TITLE AND SCOPE FOR ISO STANDARDS

1. **MEDC 09 (1356) DTZS/ ISO 11439:2013 - Gas cylinders — High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles**

   Title: Gas cylinders — High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles.

   Scope: This standard specifies minimum requirements for light-weight refillable gas cylinders intended only for the on-board storage of high pressure compressed natural gas as a fuel for automotive vehicles to which the cylinders are to be fixed. The service conditions do not cover external loadings that can arise from vehicle collisions, etc.

2. **MEDC 09 (1357) DTZS/ ISO 15500-1:2015 - Road vehicles - Compressed natural gas (CNG) fuel system components — Part 1: General requirements and definitions (Rev. TZS 1187-1:2000)**

   Title: Road vehicles - Compressed natural gas (CNG) fuel system components — Part 1: General requirements and definitions.

   Scope: This standard specifies general requirements and definitions of compressed natural gas fuel system components, intended for use on the types of motor vehicles as defined in ISO 3833. It also provides general design principles, and specifies requirements for instructions and marking..

3. **MEDC 09 (1358) DTZS/ ISO 15500-2:2016 Road vehicles - Compressed natural gas (CNG) fuel system components - Part 2: Performance and general test methods (Rev. TZS 1187-2:2000)**

   Title: Road vehicles - Compressed natural gas (CNG) fuel system components -Part 2: Performance and general test methods.

   Scope: This standard specifies performance and general test methods for compressed natural gas (CNG) fuel system components intended for use on the types of motor vehicles defined in ISO 3833.

4. **MEDC 09 (1359) DTZS/ ISO 15500-3:2020 Road vehicles - Compressed natural gas (CNG) fuel system components - Part 3: Check valve (Rev. TZS 1187-3:2000)**

   Title: Road vehicles - Compressed natural gas (CNG) fuel system components - Part 3: Check valve.

   Scope: This standard specifies tests and requirements for the check valve, a compressed natural gas (CNG) fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

5. **MEDC 09 (1360) DTZS/ ISO 15500-4:2020 Road vehicles - Compressed natural gas (CNG) fuel system components - Part 4: Manual valve (Rev. TZS 1187-4:2000)**

   Title: Road vehicles - Compressed natural gas (CNG) fuel system components - Part 4: Manual valve.

   Scope: This standard specifies tests and requirements for the manual valve, a compressed natural gas (CNG) fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

6. **MEDC 09 (1361) DTZS/ ISO 15500-5:2020 Road vehicles - Compressed natural gas (CNG) fuel system components - Part 5: Manual cylinder valve(Rev. TZS 1187-5:2000)**

Title: Road vehicles - Compressed natural gas (CNG) fuel system components - Part 5: Manual cylinder valve.

Scope: This standard specifies tests and requirements for the manual cylinder valve, a compressed natural gas (CNG) fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

7. **MEDC 09 (1362) DTZS/ ISO 15500-6:2020 Road vehicles - Compressed natural gas (CNG) fuel system components - Part 6: Automatic valve (Rev. TZS 1187-6:2000)**

   Title: Road vehicles - Compressed natural gas (CNG) fuel system components - Part 6: Automatic valve.

   Scope: This standard specifies tests and requirements for the automatic valve, a compressed natural gas (CNG) fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

8. **MEDC 09 (1363) DTZS/ ISO 15500-7:2015 Road vehicles -Compressed natural gas (CNG) fuel system components - Part 7:Gas injector (Rev. TZS 1187-7:2000)**

   Title: Road vehicles -Compressed natural gas (CNG) fuel system components -Part 7: Gas injector.

   Scope: This standard specifies tests and requirements for the gas injector and/or fuel rail, a compressed natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

9. **MEDC 09 (1364) DTZS/ ISO 15500-8:2015 Road vehicles - Compressed natural gas (CNG) fuel system components - Part 8: Pressure indicator (Rev. TZS 1187-8:2000)**

   Title: Road vehicles - Compressed natural gas (CNG) fuel system components - Part 8: Pressure indicator.

