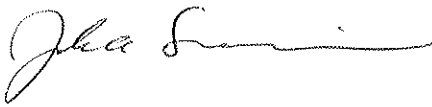


## 1) EC DECLARATION OF CONFORMITY

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 stated 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





### TECHNICAL DATA SHEET

Serial No.	<b>25858</b>	End Customer:	Witt GmbH	Rev.	<b>B</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	Certif
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/TTSI35N EN 10216-4	3,1
16	1		Nozzle DN150	Φ 168,3 x 6,3	P215NL/TTSI35N 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

Note:  
The thickness of connection pipes are  
**minimum dimensions.**

Unit has been tested with **41,7** bar

Accepted by quality department

Date: **24.3 - 2010**

Sign. *Jaimi Järvenpää*

**VAHTERUS OY**

Inspection report: **Accepted**

Visual inspection:  
No remarks

NDT:  
1) Longitudinal seam: RTG 10%

**NDT-report: Accepted**

Notes:  
Shell side Drying

