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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 11943-2008

Replacing GB/T 11943-1989

Boiler drawings

锅炉制图

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Foreword

This standard replaces GB/T 11943-1989 "Boiler Drawing." This standard compared with GB/T 11943-1989 main changes are as follows:

- General in Chapter 3, the increase in the general view of the boiler, the requirements of section diagram clearly left and right side of the boiler water wall, dividing the header in principle;
- In Chapter 4, the tube drawing and dimensioning, increasing the legend and membrane tubes with a single thick solid line indicates the Wall and the shaft Mapping painting, etc;
- In Chapter 5, drum, set top box and the dimensions of the painting, the increase in the inner drum surface by an expanded view of the legend, hole size similar And unequal pitch staggered rows of holes tagging methods;
- Chapter 6 steel painting and dimensioning, increasing the general view of the boiler steel structure and steel general plan requirements, rigid beam arrangement Legend with a single thick solid line maps;
- In Chapter 7, a cross-sectional symbols and graphic symbols, increasing the graphic symbols hole, the pipe system of valves and accessories graphic symbols;
- Added Appendix A (informative) pipe isometric drawings;

--- Added Appendix B (informative) furnace wall insulation material sectional symbol. The Standard Appendix A, Appendix B is an informative annex. This standard by the National Standardization Technical Committee of the boiler pressure vessel (SAC/TC262) and focal points. This standard by the National Standardization Technical Committee of the boiler and pressure vessel boiler Technical Committee (SC1) organization revised. This standard was drafted. Beijing Babcock & Wilcox Company. The main drafters of this standard. Guo Yi, Luo sound. This standard replaces the standards previously issued as follows:

--- JB2632-1981;

--- GB/T 11943-1989. Boiler Drawing

1 Scope

GB/T 11943-2008 is the Chinese national standard on boiler drawings, in the field of energy and heat transfer engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 January 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 July 2008. Classification: ICS 27.060.30, CCS J98. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the special drawing boiler product design requirements. This standard applies to the boiler, the boiler steel structure drawing, scope boiler pipes, accessories and auxiliary equipment pattern.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 4458.1 Mechanical drawings - view (GB/T 4458.1-2002, ISO 128-34.2001, MOD)

GB/T 4458.4 Mechanical drawings - Dimensioning

GB/T 4458.5 Mechanical drawings with dimensional tolerances and injection method
Sectional

GB/T 4458.6 Mechanical drawings - view and a sectional view (GB/T 4458.6-2002,

ISO 128-44.2000, MOD) Graphics Graphical symbols line

GB/T 6567.5 piping systems, fittings and valves symbol isometric drawing method

3 General

3.1 Total boiler shall meet the following basic requirements.

a) general view shows only the boiler assembly relations ministries, between the components, the number and arrangement pattern may lead parts list parts concerned Section boiler components in the order listed in the General List;

b) Boiler general view title bar should be indicated Boiler Model;

c) the boiler when the total number of sheets of drawings Figure Composition, specifications and technical requirements of the boiler should be located Home.

3.2 boiler unit, component diagram should be drawn portion, the overall arrangement of the components, for which the structure should seek to repeat simplified.

3.3 Boiler left and right water wall, set top box, so as to face the front of the boiler wall to divide the "left", "right" pieces. Generally symmetrical member is appropriate, "positive", "against" member FIG.

3.4 boiler parts and components, should be drawn separately drawings, in the following circumstances do not allow individual drawing parts and components Figure.

a) after punching or cutting steel vertical no longer by the other machined parts.

b) simple parts from steel plate punching or gas cutting made in Fig or assembly unit, drawing on a detailed assembly diagram.

c) purchased the finished piece. Purchased parts and components if still partial processing, in addition to the processing section showing detail, the rest can be omitted representation.

3.5 symmetrical parts, assembly unit, generally draw a pattern on the graph shows graphs only one of the parts, the Ministry of assembly, another zero Member assembly unit in its symmetrical parts are indicated by the imaginary line, this time should be separately marked "left" on the pattern, "right" member or "positive", "against" member. The same or similar shaped parts, components section

3.6 Structure, should be drawn into the table of FIG.

3.7 can be omitted in the following cases view.

a) a view can be expressed clearly do not have to configure a second view;