



# DET NORSKE VERITAS

## EC-CERTIFICATE OF CONFORMITY

Certificate No. **0575-CPD-71520304/08-NO**

*In compliance with the Directive 89/106/EEC of the council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 97/464/EC of the Council of European Communities of 27 June 1997- Waste Water Engineering Products, it has been stated that the construction product*

**BIOVAC Minirensanlegg 5-50 pe**

*characterized in*

**NS-EN 12566-3:2005**

*placed on the market by*

**Biovac AS**

Postboks 148

1921 Sørumsand, Norge

*and produced in the factory located at*

**Biovac AS**, Postboks 148, 1921 Sørumsand, Norge

*is submitted by the manufacturer to a factory production control and that the notified body Det Norske Veritas AS has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control.*

*This certificate attests that all provisions concerning the attestation of the product, guidelines and the factory production control described in Annex ZA of the standards listed above and in accordance with the procedures given, except for the Treatment Efficiency Test Procedure<sup>1)</sup>, were applied.*

*This certificate remains valid during a 3 years period as long as the conditions laid down in the harmonized technical specification in reference, the product, the manufacturing conditions in the factory or the factory production control itself are not modified significantly.*

*Initial Certification date:*

**2008-06-10**

*This Certificate is valid until:*

**2011-06-10**



**Notified Body  
No: 0575**

*Place and date:*

**Høvik, 2008-06-10**

*for the Notified Body:*

**DET NORSKE VERITAS AS,  
NORWAY**

*The audit has been performed under the supervision of:*

**Bjørn Engh**  
Senior Engineer

*Stein Fredheim*  
**Stein Fredheim**  
Management Representative



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## APPENDIX TO CERTIFICATE

This Appendix pertains to Certificate No. **0575-CPD-71520304/08-NO**

### **BIOVAC Minirensanlegg 5-50 pe**

#### **NS-EN 12566-3:2005**

<b>Type of product</b>	Små Avløpsanlegg for opptil 50 pe
<b>Type Designation Models</b>	FD 5N, FD 10N, FD 5, FD 10, FD 15, FD 20, FD 25, FD 35, SBR 45
<b>Factory Production Control system</b>	Internt kvalitetssystem – verifisert av DNV. Ingen sertifisering
<b>Type Testing:</b>	
- <i>test laboratory</i>	Det Norske Veritas AS, ENENO715, 1322 Høvik, Norge
- <i>test reports</i>	DNV Rapport: 2008-3312
- <i>date for testing</i>	2007.01.15 til 2008.06.10 og 1989-2005 (renseeffekt test)
- <i>structural strength</i>	Vakuumbestemning på tank 10 pemot (Bia Miljø AS) og FD10N-3 (Fiberprodukt AS). Verifisert strukturell styrke på tanker fra de andre produsentene Vera AS og Cipax AS.
- <i>structural criteria</i>	0.4-2 m overfylling over innløp eller sylinder, avhengig av modell, og vannfylt grunn opp til bakkenivå.
- <i>water tightness</i>	Dette gjøres som en del av produksjonskontroll
- <i>durability</i>	PE materiale prøvet av Norner AS. GUP laminat prøvet hos DNV AS.
- <sup>1)</sup> <i>treatment efficiency testing</i>	1, 2 og 3-7 hus system prøvet som en del av DNV's typegodkjenning av minirensanlegg i 1989-2005. Beregnet renseseffektivitet er basert på en teoretisk belastning i systemet.
- <sup>1)</sup> <i>treatment efficiency results</i>	BOF <sub>5</sub> : 6.0-10.7 mg/l eller 96-98 % renseseffekt (Fra DNV's Typegodkj.) TOT-P: 0.5-0.8 mg/l eller 92-95 % renseseffekt (Fra DNV's Typegodkj.) COD: Ikke bestemt SS: 94 % renseseffekt (Biovac's egne data – ikke testet)
<b>Accepted for</b>	Bruk av <b>CE</b> merke basert på tilfredsstillende typeprøving i hht NS-EN 12566-3 og renseseffekt resultater tatt fra DNV's typegodkjenningsprogram (1989-2005)

