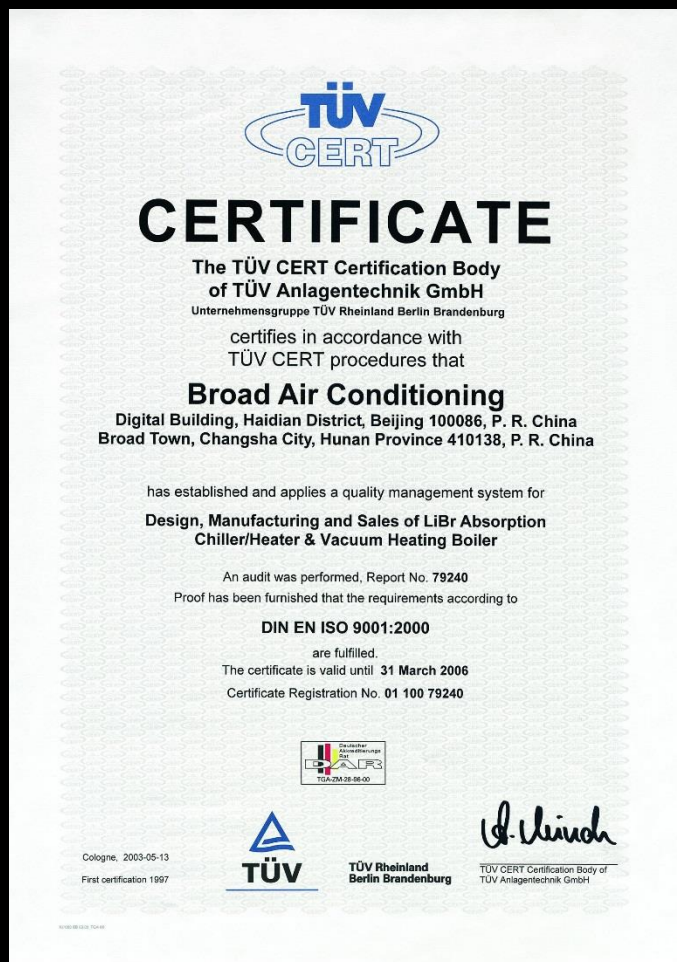




# Сертификаты

ISO9001 сертификат ТЮФ  
Райнланд (Германия)



ISO14001 сертификат  
SGS (Швейцария)





# Сертификаты

Сертификат соответствия требованиям безопасности UL  
-Underwriter Laboratories Inc. (США)

1285 Walt Whitman Road  
Melville, New York 11747-3081  
United States Country Code (1)  
(516) 271-4200  
FAX No. (516) 271-8259  
<http://www.ul.com>

**UL Underwriters Laboratories Inc.®**

**CERTIFICATE OF COMPLIANCE**

CERTIFICATE NUMBER: 050799  
ISSUE DATE: 03/11/99

Issued to:

Broad USA LTD  
Suite 7929  
1 World Trade Center  
New York, NY 10048

Report Reference: MH19712, Volume 1

This is to Certify that representative samples of:

Absorption Air Conditioning Equipment, Models BZXXXVIB, BZXXXVIBC, BZXXXVIBS, BZXXXVIC have been investigated by Underwriters Laboratories Inc. in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 795, Commercial-Industrial Gas Heating Equipment  
UL 726, Oil-Fired Boiler Assemblies  
UL 296, Oil Burners

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service

The UL Listing Mark generally includes four elements as follows: the name "Underwriters Laboratories Inc." in various forms and type styles, or abbreviations such as "Und. Lab. Inc." or the symbol "UL in a circle", the word "Listed", a control number (may be alphanumeric) assigned by UL; and, the product or category name (product identifier) as indicated in the appropriate UL Directory.

LOOK FOR THE UL LISTING MARK ON THE PRODUCT

Engineer: *Richard Taylor*  
Richard Taylor  
Senior Engineering Assistant  
Underwriters Laboratories Inc.

Reviewer: *Robert DellaValle*  
Robert DellaValle  
Associate Managing Engineer  
Underwriters Laboratories Inc.

A not-for-profit organization  
dedicated to public safety and  
committed to quality service

Европейское соответствие (CE)  
топливной директиве  
-GASTEC (Нидерланды)

Number E 0750

**CE**  
0063

GASTEC NV hereby declares that the  
Direct Fired Absorption Chiller / Heater, types  
BZ10N through BZ500N... (H, through H<sub>4</sub>)

made by **Broad Air Conditioning,**  
in **Changsha, Hunan, China,**

meet the essential requirements as described in the  
Directive on appliances burning gaseous fuels  
(90/396/EEC).

PIN : 0063BL3603  
Report number : 172603  
Appliance types : B23

Mentioned products have been approved for Natural gases and LPG  
for the following countries:

AT	BE	DE
DK	ES	FI
FR	GB	GR
IE	IT	LU
NL	NO	PT
SE	CH	

Apeldoorn, 4 December 2000

*dr. Li Noordzij*  
dr. Li Noordzij,  
President.

**GASTEC**

GASTEC NV  
P.O. Box 137  
7300 AC, Apeldoorn  
The Netherlands  
Willemstraat 50  
7327 AC Apeldoorn

00/820





Европейское соответствие (СЕ) топливной директиве (BCT) -IG (Italy)

Европейское соответствие (СЕ) топливной директиве (BZY) -IG (Italy)

[illegible]



# Сертификаты

Сертификат безопасности ETL  
(прямого сжигания топлива)  
-INTERTEK ETL EMKO (США)

**Intertek ETL SEMKO**  
**AUTHORIZATION TO MARK**

This authorizes the application of the Certification Marks shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

**Applicant:** Broad Air Conditioning  
Broad Town, Changsha, Hunan 410138, China  
**Contact:** Name: Mr. Tan Yong Qiang  
TEL:(86)731-4086688 FAX:(86) 731-4613440

**Manufacturer:** Same As Applicant

**Report No.:** 3039384-004

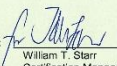
**Report Issuing Office:** Intertek, Columbus Office

**Product Covered:** Broad N DFA Direct Fired Absorption Chiller/Heaters assemblies; BZ model series where B is followed by Z followed by XXXX where XXX is 15, 20, 25, 30, 40, 50, 65, 75, 85, 100, 125, 150, 175, 200, 250, 300, 400, 500, 600, 800, 1000, and X is Broad's designations associated with the heat source type.

**Description:** The product covered in this report is absorption chiller/heater assembly used to produce Chilled water for industrial or commercial air handling equipment. Water is used for Refrigerant medium. All refrigerant vessels operate under vacuum pressures. A Lithium Bromide solution when heated, a strong absorbent of water, absorbs the surrounding vapor continuously and keeps the low-pressure condition in the evaporator/absorber vessel. The Product is characterized by cooling capacity and the solution's heat source through a gas-fired Burner, which is either natural gas or manufactured gas-fired water chiller. Product is intended For indoor installations only.

**Standard(s):** American National Standard/Canadian Gas Association Standard for Gas-Fired Heat Activated Air-Conditioning And Heat Pump Appliance (ANSI Z21.40.1-1996, CGA2.91A-m96, First edition, revisions through and including addenda ANSI Z21.4001A-1997, CGA 2.91A-M97).

This document is the property of Intertek Testing Services NA Inc. and is not transferable. Only the Applicant may reproduce this document. The certification mark(s) may be applied only at the above noted location of the Party Authorized to Apply Mark.


Authorized by:   
William T. Starr  
Certification Manager

Date: 17 May 2004

Control Number: 3018577

This authorization superseded our previous authorization dated 29 Jan., 2004.

