DNV·GL

Certificate No:
MEDB0000062

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 200 S, 200 SL, 200 SL P, 200 SL M, 200 S WS, 200 SL WS, 200 SL WS P, 200 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

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Job Id: **344.1-003051-6**
Certificate No: **MEDB0000062**

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 200 S;

Calorific Capacity	180,000 kcal/hr (209 kW)
Solid waste	150 lr./charge

Type ATLAS 200 SL/ 200 SL P/ 200 SL M;

Calorific Capacity	180,000 kcal/hr (209 kW)
Solid waste	150 lr./charge
Oil sludge waste	24 l/hr

Type ATLAS 200 S WS;

Calorific Capacity	180,000 kcal/hr (209 kW)
Solid waste	40 kg/h

Type ATLAS 200 SL WS/ 200 SL WS P/ 200 SL WS M;

Calorific Capacity	180,000 kcal/hr (209 kW)
Solid waste	40 kg/h
Oil sludge waste	24 l/hr

Type Examination documentation

Model/Type:	Dwg.No:	Rev./ Date	Title:
ATLAS 200 S;	26N30085	Rev.3	Dimension drawing for ATLAS 200 S
	26P30349	040116	Sectional drawing/ Refractory
	26N40035	Rev.2	Thermal element PT-100
	26I31000	Rev.4	Pipe diagram for ATLAS 200 S
	02810	060215	Electrical system drawings for ATLAS 200 S System Teknik AS; Pages 001 thru 012, 020, 021, 022, 025, 030, 031, 032, 033, 034, 501 & 502
	General Document:		Technical Data for ATLAS Incinerator 200 S
ATLAS 200 SL;	26N30123	Rev.1	Dimension drawing for ATLAS 200 SL
	26P30349	040116	Sectional drawing / Refractory
	26N40035	Rev.2	Thermal element PT-100
	26I31001	Rev.4	Pipe diagram for ATLAS 200 SL
	211115	121001	Sludge oil burner complete
	02811	060215	Electrical system drawings for ATLAS 200 SL System Teknik AS; Pages 001 thru 014, 020, 021, 022, 023, 025, 030, 031, 032, 033, 034, 501 & 502
	General Document : Technical Data for ATLAS Incinerator 200 SL		

ATLAS 200 SL P;	26N20245	Rev.7	Dimension drawing for ATLAS 200 SL P
	26P30349	040116	Sectional drawing/ Refractory
	26N40004	Rev.3	Thermal element NiCr-Ni (TC2)
	26I31102	070111	Pipe diagram for ATLAS 200 SL P
	211115	121001	Sludge oil burner complete
	MOD340 200 SLP 120816		Electrical diagrams for ATLAS 200 SL P

General Document : Technical Data for ATLAS Incinerator 200 SL P

ATLAS 200 SL M;	110224	27.08.2015	Dimension and component drawing of incinerator
	210756	Rev. No. 1	Drawing of refractory for wall no. 3
	110000	Rev. No. 2	Thermocouple for funnel, PLC controlled
	26I30356	03.09.2015	Pipe diagram for incineration plant
	Mod340 200 - SL M	27.08.2015	Atlas 200 SL M, Sludge oil tank S P Page 1-9, 11-14, 17, 21, 23-27, 30-35, 40, 100, 200-205, 400-403

General document: Technical data for incineration plant: Atlas 200

ATLAS 200 S WS;	26N30116	Rev.3	Dimension drawing for ATLAS 200 S WS
	26U31002	041220	Sectional drawing/ Refractory
	26N40035	Rev.2	Thermal element PT-100
	26I31002	Rev.5	Pipe diagram for ATLAS 200 S WS
	02812	060214	Electrical system drawings for ATLAS 200 S WS System Teknik AS; Pages 001 thru 012, 015 020, 021, 022, 025, 030, 031, 032, 033, 034, 501 & 502

General Document: Technical Data for ATLAS Incinerator 200 S WS

ATLAS 200 SL WS;	26N30114	Rev.1	Dimension drwg. for ATLAS 200 SL WS
	26U31002	041220	Sectional drawing/ Refractory
	26N40035	Rev.2	Thermal element PT-100
	26I31003	Rev.4	Pipe diagram for ATLAS 200 SL WS
	211115	121001	Sludge oil burner complete
	02813	060214	Electrical system drawings for ATLAS 200 SL WS System Teknik AS; Pages 001 thru 015, 020, 021, 022, 023, 025, 030, 031, 032, 033, 034, 501 & 502

General Document : Technical Data for ATLAS Incinerator 200 SL WS

ATLAS 200 SL WS P;	26N20279	Rev.8	Dim. drawing for ATLAS 200 SL WS P
	26U31002	041120	Sectional drawing/ Refractory
	26N40004	Rev.3	Thermal element NiCr-Ni (TC2)
	26I31103	070111	Pipe diagram for ATLAS 200 SL WS P
	211115	121001	Sludge oil burner complete
	MOD340 200 SLWSP 120816		Electrical diagrams for ATLAS 200 SL WS P
	General Document : Technical Data for ATLAS Incinerator 200 SL WS P		

Instruction Book - Atlas 200 SL WS M;	Installation, Operation and Maintenance of Incinerator Type ATLAS 200		
	110225	27.08.2015	Dimension and component drawing of incinerator
	210756	Rev. No. 1	Drawing of refractory for wall no. 3
	110000	Rev. No. 2	Thermocouple for funnel, PLC controlled
	26I30210	Rev. No. 4	Pipe diagram for incineration plant
	Mod340 200 - SL WS M	27.08.2015	Atlas 200 SL WS M, Sludge oil tank S P Page 1-9, 11-14, 17, 21, 23-27, 30-35, 40, 100, 200-205, 400-403
	General document:Technical data for incineration plant: Atlas 200		

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 200, dated 2000-11-17.
- DNV Copenhagen, Assessment Checklist Fabrication – Product, dt. 2000-11-16; Factory/ prototype test – control & safety functions.
- Atlas Incinerators Test Report – Control & Safety Functions ATLAS 200 SL WS, Order No.400609 ; dated 16/ 17-11-2000.
- Aaalborg Ciserv International AS; Emission Test Report – Atlas Incinerator, MAXI 25 SL, March 1993 w/ supplementary comments March 1994.
- DNV Copenhagen, Assessment Checklist Fabrication – Product, dt. 2004-03-24; Factory/prototype test – control & safety functions.
- Atlas Incinerators Test Report – Control & Safety Functions ATLAS 200 SL WS P, Order No.400993 ; dated 2004-03-24.
- DNV Copenhagen, Verification Report, Burning test of incinerator type ATLAS 200 SL, Order No. 402031, dated 2006-07-13.

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-8372.