   Scope: This standard specifies tests and requirements for the pressure indicator, a compressed natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

10. **MEDC 09 (1365) DTZS/ ISO 15500-9:2020 Road vehicles - Compressed natural gas (CNG) fuel system components - Part 9: Pressure regulator (Rev. TZS 1187-9:2000)**

    Title: Road vehicles - Compressed natural gas (CNG) fuel system components - Part 9: Pressure regulator.

    Scope: This standard specifies tests and requirements for the pressure regulator, a compressed natural gas (CNG) fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

11. **MEDC 09 (1366) DTZS/ ISO 15500-10:2015 - Road vehicles - Compressed natural gas (CNG) fuel system components - Part 10: Gas-flow adjuster (Rev. TZS 1187-10:2000)**

    Title: Road vehicles - Compressed natural gas (CNG) fuel system components - Part 10: Gas-flow adjuster.

Scope: This standard specifies tests and requirements for the gas-flow adjuster, a compressed natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

12. **MEDC 09 (1367) DTZS/ ISO 15500-11:2015 Road vehicles -Compressed natural gas (CNG) fuel system components - Part 11: Gas/air mixer (Rev. TZS 1187-11:2000)**

    Title: Road vehicles -Compressed natural gas (CNG) fuel system components - Part 11: Gas/air mixer.

    Scope: This standard specifies tests and requirements for the gas/air mixer, a compressed natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

13. **MEDC 09 (1368) DTZS/ ISO 15500-12:2015 Road vehicles - Compressed natural gas (CNG) fuel system components - Part 12: Pressure relief valve (PRV) (Rev. TZS 1187-12:2000)**

    Title: Road vehicles - Compressed natural gas (CNG) fuel system components - Part 12: Pressure relief valve (PRV).

    Scope: This standard specifies tests and requirements for the pressure relief valve (PRV), a compressed natural gas fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

14. **MEDC 09 (1369) DTZS/ ISO 15500-13:2012 Road vehicles - Compressed natural gas (CNG) fuel system components - Part 13: Pressure relief device (PRD) (Rev. TZS 1187-13:2000)**

    Title: Road vehicles - Compressed natural gas (CNG) fuel system components - Part 13: Pressure relief device (PRD).

    Scope: This standard specifies tests and requirements for the pressure relief device (PRD), a compressed natural gas (CNG) fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

15. **MEDC 09 (1370) DTZS/ ISO 15500-14:2020 Road vehicles - Compressed natural gas (CNG) fuel system components - Part 14: Excess flow valve (Rev. TZS 1187-14:2000)**

    Title: Road vehicles - Compressed natural gas (CNG) fuel system components - Part 14: Excess flow valve.

    Scope: This standard specifies tests and requirements for the excess flow valve, a compressed natural gas (CNG) fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

16. **MEDC 09 (1371) DTZS/ ISO 15500-15:2015 Road vehicles -Compressed natural gas (CNG) fuel system components - Part 15: Gas-tight housing and ventilation hose (Rev. TZS 1187-15:2000)**

    Title: Road vehicles -Compressed natural gas (CNG) fuel system components - Part 15: Gas-tight housing and ventilation hose.

    Scope: This standard specifies tests and requirements for the gas-tight housing and ventilation hose, compressed natural gas fuel system components intended for use on the types of motor vehicles defined in ISO 3833.

17. **MEDC 09 (1372) DTZS/ ISO 15500-16:2020 Road vehicles -Compressed natural gas (CNG) fuel system components - Part 16: Rigid fuel line in stainless steel (Rev. TZS 1187-16:2000)**

    Title: Road vehicles -Compressed natural gas (CNG) fuel system components - Part 16: Rigid fuel line in stainless steel.

    Scope: This standard specifies tests and requirements for the rigid fuel line in stainless steel, a compressed natural gas (CNG) fuel system component in accordance with ISO 1127 intended for use on the types of motor vehicles defined in ISO 3833.

