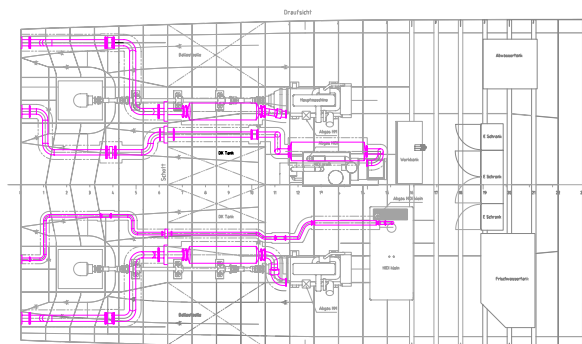
- Modular exhaust system made of pluggable system elements
- Quick and easy installation without crane
- No welding work needed on site
- Low weight of components compared to conventional exhaust systems
- Sturdy outer casing thanks to the circumferential bead
- Fixed insulation shells and fixed spacers ensure a tightly fixed inner tube
- Due to the absence of locking mechanism the components can be dismantled without any special tools and can be reused without any problems

OTHER ADVANTAGES:

- High efficiency of the insulated insulation shells
- Lower temperatures on the outer jacket allow installations at a closer distance to combustible components
- High pressure resistance due to double sealing
- Placing the seals in the socket of the outer jacket ensures a long service life
- Production of the elements with high-quality stainless steel 1.4404 (inner pipe) and 1.4301 (outer pipe)
- Components resistant to saltwater with outer case made of stainless steel 1.4404 for installation above deck (optional available at an extra charge)
- 25 years jeremias warranty on corrosion resistance

JEREMIAS SERVICE PACKAGE

- You get fast project quoting from any supplied plans
- After project award:
- Supply Jeremias 3D model of routing,
 - Then we supply 3D CAD of specific system for review, coordination, approval and installation



FIELD CUTABLE PIPE LENGTHS

All the pipe lengths of DW-POWER system can be shortened at the socket end (female). The quick and flexible adjustment of the pipe length at the time of installation helps save time and costs.

Every system shipped with insulation cutter (auger) to use a standard drill to cut the insulation back to factory specifications.



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Jeremias high quality products to be installed only by selected experts.

The expert in your area: