

Guideline

2/2

CLAP

FORM N° 23

Version : 5

Directive 97/23/CE

Keywords:

DN

Piping

Pressure accessory

Standard

Directive reference:

Article 1 § 2.6 - 97/23 EC

Article 3 § 1.3 - 97/23 EC

Adopted by CLAP:

07/03/2013

Subject: Classification – Notion of DN

Question:

The Directive uses the notion of DN (defined in Article 1, paragraph 2.6) for the classification of piping or piping accessories (cf. Article 3, paragraph 1.3). How to apply the Directive for classifying the tubular products or accessories for which the notion of DN does not exist (copper tubes, plastic valves, pressure regulators, hollow sections...)?

Answer:

In the absence of DN in the standards, it shall be assumed that DN corresponds to the internal diameter in millimetres for circular products or the diameter in millimetres of the equivalent flow section for non-circular products.

In case of pressure accessories this assumption is made regardless of the diameter of the connection (which is usually expressed by DN).

For non-circular piping a comparative diameter must be determined from the existing cross-section. This comparative diameter must be used as the basis for classification.

Modification compared to the previous adopted version: Copy of guideline 2/2 (28/01/99) and editorial correction on 2013-3-07.