

*Liquids to Value*



## Making our Mark

Legal provisions for attaining CE conformity



# Overcoming Boundaries – the CE Mark acts as a Technical Passport Throughout the EU

The CE (Communauté Européenne - European Community) Mark is an external means of identifying goods and services which comply with European directives. When affixed to a product it indicates to users and consumers that the product complies with the relevant EU directives and is authorized for free trade within the EU and the EFTA countries.

This regulation was introduced with the objective of guaranteeing the free trade of goods and services and making trade transparent. According to this regulation, as many products as possible are to meet uniform requirements in the areas of health and safety within the European economic area. It is a prerequisite of being allocated the CE mark that the manufacturer or 'introducer' carries out an EC conformity assessment procedure.

To attain these objectives, the EU has published directives for particular groups of products, which are then translated into binding national laws and decrees. The EU Directives apply in all EU countries, the EFTA countries and further countries which have translated them into national law. They do not themselves contain any information regarding technical details, but merely stipulate mandatory basic requirements. Technical values are stipulated in the assigned standards which are harmonized in Europe (EN and DIN EN standards).

## Declaration of conformity by the "introducer"

The company marketing the product - the manufacturer in Europe, the licensee or the importer from a non-European country - is responsible for complying with the prevailing EU directives at any one time. In making a declaration of conformity, the "introducer" is obliged to assume responsibility for complying with the directives.

Affixing the CE Mark to products makes this obligation directly visible. The CE mark of conformity is mandatory for these countries and must be attached to the machines before putting them into circulation and commissioning.

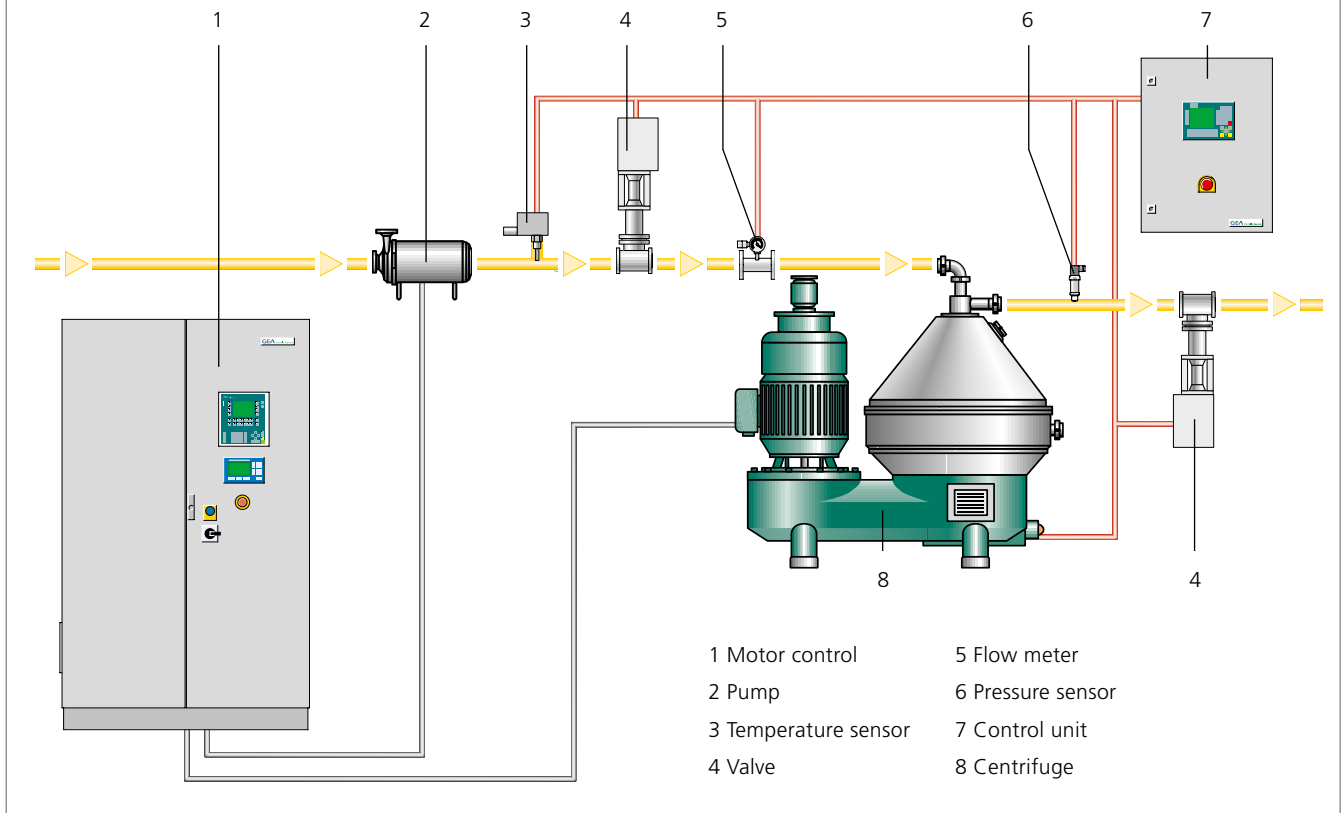
## Deliveries from GEA Westfalia Separator

When GEA Westfalia Separator delivers operational machines with motor, controls and supervisory equipment, the CE mark of conformity is attached and the EC declaration of conformity is issued and supplied.

