4641.3

VAHTERUS

[1]EC DECLARATION OF CONFORMITY

[2]Issued in accordance with the

[3]Pressure Equipment Directive (PED) 97/23/EC

[4]The Manufacturer:	Vahterus Oy Pruukintie 7, FIN-23600 Kalanti, Finland

[5]Hereby declares that product(s) detailed below have been manufactured in compliance with the above Directive, as staded below:

[6]The Product:	Plate&Shell Heat Exchanger
[7]Type:	PSHE 3HH-312/1/1
[8]Manufacturing number:	25858
[9]Conformity assessment(s):	Module B + D acc. to Directive 97/23/EC
[10]Category of vessel:	IV
[11]Notified Body performing the assessment:	Inspecta Sweden AB NB number 0409 Office box 30100, 20536 Stockholm, Sweden
[12]QS assessment certificate:	02-SKM-PED-146097-00 Date: 19th May 2008
[13]EC-type examination certificate:	04-521144-09
[14]EC-design examination certificate:	-
[15]Final inspection and Proof test:	Vahterus Oy according to module D
[16]Manufacturer's quality systems:	ISO 9001:2008 + EN 3834-2:2005
[17]Certificate No:	30343-2008-AQ-FIN-FINAS Date: 18th May 2009
[18]QS Certification authority:	DNV Certification OY/AB Keilasatama 5 02150 Espoo Finland
[19]Applied harmonized standards:	-
[20]Applied other standards:	AD-Merkblatt 2000
[21]Other Directives applicable:	-

[22]Kalanti 14.4.2010

[23]Juha Suominen
[24]Quality Manager

[25]Appendix: Technical Data Sheet, Drawing, Operation and Maintenance Manual

VAHTERUS

TECHNICAL DATA SHEET

Serial No.	25858	End Customer:	Witt GmbH	Rev.	B
Type:	PSHE 3HH - 312/1/1	Order No.	GW/090727 D	Date:	20.02.2010
Ref.	V10/205	Certificate Nr	04-521144-09	Made by:	TJ
Customer:	Wijbenga	Inspector:	Vahterus (CE)	Draw. nb:	25858-01-B
Industrial Sector	1	Design Code	PED/97/23/EC + AD 2000 Calculation	Application	3

Pos	pc	Mat.nro	Description	Dimensions	Material		Certi
1	312		Plate 3HH	Φ 300 x 0,7	1.4404	DIN 17440	3,1
5	4		Nozzle DN50	Φ 60,3 x 3,6	1.4571	DIN 17458	3,1
9	2		Flow director		AISI 316L / EPDM		
10	1		Name Plate		Aluminium		
11	1		Name Plate Bracket				
12	1		Shell	Φ 396 x 8 x 939	P355NL2	EN 10028-3	3,1
13	2		End plate	Φ 377 x 30	P355NL2	EN 10028-3	3,1
15	2		Nozzle DN80	Φ 88,9 x 4,0	P215NL/TTSt35N	EN 10216-4	3,1
16	1		Nozzle DN150	Φ 168,3 x 6,3	P215NL/TTSt35N	EN 10216-4	3,1

Content:
Dangerous
Category: IV
Module: B+D

Technical Data:	Plate Stack: (HOT)	Shell: (COLD)
Design Pressure (barg)	-1/25	-1/25
Design Temperature (°C)	-50/110	-50/110
Operating Temperature (°C)	8/3	-8/-8
Volume (liter)	24,7	58,0
Test Pressure (barg)	41,1	41,1
Medium:	Propylene Glycol	Ammonia

Weight: 260 kg

Capacity 368 kW

Note:
The thickness of connection pipes are
minimum dimensions.

Unit has been tested with 41,1 **bar**

Accepted by quality department

Date: 24.3 – 2010

Sign. Jaime Toivonen

VAHTERUS OY

Inspection report: Accepted

No heat treatment

Surface Preparation:

Steel grit blasting to SA 2 1/2

No Painting

Visual inspection:
No remarks

NDT:

1) Longitudinal seam: RTG 10%

NDT-report: Accepted

Notes:

Shell side Drying

VAHTERUS