Chinastandards.org

ICS 27.120

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 51012-2014

Code for construction and acceptance of process gas piping in uranium enrichment plant

铀浓缩工厂工艺气体管道工程施工及验收规范

(English Translation)

Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-51012-2014

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Terms and Definitions
3.1 General Requirements
3.2 Construction Survey
3.3 Construction Planning
4.2 Construction Traffic
4.3 Structure, Materials and Equipment Transportation
4.4 Configuration of distributed resources
4.5 Grid structure and layout design
5 Neutron Fluence Rate Measurement
5.2 Neutron Detector
5.3 Neutron Fluence Rate Measuring Instrument
5.4 Neutron Fluence Rate Level-Related Alarms, Controls, and Shutdowns
5.5 Calibration and testing of neutron fluence rate measuring instruments
6 Temperature measurement
6.2 Fuel assembly temperature measurement
6.3 Moderator Temperature Measurement
6.4 Coolant temperature measurement
6.5 Temperature Measurements Important to Reactor Safety
6.6 Temperature protection instrument
6.7 Monitoring program
6.8 Environmental monitoring program
6.9 Emergency environmental monitoring
7 Coolant Measurement
7.2 Coolant flow measurement
7.3 Coolant pressure measurement
7.4 Coolant level measurement
7.5 Coolant Leakage Measurement
7.6 Coolant Purity Measurement
7.7 Coolant radioactivity measurement

Preview: page 2 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-51012-2014

8 Protection system
8.1 Introduction
8.2 Input-output diagram
8.3 Comprehensive Assessment of Energy-saving Design
9 Instrument power source
9.2 Reliable power system
9.3 Trial Run of Wind Turbine Generator System
9.4 Testing of Transformer

1 Foreword

GB/T 51012-2014 was issued by State Administration for Market Regulation; Standardization Administration of the PRC on 13 July 2014.

The GB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

GB/T 51012-2014 falls under ICS 27.120, in the field of energy and heat transfer engineering.

This catalogue holds 1,532 other GB/T standards in that field.

In this catalogue, GB/T standards carry edition years from 1963 to 2026.

3 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of the PRC

English translation: about 15 pages (approximate)

4 Classification and status

International classification (ICS): 27.120

Prefix GB/T: recommended standard.

Preview: page 3 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-51012-2014