THE CABINET OF MINISTERS OF UKRAINE

RESOLUTION

No.856

of 24 September 2008

Kyiv

On Approval of Technical Regulations on Appliances
Burning Gaseous Fuels

In accordance with Article 14 of Law of Ukraine "On standards, technical regulations and conformity assessment procedures" the Cabinet of Ministers of Ukraine resolves to:

1. Approve the Technical regulations on appliances burning gaseous fuels, which are attached.

2. Designate the Ministry of Industrial Policy as agency responsible for implementation of the Technical regulations approved by this resolution.

3. This resolution shall take effect as of 1 January 2009.

Prime Minister of Ukraine

Y.TIMOSHENKO

Ind. 21

APPROVED
by Resolution of the Cabinet of Ministers of Ukraine
of 24 September 2008 # 856
TECHNICAL REGULATIONS
on appliances burning gaseous fuels

General part

1. These Technical regulations set forth requirements to appliances burning gaseous fuels (hereinafter - the appliances), their safety, to the procedure for assessment of conformity to such requirements, and set forth requirements relating to labeling and introduction of the appliances into circulation.

2. In these Technical regulations the terms shall be used in the following meaning:

- gaseous fuel - any fuel that under the temperature of 15° C and under pressure of 1 bar is in the gaseous state;

- introduction into circulation – initial placement of the appliance on domestic market (or its delivery for designated use) regardless of the appliance being new or fully repaired;

- use – intended use/operation of the appliance under conditions specified by the producer.

Other terms are used as defined in Laws of Ukraine "On standardization", "On verification of conformity", "On accreditation of conformity assessment authorities", "On standards, technical regulations and conformity assessment procedures".

3. These Technical regulations shall apply to:

- the appliances that are used for cooking, lighting, cooling, washing, heating and obtaining hot water (temperature of the media or hot water should not exceed 105° C);

- burners with forced draft and warming or heating equipment that is equipped with such burners;

- safety devices, controlling or regulating devices and units (in particular, energy dependent), intended for use in appliances or during their assembly (hereinafter – appliance component parts) that are sold through a retail network (except for burners with forced draft and warming or heating equipment provided with such burners).

4. These Technical regulations shall not apply to appliances that are intended for use in industrial processes and are not specified in section 3.

General requirements to appliances

5. In the course of designing the appliances it is necessary to ensure their reliability and safety for people, domestic animals and property.

6. In the course of preparation of an appliance for introduction into circulation it will be necessary to:

- affix to it a table containing technical data;

- put the warning text/instructions directly on the appliance and its packaging.
The appliance shall be accompanied by the instructions relating to its assembly, instructions concerning operating and technical maintenance.

7. Instructions concerning assembly must contain information relating to mounting, regulation and servicing of the appliance, specifying:

- type of the used gaseous fuels;
- pressure under which gaseous fuels must be supplied;
- volume of the air to be supplied in the burning chamber and prevention of incomplete burning gaseous mixtures in the appliance not equipped with the device specified in section 21 of these Technical regulations;
- requirements concerning discharge/removal of products of burning.

In case of an appliance equipped with the burner with the forced draft or a warming or heating equipment with such a burner, the instructions must be accompanied by its characteristics, assembly requirements and, if required, the list of the recommended by the producer options for connecting certain appliances to other appliances.

8. Operating instructions and instructions concerning technical maintenance must contain information required for safe operation of the appliance, in particular, concerning limitations relating to its operation.

9. The technical data plate must contain:

- trade mark or name/title of the producer;
- conventional mark of the appliance;
- type of gaseous fuels;
- nominal pressure of gaseous fuels;
- nominal heating capacity of the appliance;
- serial number under the producer’s numbering system;
- production month and year;
- the national mark of conformity, identification number of the designated conformity assessment authority.

If an appliance includes energy-dependent devices or units, the plate must contain additional information concerning nominal voltage and power consumed by such appliances or units, electric current type symbol and degree of protection of the appliance.

