



## **The Pressure Equipment Directive and Pegler Products.**

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## **1. Introduction**

From 30<sup>th</sup> May 2002 most pressure equipment and assemblies placed on the market in United Kingdom had to comply with the Pressure Equipment Directive (PED) 1999.

This original Pressure Equipment Directive (97/23/EC) is being replaced by a brand new Directive that has been aligned to the New Legislative Framework. Manufacturers have to review CE marking procedures and Documentation. The New Directive is being introduced in two phases:

New Directive 2014/68/EC- Article 13 on Classification in force from 1<sup>st</sup> June 2015.

New Directive 2014/68/EC- remainder will enter into force 19<sup>th</sup> July 2016.

The scope of the Directive is unchanged but additional generic definitions that are included do not have any significant impact on Pegler CE Marking.

Pegler has to meet all the obligations as a “manufacturer” as defined as one of the four types of economic operator in the Directive.

Valves with a maximum allowable pressure greater than 0.5bar are covered by these Regulations. Valves are categorised according to their maximum working pressure, size and rising level of hazard. The level of hazard varies according to the fluid being carried. Fluids are classified as Group 1, dangerous fluids or Group 2, all other fluids including steam. The Categories designated are SEP (Sound Engineering Practice). Valves up to and including DN25 (1”) are designated SEP regardless of Fluid Group. Those identified as having increased hazard are categorised as I, II, III or IV. All valves designated as SEP must not bear the CE mark nor require a Declaration of Conformity. Valves Classified from the piping chart would not be included in Category IV.

Group 1 Fluids are now aligned with the CPL Regulations (Classification, Labelling & Packaging of Substances and Mixtures Regulation- Regulation (EC) No. 1272/2008 under Article 13 of 2014/68EC.

## **2. Conformity Assessment Modules.**

There have been changes made to the assessment modules and these will be considered when making new applications.

Pegler currently operates under Module D1: Quality Assurance of the Production Process. This includes Technical Documentation and Manufacturing (Quality Systems, Surveillance under the responsibility of a Notified Body, CE Marking and EU Declaration of Conformity).

### **3.0 Pegler Plumbing Products**

Not all Pegler products need to be classified under the Pressure Equipment Directive- most are exempt from its requirements. Details of our exempt products are as follows:

#### **Fittings**

##### ***3.1 Compression Fittings***

Kuterlite K600 series, K900X series, K700 series and K1700 series, Prestex and Mercia

##### ***3.2 Capillary Fittings***

Yorkshire and Mercia Internal Solder Ring

Endex, Endex Endbraze (including flanges) and Mercia end feed ranges.

XPress Press System ranges

Tectite Push fit ranges

#### **3.3 Tube**

Henco Multilayer pipe

Tectite tube

XPress System Tube, Carbon Steel, Plastic coated galvanised carbon steel, stainless steel tube and galvanised sprinkler tube.

**3.4 Heat Interface units.** Meibes Blu-Climate range

##### **3.5 Radiator valves**

Terrier, Belmont, Bulldog and Mistral radiator valves.

##### **3.6 Pegler plumbing valves**

Pegler Thermostatic Mixing valves

Kuterlite Non-return valves

Pegler y pattern strainers

Pegler Pressure Reducing valves

Pegler, Tectite, Kuterlite and Yorkshire Stop valves, angle valves and appliance valves

Pegler float operated valves

### **3.7 Washroom Products**

Performa and Francis Pegler Domestic and Commercial Brassware.

### **4.0 Pegler Valves – Classification**

#### **4.1 Pegler valves – Article 3, Section 3 SEP (Sound Engineering Practice).**

Fittings are exempt from the PED unless they are incorporated into pressure equipment. In cases such as this the product must not be CE marked.

Pegler Ballorex Venturi, Fixed, Dynamic, Delta and Thermo balancing and commissioning ranges.

Pegler Ballorex MVS (Modular Valves System).

Pegler Ballofix DZR ranges of mini isolating valves.

Pegler PEG62 water hammer arrestor

Pegler and Tectite ball valves TX300, PB300, PB350, PB100, PB500, PB550 and PB700 series up to DN25 (1")

Pegler and Ballorex "adapted ended" valves DN15 to DN50.

Pegler gate valves 1072, 1070/125, 10751, 1078, 1068, 1065, K416, K416GM, YP415GM

Pegler Check valves 1060A, 10638 and 1062 swing, 1039 Horizontal and 1063, 1064, 2064 spring type.

Pegler PB500, PB500MF, PB100 Red Lever and Tee, PB550, PB350, PB360WMK, PB60HU Blue Lever and Tee.

Pegler Cast and Ductile iron valves V905, V906, V914, V912, V909, V950, V951 and V850.

Pegler Drain cocks and Gland cocks 833, 834, 838, TX526S, K526S and 1832

#### **4.2 Pegler valves- Category I - CE marked only**

Pegler PB700, PB500 quarter turn ball valves with Yellow Lever and Yellow tee handle ball valves (Gas Families 1, 2 and 3 MOP5 and Air maximum 10bar) DN32 to DN100.

Pegler PB300 quarter turn ball valves, Lever and Tee handles, 35mm to 54mm.

1029 Renewable disc globe valves DN32 to DN50.

#### **4.3 Pegler valves- Category II- CE marked with Notified Body reference**

(Notified Body 0086 BSI).

### **5.0 Broen valves- Category III – Module H, full quality assurance.**

Notified Body Bureaux Veritas 0062 CE PED-H-BVG001-02-DK

Broen Ballomax® quarter turn steel ball valves, sizes up DN32 do not carry the CE Mark, as they are categorised under Article 3, Section 3 (Sound Engineering Practice)

### **6.0 EU Directives.**

Products in the Pegler valves portfolio have been subject to two Directives, PED 1068/14EC and CPR (Construction Products Directive) 89/106/EEC. This means that under the PED some valves must not be CE marked (Article 3, section 3 – SEP) with sizes under DN32, there is a conflict with the requirement to CE mark all sizes up to 2"/DN50/54mm under the CPR.