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

GB/T 7780-2016

Filters - Model designation

过滤机 型号编制方法

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 7780-2005 "Filter model preparation method". This standard compared with GB/T 7780-2005, the main changes are as follows: - Added "Chapter

3 Terms and Definitions" (see Chapter 3);

--- increase the "drum vacuum filter characteristics code" (see Table 1);

--- delete the "disc filter characteristics code" (see Table 1, 2005 Table 1);

--- increase the "comeback filter feature code" (see Table 1);

--- modified the "leaf filter model identification method", increase the "vertical candle" feature code (see Table 1, 2005 version 1);

--- Replace the "cartridge filter" with "core filter" (see Table 1, 2005, Table 1); - the "gravity belt press filter" has been removed (see Table 1, 2005, Table 1);

--- increase the "strong belt press" (see Table 1);

--- modified "belt press filter" model that method (see Table 1, 2005 Table 1);

--- "sealed pressurized filter" to "mixing tank filter", increased the type code and character code (see Table 1, 2005 version Table 1);

--- modified the "box filter and plate and frame filter press" model that method (see Table 1, 2005 Table 1);

--- increased the "cantilever type filter press" structure type code, an increase of the code (see Table 1); - Added "4.8" and "Table 2" (see table

4.8 and table 2);

--- Change the "Concentrator" to "Concentration Filter" (see Table 1, 2005, Table 1);

1 Scope

China's national model designation system for industrial filters. Filtration equipment is the most heterogeneous category in process machinery: plate and frame presses, belt filters, rotary drums and discs, candle and cartridge filters, pressure leaf filters and their many hybrids, each sized by filtration area and distinguished by how the cake is discharged and how the cloth is washed. Choosing between them for a given slurry is genuinely difficult, and comparing quotations is harder, because manufacturers describe their machines in their own vocabulary. A designation system fixes the type codes and the way the principal parameters are expressed, which is what allows two offers to be set side by side and what allows a filter installed twenty years ago to be identified for a cloth or a spare. The standard specifies the model preparation method for industrial filters, and works alongside the corresponding designation standards for centrifuges and separators.

This standard specifies the type of industrial filter model preparation method. This standard applies to the preparation of industrial filter models.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 4774 Filtering and Separation Terminology

3 Terms and definitions

The definitions and definitions of the following terms and definitions apply to this document.

3.1 Multi-plate helical pressure filter A continuous solid plate consisting of a plurality of fixing plates, a multiple movable plate, and one or more filter units having a screw shaft extending therethrough. Liquid separation equipment.

4 Preparation method

4.1 filter product name by the model code and the Chinese name together.

4.2 filter name in the Chinese name should be consistent with the provisions of GB/T 4774, model code with the Chinese name in the representative of the capital. The first letter of phonetic alphabet.

4.3 filter model by the basic code, the code, the main parameters, and the separation of materials in contact with the material part of the four parts. specific The representation is as follows:

4.4 filter model of the basic code according to the filter category, type, characteristics of the classification of the principle of preparation.

4.5 The filter number in the filter model is optional, the filter has more than two characteristics, you should select the most representative features Said.

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