10. The warning signs/messages put directly on the appliance and its packaging must include all restrictions relating to the operation of the appliance and, depending on the intended use and/or design of the appliance, may include information required for assembling the appliance.
Requirements to materials used for production of appliances

11. Materials that are used for production of appliances or component parts thereof are required to conform to the intended designated use and to be capable of withstanding mechanical, chemical and heating impacts involved in the intended operation of the appliances. Materials which may be in contact with food products and drinking water should not worsen the quality of such products and water.

The said properties must be guaranteed by the producer or supplier of appliances and must be ensured during the entire usable period of the appliances.

Requirements to the design of appliances

12. In the course of designing an appliance it will be necessary to:

make sure that under normal operating conditions there can be no unstable operation or breakdown, inadequate operation of safety devices, penetration of water or excessive amount of air into the chamber for burning of gaseous fuels;

minimize the risk of explosion due to fire from outside sources;

to ensure safe operation of the appliance equipped with energy-dependent devices or units in the event of outage or voltage fluctuations;

take measures to prevent break-down of safety, controlling or regulating device which can cause danger for people, domestic animals and property;

to ensure a safe level and limited consumption of gaseous fuels during the first ignition, second ignition of the burner and after the shut-down of burning to prevent dangerous accumulation of un-burnt gaseous fuels in the device, and to make sure that the condensate formed at the time of the first ignition and/or during the operation would not affect safe operation of the appliance;

to ensure cross-ignition of the appliance’s burner, smooth first ignition or repeat ignition of the burner of the appliance and guaranteed steadiness of the flame;

to prevent inadmissible concentration of harmful for the health of people and domestic animals substances in the burning products, as well as accidental accumulation of products of burning;

to ensure rational use of the energy released due to the burning of gaseous fuels.

13. In the process of the designing of appliances equipped with gas ducts it will be necessary to prevent, on condition of weak draft, a leak in the residential space of products of burning in hazardous concentration.

14. Autonomous household heating appliances and running water heaters not equipped with air ducts should not allow accumulation in the residential space of products of burning in hazardous concentrations.
Requirements to the design of component parts of appliances

15. In the course of designing the component parts of the appliance it is necessary to ensure their conformity to applicable technical requirements as provided for in the instructions concerning assembly, regulation, operation and servicing of component parts.

16. All component parts of the appliance shall be required to withstand mechanical and thermo impacts in the process of operation without deformation thereof.

17. If the design of the appliance includes safety and controlling devices, operation of the safety device may not be blocked by the controlling device.

18. Component parts of the appliance that are installed or regulated at the stage of production, and which will not be accessible for the assembly operator or the user, are required to have proper protection.

Levers and handles used to set the operation regime for the appliance must be market. The marking information must include clear instructions regarding unacceptability of an error during the setting of the regime of the operation of the appliance, and the design of the appliance should ensure that errors of the user are impossible.

19. Component parts of the appliance that are located in close proximity to the floor or other surfaces may not get heated to the temperature hazardous for the environment.

Temperature of the surface of levers and handles that set the regime of operation of the appliance, of the surface of outside component parts of the appliance (except for surfaces intended for convection of heat) under regular operating conditions must be safe for the user.

Requirements relating to emission or leakage of un-burnt gaseous fuels

20. Appliances which are intended for operation in closed spaces must be equipped with a sensor detecting dangerous accumulation of un-burnt gaseous fuels.

Operation of appliances not equipped with such a device is allowed only in places where there is sufficient ventilation preventing dangerous accumulation of un-burnt gaseous fuels.

Sensors of dangerous accumulation of un-burnt gaseous fuels must be installed in all large-scale kitchen appliances and in appliances burning gaseous fuels involving toxic components.

A conformity assessment procedure

21. Assessment of conformity of appliances to requirements of these Technical regulations shall be carried out by the producer, or his authorized representative, or supplier responsible for introduction of the appliance into circulation, using conformity assessment procedures in accordance with the Technical regulations modules for assessment of conformity and requirements relating to application of the national mark of conformity, which are used in technical regulations, approved by Resolution of the Cabinet of Ministers of Ukraine of 7 October 2003 # 1585 (Official gazette of Ukraine, 2003, # 41, p. 2175).

