



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. P-12834

This Certificate consists of 2 pages

This is to certify that the
Water Treatment Units
with type designation(s)
Elysator

Manufactured by
Elysator AG
WOLLERAU, Switzerland

is found to comply with
Det Norske Veritas' Rules for Classification of Ships

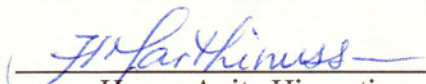
Application
Fluid water

Max. working temp.:	100°C
Design pressure:	10 bar

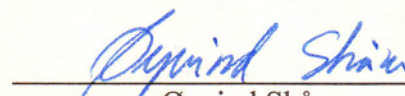
Place and date
Høvik, 2008-07-11
for DET NORSKE VERITAS AS



This Certificate is valid until
2008-10-11


Hanne Anita Hjerpetjønn
Head of Section

Local Office
DNV Essen


Øyvind Skåra
Surveyor

Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: P-12834
File No.: 745.70
Job No.: 262.1-003854-2

Product description

Pressure vessel for a water treatment unit with volumes of 30, 50 or 100 litres, insulated with PVC-foam.

The pressure vessels are being produced by CIPAG.

Application/Limitation

Only the strength of the pressure vessel against the internal pressure is covered by the type approval. The function of the unit is not evaluated.

Manufacturer's product certificate is to accompany each unit/delivery.

Each vessel to be pressure tested to at least 1.3 times the design pressure.

Type Approval documentation

The type approval is based on the following documentation:

Drawings:

- 292.233356E
- 292.234114D
- 292.234113D

Marking of product

For traceability to this type approval each pressure vessel is to be marked with:

- Manufacturer's name or trade mark
- Type designation
- Design pressure or pressure class

Certificate retention survey

For retention of the type approval, the DNV Surveyor shall perform an audit/survey every second year and before the expiry date of the certificate to verify that the conditions for the type approval are complied with.

There shall be performed an initial survey at CIPAG's premises before the expiry date of the certificate.

END OF CERTIFICATE