

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 800 S, 800 S WS, 800 SL P, 800 SL M, 800 SL WS P/ SL BWS P, 800 SL WS M

Issued to

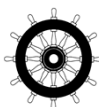
**Atlas Incinerators A/S
Vordingborg, Denmark**

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

Job Id: **344.1-003051-6**
Certificate No: **MEDB000005R**

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 800 S; Calorific Capacity Solid waste	700,000 kcal/hr (814 kW) 350 lr./charge
Type ATLAS 800 S WS; Calorific Capacity Solid waste	700,000 kcal/hr (814 kW) 125 kg/h
Type ATLAS 800 SL P; Calorific Capacity Solid waste Oil sludge waste	700,000 kcal/hr (814 kW) 350 lr./charge 95 l/hr
Type ATLAS 800 SL M; Calorific Capacity Solid waste Oil sludge waste	700,000 kcal/hr (814 kW) 350 lr./charge 95 l/hr
Type ATLAS 800 SL WS P / SL BWS P; Calorific Capacity Solid waste Oil sludge waste	700,000 kcal/hr (814 kW) 125 kg/h 95 l/hr
Type ATLAS 800 SL WS M; Calorific Capacity Solid waste Oil sludge waste	700,000 kcal/hr (814 kW) 125 kg/h 95 l/hr

Type Examination documentation

Model/Type:	Dwg.No:	Rev./ Date	Title:
ATLAS 800 S	26N30052	Rev.2	Dimension drawing for ATLAS 800 S
	26U33012	040507	Refractory dwg. for ATLAS 800
	26N40035	Rev.2	Thermal element PT-100
	26I33000	Rev.4	Pipe diagram for ATLAS 800 S
	02830	060215	Electrical system drawings for ATLAS 800 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 800 S.

ATLAS 800 S WS

Job Id: **344.1-003051-6**
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26N30051	Rev.2	Dimension drawing for ATLAS 800 S WS
26U33012	040507	Refractory dwg. for ATLAS 800
26N40035	Rev.2	Thermal element PT-100
26I33004	Rev.5	Pipe diagram for ATLAS 800 S WS
02831	060214	Electrical system drawings for ATLAS 800 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 800 S WS.

ATLAS 800 SL P

26N30054	Rev.6	Dimension drawing for ATLAS 800 SL P
26U33012	040507	Refractory dwg. for ATLAS 800
26N40004	Rev.3	Thermal element NiCr-Ni (TC2)
26I33002	Rev.5	Pipe diagram for ATLAS 800 SL P
211115	121001	Sludge oil burner complete

MOD340 800 SLP 120816 Electrical diagrams for ATLAS 800 SL P

General Document: Technical Data for ATLAS Incinerator 800 SL P.

ATLAS 800 SL M

26N30077	Rev.1	Dimension drawing for ATLAS 800 SL M
26U33012	040507	Refractory dwg. for ATLAS 800
26N40004	Rev.3	Thermal element NiCr-Ni (TC2)
26I33003	Rev.4	Pipe diagram for ATLAS 800 SL M
211115	121001	Sludge oil burner complete

MOD340 800 SLM 120816 Electrical diagrams for ATLAS 800 SL M

General Document: Technical Data for ATLAS Incinerator 800 SL M.

ATLAS 800 SL WS P / SL BWS P;

26N20212	Rev.4	Dim. drawing for ATLAS 800 SL WS P
26N20213	Rev.2	Dim. drawing for ATLAS 800 SL BWS P
26U33012	040507	Refractory dwg. for ATLAS 800
26N40004	Rev.3	Thermal element NiCr-Ni (TC2)
26I33006	Rev.5	Pipe diagram for ATLAS 800 SL WS P
211115	121001	Sludge oil burner complete

MOD340 800 SLWSP 120816 Electrical diagrams for ATLAS 800 SL WS P

General Doc.: Technical Data for ATLAS Incinerator 800 SL WS P.

ATLAS 800 SL WS M;

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26N30078	Rev.1	Dim. drawing for ATLAS 800 SL WS M
26U33012	040507	Refractory dwg. for ATLAS 800
26N40004	Rev.3	Thermal element NiCr-Ni (TC2)
26I33007	Rev.4	Pipe diagram for ATLAS 800 SL WS M
211115	121001	Sludge oil burner complete

MOD340 800 SLWSM 120816 Electrical diagrams for ATLAS 800 SL WS M

General Doc.: Technical Data for ATLAS Incinerator 800 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, Verification Report, Testing and measuring of flue gas, ATLAS 800 SL WS P, dated 2002-06-13.
- 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 800 SL WS, Ordre No. 400631, dated 2001-02-05.
- DNV Copenhagen; Assessment Checklist Fabrication – Product, dt. 2001-02-07; Factory/prototype test – control & safety functions (tested on S.No. 400631).
- Atlas Incinerators Test Report – Control & Safety Functions Type 800 SL WSP, Order No. 400631, dated 05-02-2001
- Aalborg Ciseriv International A/S; Emission Test Report – ATLAS Incinerator, MAXI 50 SL, March 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



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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-8388.