DNV·GL

Certificate No:
MEDB000005Z

EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Shipboard incinerators

with type designation(s)
Incinerator Types ATLAS 1200 S, 1200 S WS/ S XL WS, 1200 SL P, 1200 SL M, 1200 SL WS P/ SL BWS P/ SL XL WS P, 1200 SL WS M/ SL BWS M/ SL XL WS M

Issued to
Atlas Incinerators A/S
Vordingborg, Denmark

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/2.7 and Annex B, Module B in the Directive. Marpol 73/78 as amended, Annex VI Regulation 16, IMO Res. MEPC.244(66)

Further details of the equipment and conditions for certification are given overleaf.

Høvik, 2015-09-22
for **DNV GL AS**

This Certificate is valid until
2018-05-16

Notified Body No.: **0575**

Vidar Dolonen
Head of Department

DNV GL local office:
Copenhagen

Pål Evang Nundal
Surveyor

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Job Id: **344.1-003051-6**
Certificate No: **MEDB000005Z**

Product description

The equipment is intended for installation onboard ships and other marine installations for incineration of garbage/ solid wastes and waste oil / 'sludge'.

Application/Limitation

Type ATLAS 1200 S;
Calorific Capacity 1000,000 kcal/hr (1163 kW)
Solid waste 500 lr./charge

Type ATLAS 1200 S WS / S XL WS;
Calorific Capacity 1000,000 kcal/hr (1163 kW)
Solid waste 230 kg/h

Type ATLAS 1200 SL P;
Calorific Capacity 1000,000 kcal/hr (1163 kW)
Solid waste 500 lr./charge
Oil sludge waste 135 l/hr

Type ATLAS 1200 SL M;
Calorific Capacity 1000,000 kcal/hr (1163 kW)
Solid waste 500 lr./charge
Oil sludge waste 135 l/hr

Type ATLAS 1200 SL WS P / SL BWS P / SL XL WS P;
Calorific Capacity 1000,000 kcal/hr (1163 kW)
Solid waste 230 kg/h
Oil sludge waste 135 l/hr

Type ATLAS 1200 SL WS M / SL BWS M / SL XL WS M;
Calorific Capacity 1000,000 kcal/hr (1163 kW)
Solid waste 230 kg/h
Oil sludge waste 135 l/hr

Type Examination documentation

Model/Type:	*Dwg.No:*	*Rev./Date*	*Title:*
ATLAS 1200 S	26N30056	Rev.4	Dimension drawing for ATLAS 1200 S
	26U34012	040622	Refractory dwg. for ATLAS 1200
	26N40035	Rev.2	Thermal element PT-100
	26I34000	Rev.4	Pipe diagram for ATLAS 1200 S
	02840	060215	Electrical system drawings for ATLAS 1200 S System Teknik AS; Pages 001 thru 012, 020, 021, 022, 025, 030, 031, 032, 033, 034, 035, 501 & 502

General Document: Technical Data for ATLAS Incinerator 1200 S.

ATLAS 1200 S WS / S XL WS;

26N30055	Rev.4	Dim. drawing for ATLAS 1200 S WS
26N20166	Rev.6	Dim. drawing for ATLAS 1200 S XL WS
26U34012	040622	Refractory dwg. for ATLAS 1200
26N40035	Rev.2	Thermal element PT-100
26I34004	Rev.5	Pipe diagram for ATLAS 1200 S WS
02841	060215	Electrical system drawings for ATLAS 1200 S WS System Teknik AS; Pages 001 thru 012, 015, 020, 021, 022, 025, 030, 031, 032, 033, 034, 035, 501 & 502

General Document: Technical Data for ATLAS Incinerator 1200 S WS.

ATLAS 1200 SL P;

26N20311	Rev.3	Dimension drawing for ATLAS 1200 SL P
26U34012	040622	Refractory dwg. for ATLAS 1200
26N40004	Rev.3	Thermal element NiCr-Ni (TC2)
26I34024	060126	Pipe diagram for ATLAS 1200 SL P
211115	121001	Sludge oil burner complete
120816		Electrical diagrams for ATLAS 1200 SL P

General Document: Technical Data for ATLAS Incinerator 1200 SL P.

ATLAS 1200 SL M;

26N30057	Rev.5	Dim. drawing for ATLAS 1200 SL M
26U34012	040622	Refractory dwg. for ATLAS 1200
26N40004	Rev.3	Thermal element NiCr-Ni (TC2)
26I34003	Rev.6	Pipe diagram for ATLAS 1200 SL M
211115	121001	Sludge oil burner complete
MOD340 1200 SLM 120816		Electrical diagrams for ATLAS 1200 SL M

General Document: Technical Data for ATLAS Incinerator 1200 SL M.

ATLAS 1200 SL WS P / SL BWS P / SL XL WS P;

26N20282	Rev.2	Dim. dwg. for ATLAS 1200 SL WS P
26N20287	Rev.4	Dim. dwg. for ATLAS 1200 SL BWS P
26N20278	Rev.2	Dim. dwg. for ATLAS 1200 SL XLWS P
26U34012	040622	Refractory dwg. for ATLAS 1200
26N40004	Rev.3	Thermal element NiCr-Ni (TC2)
26I34021	050927	Pipe diagram for ATLAS 1200 SL WS P
211115	121001	Sludge oil burner complete
MOD340 1200 SLWSP 120816		Electrical diagrams for ATLAS 1200 SL WS P

General Doc.: Technical Data for ATLAS Incinerator 1200 SL WS P.

ATLAS 1200 SL WS M / SL BWS M / SL XL WS M;

26N30058	Rev.5	Dim. dwg. for ATLAS 1200 SL WS M
26N20196	Rev.1	Dim. dwg. for ATLAS 1200 SL BWS M
26N20168	Rev.4	Dim. dwg. for ATLAS 1200 SL XLWS M
26U34012	040622	Refractory dwg. for ATLAS 1200
26N40004	Rev.3	Thermal element NiCr-Ni (TC2)
26I34010	Rev.3	Pipe diagram for ATLAS 1200 SL WS M
211115	121001	Sludge oil burner complete

MOD340 1200 SLWSM 120816 Electrical diagrams for ATLAS 1200 SL WS M

General Doc.: Technical Data for ATLAS Incinerator 1200 SL WS M.

General document valid for all types;
Certificates & Approvals for equipment from sub-suppliers.

Instruction Book - Installation, Operation and Maintenance of ATLAS Type Incinerator

Tests carried out

Test Reports
- DNV Copenhagen, Survey Report, Test of new PLC and horizontal exhaust, ATLAS 200 SL WSP, dated 2012-07-23.
- DNV Copenhagen, Survey Report, Test of incineration of bilge water, ATLAS 600 SL WSM, dated 2012-06-20.
- DNV Copenhagen, Verification Report, Burning test of incinerator type ATLAS 1200 SL WS, Ordre No. 400620,
  dated 2001-02-05
- DNV Copenhagen; Assessment Checklist Fabrication – Product, dt. 2001-02-07;
  Factory/ prototype test – control & safety functions (tested on S.No. 400620).
- Atlas Incinerators Test Report – Control & Safety Functions Type 1200 SL WS M, Order No. 400620, dated 05-02-2001
- Aalborg Boilers A/S; Emission Test Report – ATLAS Incinerator, MAXI 150 SL, July 1994.

Marking of product

For traceability to this type approval, each incinerator is to be marked with:
- Manufacturers name or trade mark
- Type designation
- Serial No.

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

This certificate replaces previous EC Type-Examination Certificate No. MED-B-8376.