18. **MEDC 09 (1373) DTZS/ ISO 15500-17:2021 Road vehicles -Compressed natural gas (CNG) fuel system components - Part 17: Flexible fuel line (Rev. TZS 1187-17:2000)**

    Title: Road vehicles -Compressed natural gas (CNG) fuel system components - Part 17: Flexible fuel line.

    Scope: This standard specifies tests and requirements for the flexible fuel line, a compressed natural gas (CNG) fuel system component in accordance with SAE J517 (100R8 hose) or JIS B 8362 intended for use on the types of motor vehicles defined in ISO 3833.

19. **MEDC 09 (1374) DTZS/ ISO 15500-18:2020 Road vehicles - Compressed natural gas (CNG) fuel system components - Part 18: Filter (Rev. TZS 1187-18:2000)**

    Title: Road vehicles - Compressed natural gas (CNG) fuel system components - Part 18: Filter.

    Scope: This standard specifies tests and requirements for the filter, a compressed natural gas (CNG) fuel system component intended for use on the types of motor vehicles defined in ISO 3833.

20. **MEDC 09 (1375) DTZS/ ISO 15500-19:2020 Road vehicles - Compressed natural gas (CNG) fuel system components - Part 19: Fittings (Rev. TZS 1187-19:2000)**

    Title: Road vehicles - Compressed natural gas (CNG) fuel system components - Part 19: Fittings.

    Scope: This standard specifies tests and requirements for fittings, compressed natural gas (CNG) fuel system components intended for use on the types of motor vehicles defined in ISO 3833.

21. **MEDC 04 (1128) DTZS/ ISO 21138-1:2020 Plastics piping systems for non-pressure underground drainage and sewerage — Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) — Part 1: Material specification and performance criteria for pipes, fittings and systems.**

    Title: Plastics piping systems for non-pressure underground drainage and sewerage — Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) — Part 1: Material specification and performance criteria for pipes, fittings and systems.

    Scope: This standard specifies the definitions and requirements for pipes, fittings and systems based on unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and

polyethylene (PE) structured-wall piping systems intended to be used in non-pressure underground drainage and sewerage applications.

22. **MEDC 04 (1129) DTZS/ ISO 21138-2:2020 Plastics piping systems for non-pressure underground drainage and sewerage — Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) — Part 2: Pipes and fittings with smooth external surface, Type A**

    Title: Plastics piping systems for non-pressure underground drainage and sewerage — Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) — Part 2: Pipes and fittings with smooth external surface, Type A.

    Scope: This standard specifies the definitions and requirements for pipes with smooth external and internal surfaces (Type A), fittings and systems based on unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) structured-wall piping systems intended to be used in non-pressure underground drainage and sewerage applications.

23. **MEDC 04 (1130) DTZS/ ISO 21138-3:2020 Plastics piping systems for non-pressure underground drainage and sewerage — Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) — Part 3: Pipes and fittings with non-smooth external surface, Type B**

    Title: Plastics piping systems for non-pressure underground drainage and sewerage — Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) — Part 3: Pipes and fittings with non-smooth external surface, Type B.

    Scope: This standard specifies the definitions and requirements for pipes with a non-smooth external surface and a smooth internal surface (Type B), fittings and systems based on unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) structured-wall piping systems intended to be used in non-pressure underground drainage and sewerage applications.

24. **MEDC 04 (1131) DTZS/ ISO 161-1:2018 - Thermoplastics pipes for the conveyance of fluids - Nominal outside diameters and nominal pressures - Part 1: Metric series (Rev: TZS 0372-1:2006)**

    Title: Thermoplastics pipes for the conveyance of fluids - Nominal outside diameters and nominal pressures - Part 1: Metric series.

    Scope: This standard specifies the nominal outside diameters for metric thermoplastics pipes for the conveyance of fluids in pressure and non-pressure applications. It also specifies nominal pressure ratings and minimum required strengths for pressure applications.

    It is applicable to smooth thermoplastics pipes of constant circular cross-section along the whole length of the pipe, whatever their method of manufacture or material of construction.

    It is not applicable to pipes designated according to the nominal inside diameter DN/ID.