**Intertek Testing Services NA Inc.**  
165 Main Street, Cortland, NY 13045-2995, USA  
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6899



Сертификат безопасности ETL (пар,  
горячая вода)  
-INTERTEK ETL EMKO (U.S.A)

**Intertek ETL SEMKO**  
**AUTHORIZATION TO MARK**

This authorizes the application of the Certification Marks shown below to the Product Covered (also to the multiple listee model identified on the correlation page of the Listing Report where applicable) when made in accordance with the Description and under the conditions set forth in the Certification Agreement and Listing Report:

**Applicant:** Broad Air Conditioning  
Broad Town, Changsha, Hunan 410138, China  
**Contact:** Name: Mr. Tan Yong Qiang Phone: (86) 731-4086688

**Manufacturer:** Same As Applicant

**Party Authorized To Apply Mark:** (Same as Manufacturer)

**Report No.:** 3039384-001

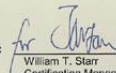
**Report Issuing Office:** Intertek, Columbus Office

**Product Covered:** Broad N Single-Stage Indirect-Fired absorption chiller-heater assemblies, Model BDXXXXX where XXX is 15, 20, 25, 30, 40, 50, 65, 75, 85, 100, 125, 150, 175, 200, 250, 300, 400, 500, 600, 800, 1000. Models may be followed by other designations associated with the heat source type (Steam Pressure, MPA, or heat source water, outlet/inlet temp. °C, followed by design code, or exhaust inlet temp. °C followed by chilled water temp. outlet/inlet followed by cooling water temp. outlet/inlet followed by a Broad design code.

**Description:** The product covered in this report is absorption chiller-heater assemblies used for chilling and heating water for industrial or commercial air handling equipment. Water is used for refrigerant medium. All refrigerant vessels operate under vacuum pressures. A Lithium Bromide solution when heated, a strong absorbent of water, absorbs the surrounding vapor continuously and keeps the low pressure condition in the evaporator/absorber vessel. The product is characterized by the solution heat source and is either hot water chiller, a steam chiller or exhaust-fired chiller. Product is intended for indoor installations only.

**Standard(s):** Standard for Safety Heating And Cooling Equipment (ANSI/UL 1995 second edition, CAN/CSA C22.2 No. 236).

This document is the property of Intertek Testing Services and is not transferable. Only the Applicant may reproduce this document. The certification mark(s) may be applied only at the above noted location of the Party Authorized to Apply Mark.


Authorized by:   
William T. Starr  
Certification Manager

Date: 2 Oct, 2003

Control Number: 3018577

This authorization superseded our previous authorization dated 11 Sept., 2003.

**Intertek Testing Services NA Inc.**  
165 Main Street, Cortland, NY 13045-2995, USA  
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6899








# Сертификаты

Европейское соответствие (CE) директиве низкого напряжения (прямое сжигание)  
-ТЮФ Райнланд (Германия)

Европейское соответствие (CE) директиве низкого напряжения (пар, горячая вода)  
-ТЮФ Райнланд (Германия)

**CERTIFICATE**  
of Conformity  
Low Voltage Directive 73/23/EEC  
as last amended by EEC Directive 93/68/EEC



Registration No.: AN 2030409 02  
Report No.: E 2066055 Z 03

Holder: **Broad Air Conditioning**  
Broad Town  
Changsha,  
Hunan 410138  
P.R. CHINA

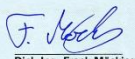
Product: **KLIMAGERÄT**  
(Direct-Fired Absorption Chiller/Heater)


Identification: Type Designation : BZxHy series  
(refer to the report E 2066055Z03 for detailed list)  
Serial No.: Pre-production

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 73/23/EEC. In its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Certification Body

Cologne, 19.09.2000


  
Dipl.-Ing. Frank Möckling



TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

**CERTIFICATE**  
of Conformity  
Low Voltage Directive 73/23/EEC  
as last amended by EEC Directive 93/68/EEC



Registration No.: AN 50016037 0001  
Report No.: 11000298 001

Holder: **Broad Air Conditioning**  
Broad Town  
Changsha, Hunan 410138  
P.R. China

