

# Pressure Equipment

## PNEUROP Committee 6



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# Pressure Equipment

## PNEUROP Committee 6

Chairman: Franco Tartaglino

AIR COM S.R.L.

Secretariat: Alessandro Maggioni

ANIMA/ COMPO



## PN6 Pressure Equipment - INDUSTRY

- **Pressure is a traditional sector, which started to be regulated right from the industrial revolution.**
- **The sector and the product range covered by pressure equipment directives is enormous: from storage containers to boilers in electrical power stations, including also complete chemical plants.**
- **Nowadays, the Pressure Equipment Market, covered by three Directives (PED, SPVD and T-PED), is characterized by a growing wideness and complexity, in term of products typology, and is going through a continuous innovation, accompanied by a process of harmonization of the standards.**

# PN6 Pressure Equipment - INDUSTRY



## PN6 Pressure Equipment - LEGISLATION

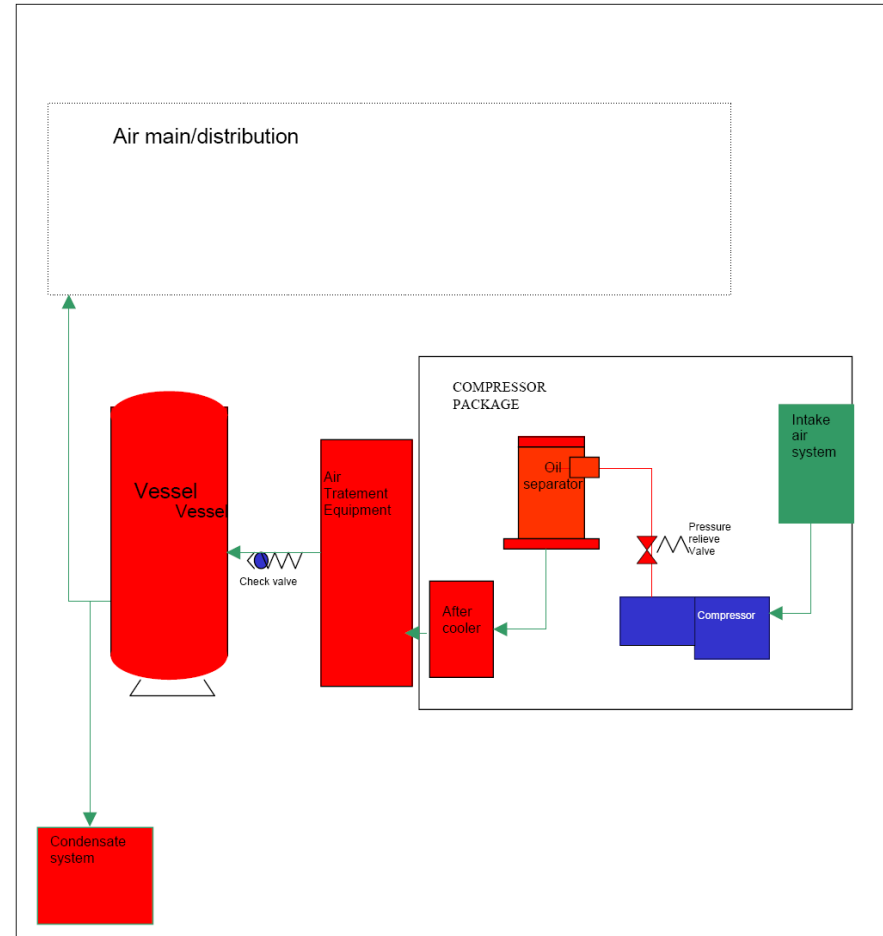
**The PED applies to the design, manufacture and conformity assessment of pressure equipment and assemblies with a maximum allowable pressure PS greater than 0.5 bar.**

**Many component of the compressors air system may belong to PED:**

- **pipings including any kind of connectors classified according article 1.3 (e.g. in compressed air systems);**
- **air coolers / heat exchangers (s. art. 1.2.1.2);**
- **filter / separator housings;**
- **safety/relief valves;**
- **pulsation dampers;**
- **vessels not included in SPVD (87/404/EEC)**

# PN6 Pressure Equipment - LEGISLATION

**When the air compressor contains pressure equipment of category I, not covered by Machinery Directive, and pressure equipment of category II to IV, the result should be seen as an assembly according to the PED.**



# PN6 Pressure Equipment - LEGISLATION

## EC-Declaration of conformity (Directive 97/23/CE)

**Manufacturer** AAA, Address, Country

**Description of the assembly** Compressed air system..., serial number n° ...

**Conformity assessment followed**

Module B : ON = N° - Name – Address – EC-type examination certificate n° XXYYZZ

Module D : ON = N° - Name – Address

**Description of the items constituting the assembly**

Piping including any kind of connectors classified according article 1.3, Air coolers, Heat exchangers, Filter, Separator housing, Safety/relief valve, Pulsation damper, Vessels and reclaimers not included in SPVD

**References of the harmonised standards applied**

**References of other technical standards/ specification used**

**References of other Community Directives applied**

## PN6 Pressure Equipment - ACTIVITY

**PN6 is the Committee that, within PNEUROP, is involved with pressure equipment issues.**

➤ **Assisting PN6 members**

PN6 objective is to be the point of reference for manufacturer, in order to solve all the problems related to the application of European Directives, supporting members in the examination, interpretation and study of the Directive

➤ **Monitoring the European working groups**

The PN6 Secretariat attends regularly the PED Orgalime Working Group and the Working Group Pressure of the European Commission in order to monitor and to take part in the guidelines preparation and approval process.

➤ **Supporting international standardisation and the harmonization of periodic in-service inspections in the EU**

➤ **PN6 Position Papers and clarification sheets**

PN6 periodically issues clarification papers with the aim to clarify the pressure legislation application and to defending the interests of the compressor sector among the competent institutions.



## PN6 Pressure Equipment - Position Paper

### ○ Clarification Paper concerning the applicability of the EC-Directive 97/23/EC for air compressors intended as assemblies

The position clarifies the concepts of PED assembly and installation and gives some examples of art.3.3 and PED components installed in the compressed air system

### ○ Clarification Paper Concerning the Conformity Assessment of Compressed Air Systems according Directive 97/23/EC

The position linked to the first one, defines the technical documentation and the conformity assessment required for compressed air system

### ○ Position Paper concerning the EC-Directive 97/23/EC revision

The position clarifies the Pneurop views on the PED revision process, that should not be driven by the merge of SPVD and PED, rather than by technical and legal necessities to update the existing directive

# Thank you