This document is a basis for standards writers for the selection of nominal diameters and nominal pressures in the drafting of product standards.

25. **MEDC 04 (1134) DTZS/ ISO 21307:2017 Plastics pipes and fittings - Butt fusion jointing procedures for polyethylene (PE) piping systems.**

    Title: Plastics pipes and fittings - Butt fusion jointing procedures for polyethylene (PE) piping systems.

    Scope: This document establishes general principles regarding the procedure used in the construction and quality assessment of butt fusion jointing of polyethylene (PE) piping system components specified in accordance with relevant ISO standards. These components are installed in accordance with the relevant codes of practice, national regulations or industry guidance. Specifically, this document specifies three butt fusion jointing procedures for PE pipes and fittings. These are:

    — single low-pressure fusion jointing procedure;

    — dual low-pressure fusion jointing procedure;

    — single high-pressure fusion jointing procedure.

    This document takes into consideration the materials and components used, the fusion jointing procedure and equipment and the quality assessment of the completed joint. It can be applied in conjunction with appropriate national regulations and standards.

26. **MEDC 04 (1135) DTZS/ ISO 16486-1:2020 - Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 1: General.**

    Title: Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 1: General.

    Scope: This standard specifies the general properties of unplasticized polyamide (PA-U) compounds for the manufacture of pipes, fittings and valves made from these compounds, intended to be buried and used for the supply of gaseous fuels. It also specifies the test parameters for the test methods to which it refers.

    The ISO 16486 series is applicable to PA-U piping systems, the components of which are connected by fusion jointing and/or mechanical jointing.

    This document establishes a calculation and design scheme on which to base the maximum operating pressure (MOP) of a PA-U piping system.

27. **MEDC 04 (1136) DTZS/ ISO 16486-2:2020 - Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 2: Pipes.**

    Title: Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 2: Pipes.

    Scope: This document specifies the physical and mechanical properties of pipes made from unplasticized polyamide (PA-U) in accordance with ISO 16486-1, intended to be buried and used for the supply of gaseous fuels. It also specifies the test parameters for the test methods to which it refers.

    The ISO 16486 series of standards is applicable to PA-U piping systems, the components of which are connected by fusion jointing and/or mechanical jointing.

28. **MEDC 4 (1137) DTZS/ ISO 16486-3:2020 - Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 3: Fittings.**

    Title: Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 3: Fittings.

    Scope: This standard specifies the physical and mechanical properties of fittings made from unplasticized polyamide (PA-U) in accordance with ISO 16486-1, intended to be buried and used for the supply of gaseous fuels.

    It also specifies the test parameters for the test methods to which it refers.

29. **MEDC 4 (1138) DTZS/ ISO 16486-5:2020 - Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 5: Fitness for purpose of the system.**

    Title: Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 5: Fitness for purpose of the system.

    Scope: This document specifies the requirements of fitness for purpose of unplasticized polyamide (PA-U) piping system, intended to be buried and used for the supply of gaseous fuels. It also specifies the definitions of electrofusion and butt fusion joints.

    This document specifies the method of preparation of test piece joints and the tests to be carried out on these joints for assessing the fitness for purpose of the system under normal and extreme conditions. It also specifies the test parameters for the test methods to which it refers.

30. **MEDC 4 (1139) DTZS/ ISO 17885:2021 - Plastics piping systems - Mechanical fittings for pressure piping systems - Specifications.**

    Title: Plastics piping systems - Mechanical fittings for pressure piping systems - Specifications.

    Scope: This document specifies the requirements and test methods for mechanical fittings intended to join plastic pressure piping systems including transition fittings to metal pipes for the following:

    — supply of gaseous fuels (GAS);

    — supply of water for human consumption (W), including raw water prior to treatment and for the supply of water for general purposes, as well as underground drainage and sewerage under pressure (P);

    — supply of water for irrigation (I);

    — industrial applications (IS).

    This document is applicable only to mechanical fittings with operating-temperature and pressure limits as indicated in the relevant systems standards.

