# **TSG** Safety and Technical Regulation for Special Equipment

TSG R 3001-2006

# 压力容器安装改造维修许可规则 Pressure Vessel Installation, Alteration and Repair Licensing Regulation

Issued by General Administration of Quality Supervision, Inspection, and Quarantine of PRC

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#### Regulation for License of Installation, Alteration and Repair of

#### **Pressure Vessel**

#### **Chapter 1 General Provisions**

**Article 1** The regulation is established based on the "Articles for Safety Supervision over Special Equipment" ("Articles" for short below) in order to strengthen the supervision over installation, alteration, repair of the pressure vessel, and to normalize the license of the same installation, alteration, repair of the pressure vessel, and further guarantee the safe operation of the pressure vessels.

**Article 2** The pressure vessels referred to in this regulation refer to ones that fall with the scope of application laid down in the Articles, and don't include the following:

- (1) Transportable pressure vessel equipment (limited to installation only);
- (2) The pressure vessel for the refrigeration device;
- (3) The pressure vessel made with non-metallic material;
- (4) The pressure vessel working in the vacuum (not including the jacketed pressure vessel);
- (5) The pressure vessel with its maximum working pressure less than 0.1MPa under normal operation (including the one that is required to stand the transient pressure more than or equal to 0.1Mpa during the feeding or discharging process, not including the one that is required to stand the short-time pressure more than or equal to 0.1Mpa during the sterilization and cooling processes and others);
- (6) The non-independent pressure containing members of the machine (including the cylinders of the compressor, power generator, pump and diesel engine or pressure shell or others, but not including the dryer cylinders of the paper-making and textile machinery and the auxiliary pressure vessel of a compressor);
- (7) The non-shell type double pipe heat interchanger, corrugated plate interchanger, air-cooling type interchanger, cooling coiled pipe and others;

The pressure vessel that is required to receive the final circumferential weld at site and that is to be welded into a whole at site, don't fall within the licensed scope of pressure vessel installation.

The license of installation, alteration, repair of the medical hyperbaric oxygen chamber shall be carried out in accordance with "Medical Hyperbaric Oxygen Chamber Safety Management Regulation".

**Article 3** The installation, alteration, repair of the pressure vessel laid down in the regulation including the following:

- (1) Installation: The installation of the entire pressure vessel in place, or its reinstallation in a new location;
- (2) Alteration: Replacement, addition, reduction and otherwise alterations of the main pressure components of the pressure vessel, leading to the changes in the parameters, media, and application and other safety and technical performances indexes of the pressure vessel;
- (3) Repair: Repair of the pressure vessel and its main pressure components, not leading to the changes in the parameters, media, and application and other safety and technical performances indexes of the pressure vessel;

Note: Otherwise alterations refer to the alteration in the design conditions, service conditions, leading to the



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