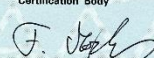
Product: **Klimagerät**  
(Indirect-Fired Absorption Chiller)


Identification: Type Designation : BS-x series BD-x series  
x stands for: 15,20,25,30,40,50,65,75,85,100,125,150,175,200  
250,300,400,500,600,800,1000  
Serial No.: Pre-production

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 73/23/EEC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Certification Body

Cologne, 31.07.2002

  
Dipl.-Ing. F. Möckling



TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE



# Сертификаты

Европейское соответствие (СЕ) директиве  
низкого напряжения (ВСТ)  
-ТЮФ Райнланд (Германия)

**CERTIFICATE**

of Conformity  
Low Voltage Directive 73/23/EEC  
as last amended by EEC Directive 93/68/EEC

Registration No.: AN 50037853 0001  
Report No.: 16000995 001


Holder: Broad Air Conditioning  
Broad Town  
Changsha, Hunan 410138  
P.R. China

Product: Klimagerät  
(House Gas Air Conditioner)

Identification: Type Designation : BCT16x-y BCT23x-y  
BCT70x-y BCT115x-y  
Variable x = C, D, E (indicates type of fuel).  
Variable y = k, d, w or blank  
Serial No. : n.a.  
Remark: Refer to test report 16000995 001 for details.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 73/23/EEC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Cologne, 05.02.2004

 Certification Body  
F. Nispel  
Dipl.-Ing. F. Nispel

TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

Европейское соответствие (СЕ) директиве низкого  
напряжения (ВЗУ)  
-ТЮФ Райнланд (Германия)

**CERTIFICATE**

of Conformity  
Low Voltage Directive 73/23/EEC  
as last amended by EEC Directive 93/68/EEC

Registration No.: AN 50037854 0001  
Report No.: 16002338 001


Holder: Broad Air Conditioning  
Broad Town  
Changsha, Hunan 410138  
P.R. China

Product: Klimagerät  
(Direct-fired absorption chiller/heater)

Identification: Type Designation : BZV213NK-y-z BZV582NK-y-z  
Variable x = C, D, E (indicates type of fuel).  
Variable y = k, d, w or blank  
Variable z = H or blank  
Serial No. : n.a.  
Remark: Refer to test report 16002338 001 for details.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 73/23/EEC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Cologne, 05.02.2004

 Certification Body  
F. Nispel  
Dipl.-Ing. F. Nispel

TÜV Rheinland Product Safety GmbH - Am Grauen Stein - D-51105 Köln

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE





# Сертификаты

Европейское соответствие (CE) EMC (прямое сжигание)  
-ТЮФ Райнланд (Германия)

Competent Body  
**TÜV Rheinland**  
Product Safety GmbH

Am Grauen Stein  
D-51105 Köln

accredited by the  
Regulierungsbehörde für Telekommunikation und Post  
herewith grants a

**Certificate of a Competent Body**  
within the meaning of Paragr. 4 (2) EMC Act respectively Art. 10 (2) of the  
EMC Council Directive on compliance with the EMC protection requirements

**Certificate holder:**  
Broad Air Conditioning  
Broad Town  
Changsha,  
Hunan 410138  
P.R. CHINA

**Product:** KLIMAGERÄT  
(Direct-Fired Absorption Chiller/Heater)

**Identification:** BZxNy series  
as described in the Technical Construction File  
P 2030180 as of September 15, 2000

This certificate was issued in accordance with Article 10 (2) of the Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility, implemented in Germany by the "Electromagnetic Compatibility Act of September 18th, 1998 (EMVG, Paragr. 4(2))". This certificate does not testify to compliance with the EMC protection requirements of other laws implementing Directives of the European Community other than Council Directive 89/336/EEC. This certificate relates to the sample submitted for testing or to the technical report.

