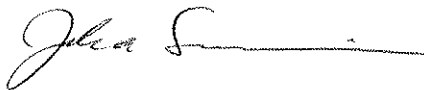


1) EC DECLARATION OF CONFORMITY

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 5HH-364/1/1
- 8) Manufacturing number: 25855
- 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: 04-521144-06
- 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.	25855	End Customer:	Witt GmbH	Rev.	B
Type:	PSHE 5HH - 364/1/1	Order No.	GW/090727C	Date:	1.3.2010
Ref.	V10/203	Certificate Nr	04-521144-06	Made by:	Jta/Hhä
Customer:	Wijbenga B.V.	Inspector:	Vahterus (CE)	Draw. nb:	25855-01-B
Industrial Sector	1	Design Code	PED/97/23/EC + AD 2000 Calculation	Application	5

Pos	pc	Mat.nro	Description	Dimensions	Material	Certi
1	376		Plate	Φ 556 x 0,8	1.4404 DIN 17440	3,1
4	2		End Plate nozzle	Φ 88,9 x 10	1.4404 DIN 17440	3,1
5	4		Nozzle DN 100	Φ 114,3 x 3,6	1.4571 DIN 17458	3,1
6	26		Flow Director		EPDM	
12	1		Shell	Φ 670 x 15 x 1234	P355NL2 EN 10028-3	3,1
14	2		End Plate	Φ 637 x 60	P355NL2 EN 10028-3	3,1
15	2		Nozzle DN 80	Φ 88,9 x 4,0	P215NL/TTS135N EN 10216-4	3,1
16	2		Nozzle DN 125	Φ 139,7 x 6,3	P215NL/TTS135N EN 10216-4	3,1
17	2		Shell Feet		Fe 37B	
19	2		Pipe for support		SI35.8 EN 10216-2	

Content:
Dangerous
Category: IV
Module: B+D

Technical Data:	Plate Stack: (HOT)	Shell: (COLD)
Design Pressure (barg)	-1/40	-1/40
Design Temperature (°C)	-50/110	-50/110
Operating Temperature (°C)	80/-5	-8/-8
Volume (liter)	104,3	171,5
Test Pressure (barg)	68,5	68,5
Medium:	CO2	Ammonia

Weight: 1245 kg Nameplate material: Aluminium
Capacity: 401 kW

Note:
The thickness of connection pipes are minimum dimensions.

Unit has been tested with 68,5 bar
Accepted by quality department
Date: 25.3.2010
Sign. Jouni Järvelin

No heat treatment
Surface Preparation:
Steel grit blasting to SA 2 1/2

VAHTERUS OY
Inspection report: Accepted

Visual inspection:
No remarks

NDT:
1) Longitudinal seam: RTG 100%

NDT-report: Accepted

Notes:
Shell side Drying
Heliumtest: 1 bar He+9 bar air

