INCINERATORS
The TeamTec incinerators are perfect for onboard waste stream management!

Norwegian traditions – a business with deep roots

TeamTec is continuing a tradition of marine industrial activity at Tangen in Tvedestrand, Norway, dating back to around 1700. Today our company is one of the world leaders in marine waste incinerating systems and stripping ejectors to the shipbuilding industry. TeamTec was founded on May 17, 1984 by a small group of enthusiastic pioneers. Their enthusiasm and passion is carried forward by the entire TeamTec staff, and we are confident that our products will continue to be in the forefront of international marine technology in the future. We are proud to supply our quality products to a demanding shipping and offshore market.
INCINERATION IS AN EFFICIENT METHOD FOR HANDLING SOLID AND LIQUID WASTE, MAINLY ONBOARD VESSELS AND AT OFFSHORE INSTALLATIONS, BUT ALSO USED ON-SHORE.

TEAMTEC INCINERATOR ADVANTAGES:

- Automatic control and operation (no filters, no strainers, self cleaning nozzle)
- Low maintenance cost
- Minimum fuel consumption
- Modular construction with a compact and sturdy design
- Easy retrofit – equipment package
- Top professional service engineers for commissioning and start-ups
- A large stock of genuine spare parts
- Customized documentation

TEAMTEC INCINERATORS ARE INSTALLED ON/AT:

- All major shipping companies
- All major cruise lines
- Navy fleets and Coast Guards world wide
- Floating and fixed production units
- Offshore and specialized vessels
- Land based power plants
- Holiday resorts
THE TEAMTEC INCINERATORS ARE CERTIFIED IN COMPLIANCE WITH:

- IMO-RESOLUTION MEPC. 244(66) adopted April 4th 2014, previous 76(40)
- "Standard Specifications of Shipboard Incinerators"
- Type approved by: DNV GL, ABS, BV, LRS, CCS, NKK, (USCG), RMRS and RRR

INCINERATOR MODELS
**CAPACITY OVERVIEW**

**CRITERIA FOR SELECTION OF PROPERLY Sized INCINERATOR AND SLUDGE TANK:**

- Sludge tank capacity: 2 % / 0.5 % of ship’s HFO/MGO consumption per 24 hrs
- Incinerator capacity: Sludge capacity sufficient to burn 1 % / 0.25 % of ship’s HFO/MGO consumption per 24 hrs during 8-12 hrs/day operation
- Solid waste generation: 2 kg/person/day (ranges 1 - 2.5)

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**VERSION CODES:**

**CODE FEATURE DESCRIPTION**

- A: Appropriate vent for gas duct
- B: Diesel oil booster pump
- C: Computerized automation (SCU/PLC)
- D: Automatic control
- E: Central control station twin display
- F: Diesel oil booster pump
- G: Sludge level readout in display panel
- H: Sludge level readout in display panel
- I: Frequency-controlled flue gas fan
- K: Water injection
- L: Sludge transfer pump
- M: Anti-backflow
- N: Sludge transfer pump
- O: Sludge transfer pump
- P: Sludge transfer pump
- Q: Sludge transfer pump
- R: Sludge transfer pump
- S: Sludge transfer pump
- T: Sludge transfer pump
- U: Sludge transfer pump
- V: Sludge transfer pump
- W: Sludge transfer pump
- X: Sludge transfer pump
- Y: Sludge transfer pump
- Z: Sludge transfer pump
BILGE WATER INJECTION FOR TEAMTEC INCINERATORS

Purpose and Benefits

- Supplement to the OWS
- Developed primarily for disposal of bilge water
- Increased sludge burning capacity
- Reduced NOx emission
- No filters or strainers
- No chemicals
- No more “magic pipes”
- Inexpensive
- IMO certified
- Quick and simple upgrading of existing incinerators

SLUDGE PREPARATION TANK

For the best economical operation and optimal efficiency of any incinerating plant we recommend installing two cylindrical sludge tanks allowing for proper water settling and drainage. One tank is used for settling and the second is the service tank. All TeamTec tanks are complete with sludge circulation pump, level switches and thermostat.

HEATING OPTIONS:

- Steam
- Electric
- Thermal Oil

OPTIONAL SUPPLEMENTS:

- Level transmitter for read out on incinerator display
- TeamTec water in oil monitor for a perfect control of your sludge oil quality, available upon request

RATED CONSUMPTION   DIMENSIONS

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<th>Type</th>
<th>Heating by steam</th>
<th>Heating by</th>
<th>Circ. pump</th>
<th>L x W x H mm</th>
<th>kg</th>
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<td>el. power</td>
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<td>435 l</td>
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<td>1100 l</td>
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<td>1700 l</td>
<td>16 kW</td>
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<td>1905 x 1439 x 2110</td>
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<td>3000 l</td>
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<td>2030 x 1660 x 2470</td>
<td>750</td>
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<td>400 l</td>
<td>Diesel oil tank</td>
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<td>910 x 750 x 1167</td>
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<tr>
<td>435 l</td>
<td>Water service tank (12 kW)</td>
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<td>1528 x 846 x 2308</td>
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RECOMMENDED SHIP’S INCINERATOR INSTALLATION

- **MODULAR DESIGN**
  - Allows flexibility and many options for retrofit and extended product lifetime

- **FLAT-PACKED INCINERATOR**
  - TeamTec bolted and modular construction
  - Replaceable refractory
  - All parts through a normal ship door
  - Within a few days we assemble the incinerator in the final location onboard

- **TEAMTEC CONTAINERIZED AND SKID MOUNTED INCINERATING PLANTS**
  - Self-contained units for mounting outside on weather deck, ready for operation.
  - The complete plants are built to the highest marine standards.
TeamTec provides comprehensive after sales service for all TeamTec products.

**SPARE PARTS**
- Tailored spare part kits
- Prolonged life-time of the units
- Trouble-free operation
- Avoid unnecessary downtime and costs
- Parts in stock can be sent the same day as the order is received

Contact us – e-mail: spares@teamtec.no

**UPGRADES**
- Improved technology has many advantages; keywords are automation, increased capacity and lower fuel consumption
- We can offer various upgrades of both software and hardware
- Additional equipment and features can be retrofitted to further improve the versatility
- Upgrading kits make older incinerators more cost-efficient and environmentally friendly

Contact us – e-mail: spares@teamtec.no

**SERVICE**
A combination of experienced and highly qualified staff plus extensive know-how guarantees our customers will receive the highest level of customer care.

OUR SERVICE DEPARTMENT PROVIDES THE FOLLOWING:
- Commissioning
- Repair service
- Pre-installation survey

SERVICE AGREEMENT AND TRAINING:
- Annual service visits
- Technical seminars
- Required training of the crew operating the incinerator
- Simplify acceptance by local port authorities

Contact us – e-mail: service@teamtec.no

**GLOBAL PRESENCE**
The TeamTec head office and manufacturing is located in Southern Norway, and we also have a sales and service office in Singapore. A global network of representatives is ready to support our customers 24/7.

The TeamTec incinerators are well known in the market under different brand names including Golar and Kværner. Additionally, our incinerators are manufactured at our assembly line in China, Nanjing Luzhou Machine Company, to serve the Asian market.
We can’t promise you a cozy fireplace, but the TeamTec incinerators are perfect for onboard waste stream management!