Förhandsgranskning / Preview Standard withdrawn 2020-04-29.

PED - Pipe Class DCS16A
DIN dimension series, PN 16, Material P235GH, z=0,7

Orientation

EU Directive 97/23/EC, which in English is known as the Pressure Equipment Directive – PED, was adopted by the European Parliament in May 1997. From 29 May 2002, EU Directive PED 97/23/EC became compulsory throughout the European Union. The European harmonised EN 13480 standard is a standard which complies with the requirements of EU Directive PED 97/23/EC of May 1997. The Swedish Work Environment Authority implemented this EU Directive in Sweden on 31 May 2002 in accordance with regulation AFS 1999:4 entitled "Pressure equipment".

This Pipe Classes standard has been verified and approved against the requirements of SS-EN 13480-3:2002 by the certified body (AO) 0409 Inspecta Sweden AB, certificate no. 09-744845-00.

This standard describes pipe components with dimensions according to DIN standard,pressure class PN 16. The standard complies with the values for the maximum permitted pressure (P_c) and temperature (T_c) for pressure class PN 16 according to the harmonised European flange standard SS-EN 1092-1:2001, tabell 15, material group 3E0.

For a list of SSG PED pipe classes, see SSG 7829E.

NB!
Component calculations in the pipe class are based on material P235GH as per SS-EN-standard which is included in material group 1.1 according to CR ISO 15608 (see also SS-EN 13480-2). This standard, SSG 7851E, can also be applied to other materials in material group 1.1 as per CR ISO 15608 with equal or higher strength values.
If a material of inferior strength value is chosen, the components may NOT be used according to the standard.

At fluid temperatures greater than 200°C we do not recommend galvanizing as the properties of the zinc deteriorate strongly and the outer surface becomes brittle.

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