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

GB/T 14536.19-2017

Replacing GB/T 14536.19-2006

**Automatic electrical controls for household and similar use --
Particular requirements for electrically operated gas valves,
including mechanical requirements**

家用和类似用途电自动控制器电动燃气阀的特殊要求,包括机械要求

(English Translation)

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Foreword

GB/T 14536 "Household and similar electrical automatic controller" is divided into the following two parts.

--- The first part. General requirements (GB/T 14536.1);

--- The second part, special requirements, including.

--- Particular requirements for thermal motor protectors (GB/T 14536.3);

Particular requirements for thermal protectors for tube fluorescent lamp ballasts (GB/T 14536.4);

Particular requirements for motor thermal protectors for hermetic and semi - hermetic motor compressors (GB/T 14536.5);

--- Burner electric automatic control system of the special requirements (GB/T 14536.6);

Particular requirements for pressure sensitive electrical automatic controllers (GB/T 14536.7);

--- Timer and timer switch special requirements (GB/T 14536.8);

--- Electric valve special requirements, including mechanical requirements (GB/T 14536.9);

--- Particular requirements for temperature-sensitive controller (GB/T 14536.10);

--- Particular requirements for motor starting relays (GB/T 14536.11);

--- Particular requirements for energy regulators (GB/T 14536.12);

--- Special requirements for electric door locks (GB/T 14536.13);

--- Humidity sensitive controller of the special requirements (GB/T 14536.15);

--- Particular requirements for electric starter (GB/T 14536.16);

--- Float-type or electrode-sensitive water level-sensitive automatic controllers used in boiler appliances (GB/T 14536.17);

--- Particular requirements for household and similar applications float type water level controller (GB/T 14536.18);

--- Electric gas valve special requirements, including mechanical requirements (GB/T 14536.19);

Particular requirements for flow and air flow sensitive controls, including mechanical requirements (GB/T 14536.20);

--- Electric oil valve special requirements, including mechanical requirements (GB/T 14536.21).

This section GB/T 14536.19.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 14536.19-2006 "Household and similar electrical automatic controllers electric gas valve special requirements, including Mechanical requirements. " this section compared with GB/T 14536.19-2006, the main technical changes are as follows.

--- Increased range "At the same time, but also can be extended for no special standards, industrial products, such as for central heating, air conditioning, technology plus Heat and so on. (See 1.1.1) ";

--- Normative references deleted GB 4706.1-1998, GB 4208-1993, GB 15092.1-2003, "GB 14536.16-

2000 Household and similar electrical automatic controller electric starter special requirements (idt IEC 60730-2-14:1995) "to Automatic electrical controls for household and similar use - Particular requirements for electric starters (IEC 60730-2-14.

2008, IDT) "and" ISO 228-1:1994 "to" ISO 228-1:2000 "(see 1.5);

--- Definition adds "2.3.103.1 latch semi-automatic normally open valve" "2.3.103.2 automatic normally open valve" two definitions (see Chapter 2);

--- According to use classification add "6.3.12.103.1 automatic normally open valve, 6.3.12.103.2 semi-automatic with latch open valve" (see 6.3);

--- Classification increased by "6.104 classification by sealing force" (see Chapter 6);

--- Table 7.2 adds 118 "Levels A, B, C, D, E or J of valves in CEN member states" (see Chapter 7);

--- 11.103 Detection method to increase "with or without gas to the maximum working pressure connected to the valve inlet, whichever is more unfavorable Condition "and add a comment" The 15% value is based on the remanence, friction and possibly generated by the control and signaling circuits in the normally closed valve the residual current can affect the closing force to determine. ";

--- Chapter 11 increased by 11.116;

--- 14.4.101 Amend to read as follows. "If the electric drive shaft is blocked during normal operation, it should be stable under blocking condition After setting the temperature measurement, the measured temperature should meet the requirements of Table 14.1. In addition, if locked in the state, the electricity Actuator protection device no action, then that the electric starter is in line with the requirements of 27.2.101 ";

--- 14.4.102 Amend to read as follows. "If the electric drive shaft does not stall during normal operation, the limits in Table 14.1 do not apply to stalling Happening. Electric starter

shall comply with the requirements of 27.2.101 ";

--- "Creepage distances, Clearances and through the" chapter entitled "Creepage distance, Clearance and clearance through solid insulation" (See Chapter 20);

--- "Radio interference suppression" chapter entitled "Electromagnetic compatibility (EMC) requirements --- Launch" (see Chapter 23);

--- Chapter 26 changed to "Electromagnetic Compatibility (EMC) requirements --- Immunity This chapter GB/T 14536.1 applies.";

--- Non-normal operation to increase "27.2 burning test" "27.3 over-voltage and under-voltage test" (see Chapter 27);

--- "Electronic Disconnection Guide" chapter read "GB/T 14536.1 of this chapter apply." (See Chapter 28);

--- Change the name of "Operation under Power Interference, Magnetic Interference and Electromagnetic Interference" to "Electromagnetic Compatibility (EMC) Requirements --- Immunity" (See H.26);

--- "Electrostatic discharge test" has been modified (see H.26.11);

--- "Electromagnetic Field Immunity" has been modified (see H.26.12);

--- In many provisions of the "in Europe" changed to "in the CENELEC member states." this section uses the translation method is equivalent to using IEC 60730-2-17:2007 (Ed1.2) "Household and similar electrical automatic controller 2-Part 17 - Particular requirements for electric gas valves, including mechanical requirements ".

The documents of our country that are consistent with the corresponding international documents that are normative references in this section are as follows.

--- GB/T 7306.1-2000 55 ° sealing pipe thread Part 1. Cylindrical and tapered male thread (eqvISO 7-1.

1994);

--- GB/T 7306.2-2000 55 ° sealing pipe thread Part 2. Cone and conical male thread (eqvISO 7-1.

1994);

--- GB/T 7307-2001 55 ° non-sealed pipe thread (eqvISO 228-1.1994);

--- GB/T 17241.1-1998 cast iron pipe flange type (eqvISO 7005.2.1988);

--- GB/T 17241.2-1998 cast iron pipe flange cover (eqvISO 7005.2.1988);

--- GB/T 17241.3-1998 with a threaded male pipe flange (eqvISO 7005.2.1988);