31. **MEDC 12 (1123) DTZS/ ISO/TS 21364-1:2021 - Domestic gas cooking appliances - Safety - Part 1: General requirements**

    Title: Domestic gas cooking appliances - Safety - Part 1: General requirements.

Scope: specifies the safety requirements for domestic gas cooking appliances. These appliances are freestanding, built-in or table-top and are intended to be used indoors. This document applies to the gas sections of the appliances and their component parts (e.g. combined gas-electric cooking appliances). This document does not apply to:

a) electrical heated elements as part of the appliance;

b) outdoor appliances;

c) appliances supplied at pressures greater than the maximum pressure of the test gases;

d) cook stoves, covered by the standards being developed in ISO/TC 285

32. MEDC 12 (1124) DTZS/ ISO/TS 21364-21:2021 - Domestic gas cooking appliances - Safety - Part 21: Particular requirements for gas hobs, gas grills and gas griddles.

Title: Domestic gas cooking appliances - Safety - Part 21: Particular requirements for gas hobs, gas grills and gas griddles..

Scope: This document specifies particular requirements for safety, construction and materials of household gas surface cooking appliances. For general requirements for safety, construction and materials of gas hobs, see ISO/TS 21364-1:2021.

This document covers the following:

— surface cooking appliances:

— hobs;

— surface grills;

— griddles;

being built-in, part of a cooking appliance or table top;

— hobs accessories.

It does not cover surface cooking appliances intended for outdoor use and/or commercial use as well as electrical heated elements as part of the appliance. It also does not cover appliances with automatic burner control systems.

33. MEDC 12 (1125) DTZS/ ISO/TS 21364-22:2021 - Domestic gas cooking appliances - Safety - Part 22: Particular requirements for ovens and compartment grills.

Title: Domestic gas cooking appliances - Safety - Part 22: Particular requirements for ovens and compartment grill.

Scope: This standard specifies particular requirements for safety, construction and materials of domestic gas ovens and compartment grills. For general requirements for safety, construction and materials of gas ovens and compartment grills, ISO/TS 21364-1:2021 applies.

This document covers the following gas cooking appliances:

— ovens with natural or forced convection;

— pyrolytic-self-cleaning ovens and pyrolytic-self-cleaning compartment grills;

— compartment grills

being built-in, table top or part of a cooking range.

— oven accessories

It does not cover gas ovens and compartment grills intended for outdoor use and/or commercial use as well as electrical heated elements as part of the appliance. It does also not cover appliances with automatic burner control systems.

34. MEDC 02 (1027) DTZS/ ISO 10721-1:1997 Steel structures - Part 1: Materials and design

Title: Steel structures - Part 1: Materials and design.

Scope: This standard establishes the principles and general rules for the use of steel materials and design of steel structures in buildings.

35. MEDC 02 (1028) DTZS/ ISO 10721-2:1999 Steel structures - Part 2: Fabrication and erection

Title: Steel structures - Part 2: Fabrication and erection.

Scope: This standard specifies the requirements for the fabrication, erection and inspection of structural steelwork in buildings designed in accordance with ISO 10721-1, including steelwork in composite steel and concrete structures.

36. MEDC 11 (1342) DTZS/ ISO 23551-2:2018 - Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 2: Pressure regulators

Title: Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 2: Pressure regulators.

Scope: This standard specifies safety, construction, performance and testing requirements for pressure regulators and pneumatic gas/air ratio pressure regulators intended for use with gas burners and gas-burning appliances.

This document applies to pressure regulators and pneumatic gas/air ratio pressure regulators of nominal connection size up to and including DN 250 at inlet pressures up to and including 500 kPa, for use with natural gas, manufactured gas or liquefied petroleum gas (LPG). It is not applicable to corrosive and waste gases.

37. MEDC 11 (1343) DTZS/ ISO 23551-4:2018 - Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 4: Valve-proving systems for automatic shut-off valves.

Title: Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 4: Valve-proving systems for automatic shut-off valves.

Scope: This standard specifies safety, constructional and performance requirements of valve-proving systems (VPS), intended for use with gas burners and gas-burning appliances. It also describes the test procedures for checking compliance with these requirements and provides information necessary for the purchaser and user.