Registration No.: AV 2030241 02  
Reference No.: P 2030180 Z 04 of: 15.09.2000  
Cologne, 20.09.2000

Competent Body  
**TÜV Rheinland**  
Product Safety GmbH  
Dipl.-Ing. Ralf Meiranke

10001700

Европейское соответствие (CE) EMC  
(пар, горячая вода)  
-ТЮФ Райнланд (Германия)

Competent Body  
**TÜV Rheinland**  
Product Safety GmbH

Am Grauen Stein  
D-51105 Köln

accredited by the  
Regulierungsbehörde für Telekommunikation und Post  
herewith grants a

**Certificate of a Competent Body**  
within the meaning of Paragr. 4(2) EMC Act Respectively Art. 10 (2) of the  
EMC Council Directive on compliance with the EMC protection requirements

**Certificate holder:**  
Broad Air Conditioning Co., Ltd.  
Broad Town  
CHANGSHA, HUNAN 410138  
P.R. CHINA

**Product:** Klimagerät  
(Indirect-Fired Absorption Chiller/Heater)

**Identification:** BSxNy1 series  
BDxNy2 series  
as described in the Technical Construction File  
P 2030180 as of March 15, 2002

This certificate was issued in accordance with Article 10 (2) of the Council Directive 89/336/EEC in its latest amended version on the approximation of the laws of the Member States relating to electromagnetic compatibility, implemented in Germany by the "Electromagnetic Compatibility Act of September 18th, 1998 (EMVG, Paragr. 4(2))". This certificate does not testify to compliance with the EMC protection requirements of other laws implementing Directives of the European Community other than Council Directive 89/336/EEC. This certificate relates to the sample submitted for testing or to the technical report.

Registration No.: AV 50011595 0001  
Reference No.: 02030180 006 of: 19.03.2002  
Cologne, 28.03.2002

Competent Body  
**TÜV Rheinland**  
Product Safety GmbH  
Dipl.-Phys. J. Idm

10001700



# Сертификаты

Европейское соответствие (ВСТ)  
EMC (прямое сжигание)  
-ТЮФ Райнланд (Германия)

Competent Body  
**TÜV Rheinland**  
Product Safety GmbH

Am Grauen Stein  
D-51105 Köln

accredited by the  
Regulierungsbehörde für Telekommunikation und Post  
herewith grants a

**Certificate of a Competent Body**  
within the meaning of Paragr. 4 (2) EMC Act respectively Art. 10 (2) of the  
EMC Council Directive on compliance with the EMC protection requirements

**Certificate Holder:**  
Broad Air Conditioning Co., Ltd.  
Broad Town  
Changsha, Hunan 410138  
P.R. China


**Product:** Klimagerät  
Outdoor Unit for Air Conditioner

**Identification:** Broad House Gas Air Conditioner  
outdoor mounted subassemblies of:  
BCT16 series, BCT23 series,  
BCT70 series, BCT115 series  
as described in the Technical Construction File  
16001011, as of December 23, 2003

This certificate was issued in accordance with Article 10 (2) of the Council Directive 89/336/EEC in its latest amended version on the approximation of the laws of the Member States relating to electromagnetic compatibility, implemented in Germany by the "Electromagnetic Compatibility Act of September 18th, 1998 (EMVG, Paragr. 4(2))". This certificate does not testify to compliance with the EMC protection requirements of other laws implementing Directives of the European Community other than Council Directive 89/336/EEC. This certificate relates to the sample submitted for testing or to the technical report.

