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Pressure Equipment Directive (PED) 97/23/EC Conformance

The Pressure Equipment Directive 97/23/EC of the EU sets out standards for pressure equipment (including safety valves) which are over one litre in volume and have a maximum pressure above 0.5 bar gauge.

PED 97/23/EC requires that certain pressure equipment products attain CE marking in order to be sold within the European community.

Article 3, Paragraph 3 of the PED allows that certain products, not exceeding specific DN or max. pressure ratings in combination, fall under **Sound Engineering Practice (SEP)**. SEP is defined as “*pressure equipment [that is] designed taking into account all relevant factors influencing its safety. Furthermore, such equipment is manufactured, verified and delivered with instructions for use in order to ensure its safety during its intended life, when used in foreseeable or reasonably foreseeable conditions. The manufacturer is responsible for the application of sound engineering practice*” (Guideline 9/1).

Primary Fluid Systems Inc.’s products are all categorized as **SEP**, except for specific pulsation dampeners and our calibration columns, which are not pressure vessels. This means that many of our products *do not require CE marking* in order to meet PED’s standards.

Our products are able to serve the EU market in both dangerous and non-dangerous liquids. Please consult with our technical sales representatives for further information, and to ensure that our products meet the needs of your applications.

For further information, please refer to the tables below.

| Product | Connection Size Range DN (Inches) | Max. Pressure Rating Bar (PSIG) | PED Category (SEP or CE required) |
|---|-----------------------------------|-----------------------------------|-----------------------------------|
| Eco Valve <i>All Models & Sizes</i> | 8 to 50 DN (¼” to 2”) | 25 Bar (350 PSIG) | SEP |
| Injection Quill <i>All Models & Sizes</i> | 15 DN (½”) | 10 – 207 Bar (150 – 3000 PSIG) | SEP |
| CS Corporation Stop <i>All Models & Sizes</i> | 15 DN (½”) | 10 – 138 Bar (150 – 2000 PSIG) | SEP |
| Accu-Vent <i>All Models & Sizes</i> | 8 DN to 20 DN (¼” to ¾”) | 10 – 18 Bar (150 – 250 PSIG) | SEP |
| Accu-Pulse - Some Models & Sizes SEP Conformant. Please consult with our Technical Sales reps for more information. | | | |

"Specializing in Metering Pump Accessories"

Non-Dangerous Liquid

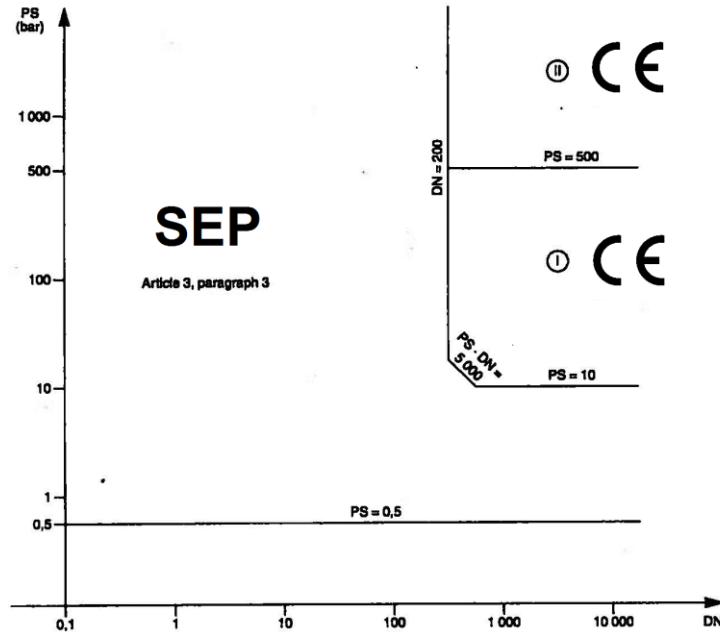


Table 9

Piping referred to in Article 3, Section 1.3 (b), second indent

For applications using dangerous liquids, which are defined as explosive, flammable, toxic, and oxidizing, the below table applies.

Dangerous Liquid

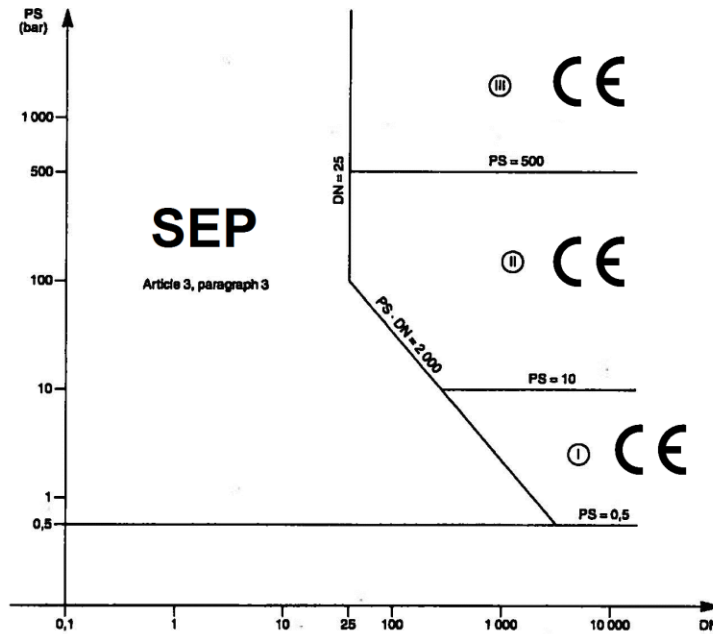


Table 8

Piping referred to in Article 3, Section 1.3 (b), first indent

Note: Above diagrams taken from pages 46 and 47 of EU Directive 97/23/EC.

"Specializing in Metering Pump Accessories"