



CE Certification for Pressure Equipment

GL expertise – taking the pressure off of you

A challenge to your business

If you design and manufacture pressure equipment (e.g. pressure vessels, steam generators, pressurised storage containers, industrial piping and safety or pressure accessories) with a maximum permissible pressure in excess of 0.5 bar, you need CE Certification for the equipment before it can be sold in the EU and European Economic Area. This certification is carried out by Germanischer Lloyd as a Notified Body in accordance with the EC Pressure Equipment Directive 97/23/EC (PED), which came into force in May of 2002. The PED also applies to pressure equipment assemblies such as complex chemical process or power boiler plants. All pressure equipment covered by the PED must go through a conformity assessment procedure based on a modular classification determined by the level of hazard coming from the equipment.

The solution you need

Germanischer Lloyd (GL) supplies you with all the advice you need to select the right conformity assessment for your pressure equipment. In order to ensure adequate strength, safe handling and operation as well as corrosion protection of your product, our experts will examine your design in line with current standards such as AD 2000, ASME, DIN 13445 and others. You can be sure of our support at every stage and in every aspect of the certification process: permanent joining, final inspection, hydrostatic pressure testing, material specifications, material certification, particular material appraisal, etc.

GL – your best partner

Why turn to GL for PED certification? At GL you have access to our experience in pressure equipment going back to the year

the society was founded – 1867. Nowadays, membership in the Comité Européen de Normalisation (CEN) workgroups and participation in national bodies and the European Conformity Assessment Body Forum guarantee GL's state-of-the-art expertise and access to all the latest technical and regulatory information. Moreover, our global network of engineers, surveyors and office staff ensures first-class local support in the examination and certification of your pressure equipment. No matter where your pressure equipment is manufactured or will be required, GL can facilitate its CE Certification via a global network of experts.

Benefits that make all the difference

- Our more than 140 years of experience and familiarity with various codes and standards helps you save time and money while navigating the PED certification process.
- We know the challenges you face in complying with PED and we make matters as simple as possible through cooperative teamwork.
- Our paperless, computer-aided approval system for documents (globe) saves time and makes advanced filing possible.
- Thanks to our Speed-Full and Speed-Pre-Approval procedures, you receive results in three working days, allowing you to order materials sooner and deliver faster.
- You enjoy substantial savings and eliminate dual assessments when you combine PED certification with ISO 9001 or with other quality standards.

Call us and let us take the pressure off of you!



How to find the right category fast

Revised Conformity Assessment Tables according to PED 97/23/EC for pressure equipment and piping intended to contain unstable gas and fluids:

Table 1: Pressure equipment intended to contain unstable gas and Fluid Group 1 - "Dangerous Fluids"

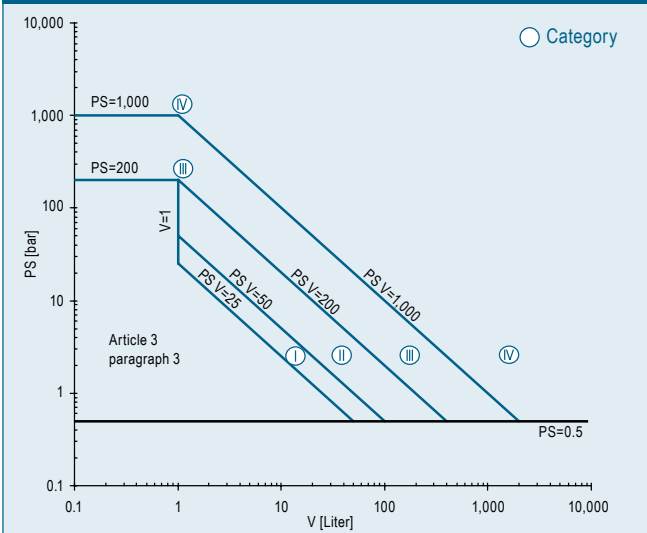


Table 2: Pressure equipment intended to contain unstable gas and Fluid Group 2 - "Other Fluids"