This document is applicable to all types of VPS which are used for the automatic detection of leakage in a gas burner section having at least two valves designed in

accordance with ISO 23551-1 and which give a signal if the leakage of one of the valves exceeds the detection limit.

38. **MEDC 11 (1344) DTZS/ ISO 23551-5:2014 - Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 5: Manual gas valves.**

    Title: Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 5: Manual gas valves.

    Scope: This standard specifies safety, constructional and performance requirements for manual gas valves intended for use with gas burners and gas-burning appliances, hereafter referred to as ‘valves’, unless otherwise specified.

    This International Standard applies to following types of manual gas valves:

    — manual gas shut-off valve;

    — gas burner valve;

    — appliance connector valve;

    — “delta C” valve.

    This part of ISO 23551 applies to valves for gas burners and gas-burning appliances of nominal connection size up to and including DN 100 that can be used and tested independently of these appliances using fuel gases, as natural gas, manufactured gas or liquefied petroleum gas (LPG) at inlet pressures up to and including 500 kPa. It is not applicable to corrosive and waste gases.

    This International Standard covers type testing only.

39. **MEDC 11 (1345) DTZS/ ISO 23551-6:2021 Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 6: Thermoelectric flame supervision controls.**

    Title: Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 6: Thermoelectric flame supervision controls.

    Scope: This standard specifies safety, constructional, and performance and testing requirements for thermoelectric flame supervision controls, energized by a thermocouple, intended for use with gas burners and gas-burning appliances, hereafter referred to as “controls”.

    This document applies to thermoelectric flame supervision controls for gas burners and gas-burning appliances of nominal connection size up to, and including DN 50, that can be used and tested independently of these appliances.

    These thermoelectric flame supervision controls are suitable for fuel gases, such as natural gas, manufactured gas or liquefied petroleum gas (LPG) at inlet pressures up to and including 50 kPa. It is not applicable to corrosive and waste gases.

40. **MEDC 11 (1346) DTZS/ ISO 23551-8:2016 Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 8: Multifunctional controls.**

    Title: Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 8: Multifunctional controls.

Scope: This standard specifies the safety, construction and performance requirements for multifunctional controls intended for use with gas burners, gas appliances and similar use, hereafter referred to as “MFC”.

This part of ISO 23551 is applicable to MFC with declared maximum inlet pressures up to, and including, 50 kPa (500 mbar) of nominal connection sizes up to, and including, DN 150 for use with one or more fuel gases.

MFC consist of two or more functions, at least one of which is a mechanical control, as specified in the relevant control standards.

41. **MEDC 11 (1347) CD1/ ISO 23551-9:2022 Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 9: Mechanical gas thermostats.**

Title: Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 9: Mechanical gas thermostats.

Scope: This standard specifies safety, construction, performance and testing requirements for mechanical gas thermostat intended for use with gas burners and gas burning appliances hereafter referred to as “thermostats”.

This document applies to mechanical gas thermostats of nominal connection sizes up to and including DN 50 with declared maximum inlet pressures up to and including 50 kPa, for use with natural gas, manufactured gas or liquefied petroleum gas (LPG). It is not applicable to corrosive and waste gases.

This document applies to mechanical thermostats:

— controlling the gas flow directly or indirectly through an integral gas valve, and which do not require external electrical energy for their operation;

— used on gas appliances where the thermostat is not directly exposed to the outdoor environment; and

— which are intended for operating control functions.

This document covers type testing only.

42. **MEDC 11 (1348) CD1/ ISO 23551-10:2016 Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 10: Vent valves.**

Title: Safety and control devices for gas burners and gas-burning appliances - Particular requirements - Part 10: Vent valves.

Scope: This standard specifies the safety, design, construction and performance requirements and testing for automatic vent valves (hereafter referred to as “valves”) for use with gas burners, gas appliances burning one or more gaseous fuels.

This part of ISO 23551 is applicable to valves with declared maximum inlet pressures up to and including 500 kPa (5 bar) of nominal connection sizes up to and including DN 100 (4”).