If the machine is completed at its own responsibility with a control system or supervisory equipment by a subsidiary of GEA Westfalia Separator, the CE mark of conformity is attached by this subsidiary and the declaration of conformity is issued.

If a customer of GEA Westfalia Separator completes the machine or installation with its own control system or supervisory equipment, he is considered to be the manufacturer with all associated obligations.

The machine delivered by GEA Westfalia Separator is in this case an "incomplete machine".



Affixing the CE Mark and issuing the EC declaration of conformity confirm that the conformity assessment procedure has been carried out and that the machine or installation, as well as the associated control and energy circuits, comply with the relevant EU directives and harmonized European standards.

### Conformity assessment of "incomplete machines"

When GEA Westfalia Separator delivers an "incomplete machine", a declaration of incorporation is issued and mounting instructions are supplied.

Before commissioning or "putting into circulation", the conformity assessment procedure must be carried out independently by the customer or the subsidiary of GEA Westfalia Separator, the EC declaration of conformity must be issued and the CE mark of conformity must be attached.

Within the framework of the conformity assessment procedure, the applicable technical rules must be determined, the risks of the machine and devices

used must be identified and evaluated and compliance with the safety precautions of GEA Westfalia Separator must be confirmed. In this connection, it is essential to follow the instructions in the mounting instruction manual.

The declaration of incorporation and the mounting instruction manual are archived following completion of the machine and replaced by the declaration of conformity and the standard instruction manual.

### Conformity assessment for modified equipment

If machines or installations are modified, a new conformity assessment procedure is required.

Explanations	Declaration of conformity and CE mark by GEA Westfalia Separator ex works	Declaration of conformity and CE mark of conformity by the customer or subsidiary, ex works declaration of incorporation by GEA Westfalia Separator
Scope of delivery		
Complete operational machine (Centrifuge and control system from GEA Westfalia Separator)	X	
"Incomplete machine" (Centrifuge and individual control components from GEA Westfalia Separator, fitting of control by customer or subsidiary)		X
"Incomplete machine" (Centrifuge from GEA Westfalia Separator, fitting of control by customer or subsidiary)		X

# Directives and Standards

## Examples of relevant requirements

### EU Directives

Directive	Title
2006/42/EC	Machinery directive
89/106/EEC	If applicable: construction products directive
2004/108/EC	Electromagnetic compatibility directive
2006/95/EC	Electrical equipment designed for use within certain voltage limits (Low voltage directive)
94/9/EC	Explosion protection directive (ATEX 100 (for manufacturers))
1999/92/EC	Explosion protection directive (ATEX 137 (for operators))
97/23/EC	Pressure equipment directive
89/655/EC, Version 2001/45/EC	If applicable: users' directive

### EN Standards (harmonized standards)

Standard	Title	Applicable
EN 60204-1	Electrical equipment of machines – Part I	Always
EN 60439-1	Low-voltage switchgear and control gear assemblies – Part 1	For control units
EN ISO 13849-1	Safety-related parts of control systems – Part I	Always
EN ISO 12100-1 ... / -2	Safety of machinery – basic concepts, general principles for design	Always
EN 14121	Safety of machines – guiding principles for risk assessment	Always
EN ISO 9001/2000	Quality management systems – requirements	Always
EN 12547	Centrifuges – common safety requirements I	Always
EN 60079-14	Electrical apparatus for explosive gas atmospheres – Part 14, electrical installations in hazardous areas (other than mines)	For operation in explosion-hazardous zones
EN 1227-1	Explosive atmospheres – explosion protection: principles and methodology	For operation in explosion-hazardous zones
EN 13463-1 ... -5	Non-electrical equipment for potentially explosive atmospheres	For operation in explosion-hazardous zones



## Your contacts

If you have any queries regarding the CE mark, declaration of conformity and manufacturer's declaration, please contact:

Axel Bartscher

Phone +49 2522 77-2382

Fax +49 2522 77-3-2382

[axel.bartscher@geagroup.com](mailto:axel.bartscher@geagroup.com)

Dieter Strauch

Phone +49 2522 77-2437

Fax +49 2522 77-3-2437

[dieter.strauch@geagroup.com](mailto:dieter.strauch@geagroup.com)

Further information available on the WWW

[www.vdi-nachrichten.com/ce-richtlinien/](http://www.vdi-nachrichten.com/ce-richtlinien/)  
Information platform for engineers

[www.newapproach.org](http://www.newapproach.org)  
European directives

## Literaturhinweis

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ISBN: 3-8007-2329-8

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**CE Conformity Marking**  
and New Approach Directives  
2001, 285 pages  
ISBN: 0750648139

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GEA Mechanical Equipment

**GEA Westfalia Separator**

Werner-Habig-Str. 1 · 59302 Oelde (Germany)  
Phone +49 2522 77-0 · Fax +49 2522 77-2488  
[www.westfalia-separator.com](http://www.westfalia-separator.com)