For purposes of assessment of conformity of mass production appliances there will be used at the choice of the producer module B (type examination) in combination with module C (type
conformity) or module D (assurance of production process quality), or module E (assurance of product quality), or module F (product examination).

Assessment of conformity of small-scale or individual production appliances shall be carried out in accordance with module G (individual product unit examination).

22. Component parts of the appliance shall be subject to the procedure of assessment of conformity carried out in accordance with second paragraph of section 21 of these Technical regulations, without affixing the national mark of conformity, and in particular cases without preparation of the declaration of conformity.

Certificate of conformity of component parts of the appliance must state conformity thereof to the requirements of these Technical regulations, specified characteristics and assembly procedure for such parts.

Certificate of conformity of component parts of the appliance shall be attached to the certificate of conformity of the appliance that is being introduced into circulation.

23. In the event where the appliances are subject to other technical regulations, their conformity to principal requirements of such technical regulations shall be subject to verification in accordance with the procedure of assessment of conformity (second and third paragraphs of section 21) of these Technical regulations and applicable procedure of other technical regulations.

24. After completing the conformity assessment procedures the producer, or his authorized representative, or supplier responsible for introduction of the appliance into circulation, shall prepare a declaration of conformity using the form presented in the annex and shall affix to the appliances the national mark of conformity in accordance with the requirements specified in section 27 of these Technical regulations.

25. Producer, or its authorized representative, or supplier responsible for introduction of the appliance into circulation, shall:

keep copies of the certificate of conformity and copies of the declaration of conformity together with the technical documentation during 10 years following the production of the last appliance and provide them for examination in cases specified by legislation;

bear responsibility in accordance with legislation for performing conformity assessment procedures in conformity with these Technical regulations.

26. Technical documentation on the appliance must contain descriptions of all stages of designing, manufacture and operation, and enable assessment of its conformity to requirements of these Technical regulations and include:

general description of the appliance;

description of the design, drawings and charts;

descriptions and clarifications concerning drawings and charts that concern operation of the appliance;
the list of national standards, which in case of implementation serve as proof conformity of the appliance to requirements of these Technical regulations;

information concerning draft estimates and the tests;

report on the tests of the appliance;

assembly, operation and technical servicing instructions.

If necessary, technical documentation may be complemented by certificates of conformity of component parts of the appliance, certificates for manufacture and/or control of production of the appliance.

**Labeling of the appliances**

27. To the appliance, conformity of which is verified as required, the producer or his authorized representative shall affix the national mark of conformity which shall be placed on the technical data plate next to the identification number of the designated conformity assessment authority specifying the last two digits of the year in which the conformity was verified.

It shall not be allowed to affix to an appliance a mark which may be mistaken for the national mark of conformity.

28. In the event where it is established that the national mark of conformity is applied in violation of the requirements of the legislation, the producer, or his authorized representative, or supplier responsible for introduction of the appliance into circulation, shall be required to take measures to terminate the violation, bring the appliance into conformity with requirements specified in these Technical regulations, and verify this conformity in accordance with the established procedure.
DECLARATION
of conformity

(full name of the producer of the appliance, or his authorized representative, or supplier, location and codes under EDRPOU - if available)
represented
by
(job title, surname, first and second name of the producer, authorized representative, supplier)
confirm that
(full name of the appliance burning gaseous fuels, or its component parts, type, make, model)
which is produced on the basis of
(name/title and denomination of technical documentation)
conforms to the Technical regulations in compliance with
(name of regulatory documents)
Technical documentation on the appliance that is burning gaseous fuels (component parts of the appliance), designed in accordance with requirements of these Technical regulations.
Certificate of conformity of the appliance (component parts of the appliance) - if available: #
(date of registration) (period of effectiveness)
(name and location of the designated conformity assessment authority)
Protocol of the tests of the appliance (component parts of the appliance), carried out (if required)
(number of the protocol, date of the execution of the protocol, name/title and location of the designated conformity assessment authority)
This declaration is prepared under the full responsibility of

Annex
to the Technical regulations