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I.I. IVANOV, V.YU. PETROV

PROCEDURE FOR TECHNICAL AND ECONOMIC JUSTIFICATION OF DIAGRAMS OF HEAT-GENERATING PLANTS THIS PRESSURIZED UTILIZERS

(12 Times New Roman font, bold, capital letters, centered, without hyphenation)

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(10 Times New Roman font, italics. Academic degree, academic title, place of work, country, city)

The present paper deals with the first stage of pressurized heatutilizer forming nonstationary heat fields in condensing vapours from the steam-gas media. Integration of the differential equations obtained makes it possible to get heat and structural parameters for calculating pressurized heat-utiliters

(10 Times New Roman font, 3 cm red line, 2 cm margins, no more than 8 lines wide)

After the abstract, the key words are indicated in Russian (font 10 pt, in width).

Key words: condensing vapours, installations, two-level, heat of condensation, water pairs, smoke gases, a dew-point

The articles are presented in printed form and electronically (on a disk or flash card). The paper version must be signed by the author(s). The volume of the articles is from 5 to 10 full A4 pages. Margins on the left and right are 2 cm each, bottom and top are 2.5 cm each. It is not allowed to use Office Open for the design of the article. For the main text, use only the Times New Roman font with a height of 12 points with a single interval. Do not use any other font. To ensure uniformity of style, do not use italics, and do not underline the text. The indentation of the first line of the paragraph is 1.25 cm.

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To refer to formulas in the text, use the following style: expression (1) or (1).

For example:

$$\eta(a) = \eta_{\infty} + (\eta_o - \eta) e^{-\gamma \frac{a}{g}}, \qquad (1)$$

in which $\eta_o \bowtie \eta$ are the initial and final values of viscosity coefficients; *a* is the acceleration of ground vibrations; *g* is the acceleration of free fall.

The illustrations are made in vector format in the Corel Drow 7.0, 8.0 or 9.0 graphics editor or in any of the MS Office 97, 98 or 2000 graphics applications. Graphs, drawings, and photographs are mounted in the text after the first mention of them in a form convenient for the author. The name of the illustrations (10 pt, regular) is given below them in the center after the word Fig. with an ordinal number (10 pt, bold). If there is only one drawing in the text, the number is not put, only the Fig. is written, without the number, and then the name of the figure. Do not put a dot after the caption of the picture name. There is 1 interval between the picture caption and the text. All drawings and photographs can be presented in either black and white or color. Avoid thin lines in the graphs (the line thickness should be at least 0.2 mm).

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Fig. 1 - Combined scheme of using a two-stage condensing heat exchanger

The word Table with an ordinal number is placed on the right edge. The next line shows the name of the table (centered without indentation) without a dot at the end. Table contents (10 pt), formatting on the left edge. There is a 1-interval gap after the table. The only table in the article is not numbered, only the name is given above it in the center, without hyphenation. The link to it in the text is the word Table (in full).

To create the tables, use the sample provided below. Leave one space between the table and the text below.

The text of the article must include an Introduction section that reflects the relevance of the topic covered in the article. The rest of the text should be divided into thematic blocks (at least two), the headings of which clearly reflect their content. The materials of the article must also have a logical conclusion, highlighted in the text with the heading Conclusions, in the center of the page in bold (12pt). There is no dot or colon after the words Introduction and Conclusions. The words Introduction and Conclusions on both sides are separated from the text by spaces in one interval.

Abstracts should fully reflect the main content of the article: a brief justification of the relevance of the topic and the purpose of writing the article; the tasks set within the article to achieve this goal, and the interpretation of the main conclusions.

References to literary sources in the text are enclosed in square brackets [1].

The bibliographic list is given after the text of the article in Russian. There is no dot or colon after the words Bibliographic List. This is followed by a space of 1 interval and a list of sources in

the order of their mention in the text. The 12 pt font is regular, page-width alignment, 1 cm red line. In one scientific article there should be at least four and no more than 15 references to literary sources. The design of links must be carried out in full compliance with the requirements of the current GOST 7.0.100-2018 "System of standards for information, librarianship and publishing". Use this style for the bibliographic list at the end of the article. Several articles by the same author should be listed in chronological order.

The maximum number of the authors in an article is 3.

Table 1

Technical and economic characteristics of the combined scheme of using a two-stage condensing heat exchanger

Value	Designation	Dimension	Formula	Significance
Amount of heat	Q	J	$Q = cm\Delta t$	100

Example of References in Russian

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Example of transliteration of References

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After the References, the authors, the title of the article, academic degree, academic title, place of work, country, city, as well as annotations and keywords are written in English.

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