Registration No.: AV 50039073 0001  
Reference No.: 16001011 002 of:27.02.2004  
Cologne, 27.02.2004

Competent Body  
Dipl.-Phys. J. Iden



Европейское соответствие (ВЗУ)  
EMC (прямое сжигание)  
-ТЮФ Райнланд (Германия)

Competent Body  
**TÜV Rheinland**  
Product Safety GmbH

Am Grauen Stein  
D-51105 Köln

accredited by the  
Regulierungsbehörde für Telekommunikation und Post  
herewith grants a

**Certificate of a Competent Body**  
within the meaning of Paragr. 4 (2) EMC Act respectively Art. 10 (2) of the  
EMC Council Directive on compliance with the EMC protection requirements

**Certificate Holder:**  
Broad Air Conditioning Co., Ltd.  
Broad Town  
Changsha, Hunan 410138  
P.R. China


**Product:** Klimagerät  
Outdoor Unit for Chiller/Heater

**Identification:** Broad Outdoor Package  
Direct-Fired Absorption Chiller/Heater  
outdoor mounted subassemblies of:  
BZY233 series, BZY582 series  
as described in the Technical Construction File  
16002354, as of December 23, 2003

This certificate was issued in accordance with Article 10 (2) of the Council Directive 89/336/EEC in its latest amended version on the approximation of the laws of the Member States relating to electromagnetic compatibility, implemented in Germany by the "Electromagnetic Compatibility Act of September 18th, 1998 (EMVG, Paragr. 4(2))". This certificate does not testify to compliance with the EMC protection requirements of other laws implementing Directives of the European Community other than Council Directive 89/336/EEC. This certificate relates to the sample submitted for testing or to the technical report.

Registration No.: AV 50039077 0001  
Reference No.: 16002354 002 of:27.02.2004  
Cologne, 27.02.2004

Competent Body  
Dipl.-Phys. J. Iden





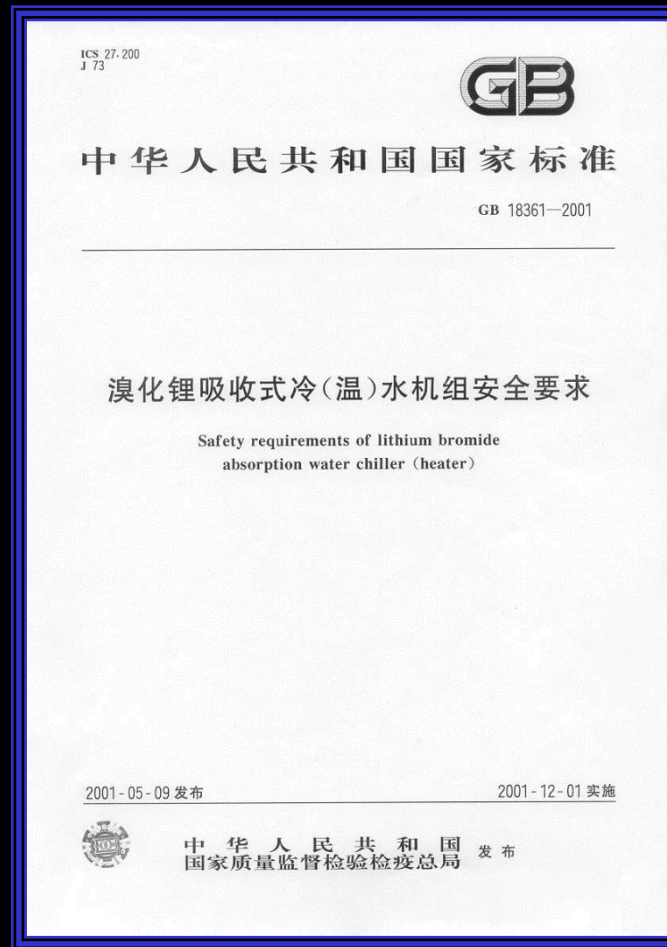


# Китайский Национальный Стандарт

## Первый национальный Китайский стандарт безопасности абсорбционных охладителей/нагревателей

Редакция:

Broad Кондиционирование,  
Китайская Ассоциация Стандартизации,  
Хэфэйский машиностроительный научно-  
исследовательский институт.





# Китайский Национальный Стандарт

## Первый национальный Китайский DFA стандарт

Организация:  
Broad Кондиционирование,  
Китайская Ассоциация Стандартизации,  
Хэфэйский машиностроительный  
научно-исследовательский институт.