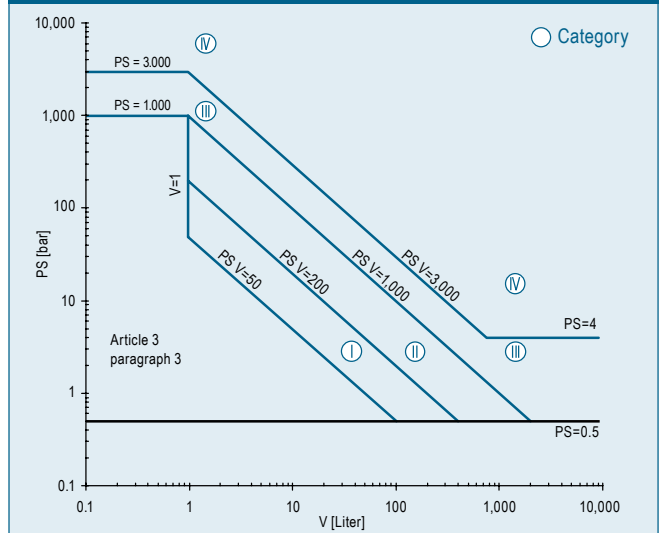


Table 6: Piping intended to contain unstable gas and Fluid Group 1 - "Dangerous Fluids"

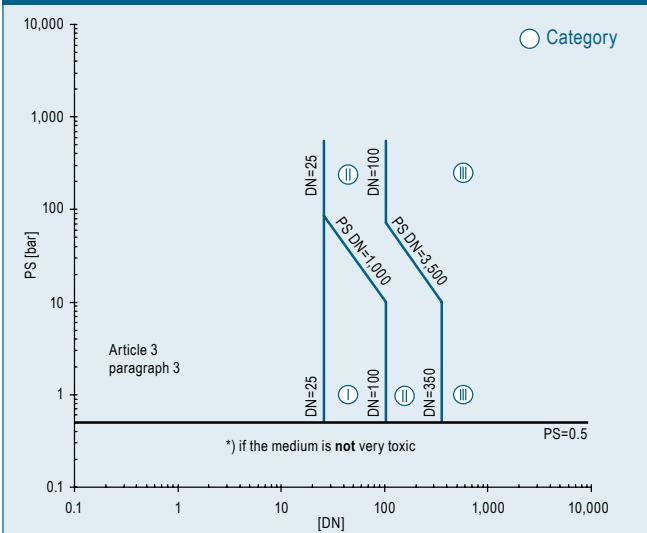
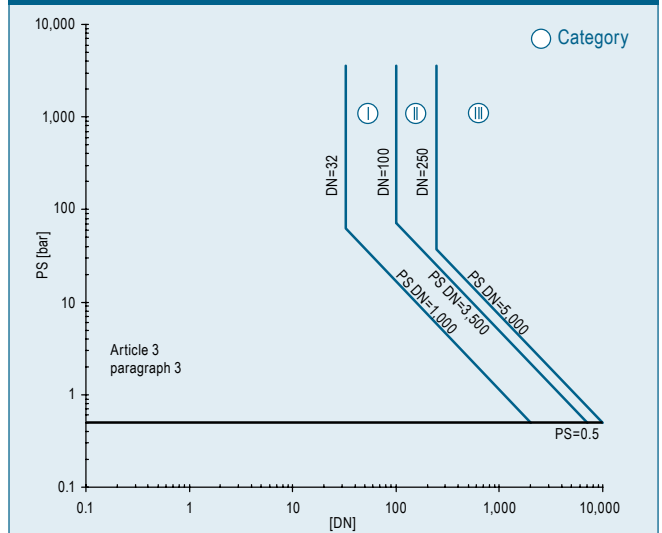


Table 7: Piping intended to contain unstable gas and Fluid Group 2 - "Other Fluids"



Group 1: Dangerous Fluids

Fluids covered by Art. 2(2) of 67/548/EEC defined as:

Explosive	Oxidizing	Flammable	Highly flammable	Extremely flammable	Toxic	Very toxic
E	O	R10	F	F+	T	T+
		no sign				

Group 2: Other Fluids

All other fluids not referred to in Group 1.

How to find the right table?									
Pressure equipment	Pressure vessel				Steam boiler (fired or otherwise heated)	Piping			
	Gas		Liquid			Gas		Liquid	
Medium	1	2	1	2	2	1	2	1	2
Fluid group	1	2	1	2	2	1	2	1	2
Table no.	1	2	3	4	5	6	7	8	9

One-stop shopping at GL

Why not save time through one-stop shopping at GL! We offer simultaneous certification in line with a number of EC Directives – and if required, in combination with **GL Rules** and **ISO 9001**. This means you can combine approvals for maritime and industrial equipment to different standards and directives in a single step.

Please take an information tour on our homepage www.gl-group.com/supplyindustry for more information on combinable products and services.

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