



Dr. Ing. Leonardo Bonini INGEGNERIA della SICUREZZA, AMBIENTE e della QUALITA'



BULLETTIN N. 4/2020

PRESSURE EQUIPMENT – Let's not forget them

In reporting the increasing number of accidents that have unfortunately occurred in recent times, although not in the news, we take this opportunity to remind you that the pressure equipment is always in the same place every day; almost all under our gaze, others hidden for example in the containers of air refrigeration compressors. The daily community with these makes us forget that, after their commissioning, they also require maintenance to highlight clogging, corrosion and the use of safety means no longer calibrated.

The D.Lgs. 81/2008 in Annex VII makes it very clear that the cadences of the controls are very precise.

ALLEGATO VII – CHECKS OF WORK EQUIPMENT

Equipment (name used in Allegato VII D.Lgs. 81/2008)	Intervention/periodicity
Equipment/sets containing group fluids 1 (D.lgs. 93/2000 art. 3) Containers/set classified in category III and IV, vessels containing unstable gases belonging to category I to IV, furnaces for chemical and related industries, generators and containers for non-water overheated liquids.	Operation check: two-year Integrity check 10-year
Equipment/sets containing group fluids 1 (D.lgs. 93/2000 art. 3) Recipients/set classified in category I and II.	Operation check: four-year Integrity check : 10-year
Equipment/sets containing group 1 fluids (D.lgs. 93/2000 art. 3) Gas pipes, vapours and overheated liquids classified in category I, II and III	Operation check: five-year Integrity check : 10-year
Equipment/set containing group 1 fluids (D.lgs. 93/2000 art. 3) Liquid pipes classified in category I, II and III	Operation check: five-year Integrity check : 10-year
Equipment/sets containing group 1 fluids (D.lgs. 93/2000 art. 3) Containers for liquids belonging to category I, II and III.	Operation check: five-year Integrity check: 10-year
Equipment/sets containing group fluids 2 (D.lgs. 93/2000 art. 3) Containers/sets containing compressed gases, , liquefied and dissolved or vapors other than the water vapor classified in category III and IV, and vessels of water vapour and overheated water belonging to categories I to IV	Operation check: three-year Integrity check: 10-year
Equipment/sets containing group fluids 2 (D.lgs. 93/2000 art. 3) Containers/sets containing compressed/ gases, , liquefied and dissolved or vapours other than water vapor classified in I and II category	Operation check: four-year Integrity check : 10-year



Intertek STUDIO CERTIFICATO UNI EN ISO 9001:2015 Value Quality. Delivered. Certificato No. 1215872-01

Via Galliera n°34, 40121 BOLOGNA Tel.: +39 051 240 241–FAX: +39 051 716 032 3

E-mail: l.bonini@leonardobonini.com Web: www.leonardobonini.com



Dr. Ing. Leonardo Bonini INGEGNERIA della SICUREZZA, AMBIENTE e della QUALITA'

Equipment/sets containing group 2 fluids (D.lgs. 93/2000 art. 3) Watervapor generators . /	Operation check: two-year Internal visit: biennial Integrity check : ten years
Equipment/sets containing group fluids 2 (D.lgs. 93/2000 art. 3) Gas pipes, vapours and overheated liquids classified in category III, having TS < 350 degrees Celsius	Integrity check 10-year
Equipment/sets containing group fluids 2 (D.lgs. 93/2000 art. 3) Gas pipes, vapours and overheated liquids classified in category III, having TS > 350 degrees Celsius	Verification of operation: five-year Integrity check:10-year
Hea generators powered by solid, liquid or gas fuel for central heating systems using hot water under pressure with water temperature not exceeding the temperature boiling at atmospheric pressure, having global potential of outbreaks above 116 kW	Five-year verification

Please note that the Safety Valves must be **replaced at every check**, dismantling the installed ones and reassembling new ones or existing retards.

Studio **Dr. Ing. Bonini Leonardo** is available for clarification

Bologna 14/04/2020



Intertek STUDIO CERTIFICATO UNI EN ISO 9001:2015 Value Quality. Delivered. Certificato No. 1215872-01

Via Galliera n°34, 40121 BOLOGNA Tel.: +39 051 240 241–FAX: +39 051 716 032 3

E-mail: l.bonini@leonardobonini.com Web: www.leonardobonini.com