* 1. **TBS/MEDC 11 (868) DTZS/ ISO 9905:1994 - Technical specifications for centrifugal - Pumps Class I.**

**Title:** Technical specifications for centrifugal - Pumps Class I.

**Scope:** This standard specifies the technical requirements, other than safety and testing, for rotary positive displacement pumps and rotary positive displacement pump units.

This standard does not apply to rotary positive displacement pumps for fluid power applications.

* 1. **TBS/MEDC 11 (869) DTZS/ ISO 5199:2002 - Technical specifications for centrifugal - Pumps Class II.**

**Title:** Technical specifications for centrifugal - Pumps Class II.

**Scope:** 1.1 This International Standard specifies the requirements for Class II centrifugal pumps of single-stage, multistage, horizontal or vertical construction, with any drive and any installation for general application. Pumps used in the chemical process industries (e.g. those conforming to ISO 2858) are typical of those covered by this International Standard.

1.2 This International Standard includes design features concerned with installation, maintenance and safety for these pumps including baseplate, couplings and auxiliary piping, but it does not specify any requirements for the driver other than those related to its rated power output.

1.3 Where application of this International Standard has been called for and requires a specific design feature, alternative designs may be offered which meet the intent of this International Standard provided that the alternative is described in detail.

Pumps not complying with all the requirements of this International Standard may be offered for consideration provided that all deviations are stated.

* 1. **TBS/MEDC 11 (870) DTZS/ ISO 9908:1993 - Technical specifications for centrifugal - Pumps Class III.**

**Title:** Technical specifications for centrifugal - Pumps Class III.

**Scope:** This International Standard covers Class III requirements for centrifugal pumps of single stage, multistage, horizontal or vertical construction (coupled or close-coupled) with any drive and any installation for general application.

1.2 This International Standard includes design features concerned with installation, maintenance and safety of such pumps including baseplate, coupling and auxiliary piping but excluding the driver, if it is not an integral part of the pump.

1.3 Where the application of this International Standard has been called for:

a) and requires a specific design feature, alternative designs may be offered which meet the intent of this International Standard provided that the alternative is described in detail.

b) pumps not complying with all requirements of this International Standard may be offered for consideration, provided that all deviations are stated.

* 1. **TBS/MEDC 11 (871) DTZS/ ISO 14847:1999 - Rotary positive displacement pumps — Technical requirements.**

**Title:** Rotary positive displacement pumps — Technical requirements.

**Scope:** This standard specifies the technical requirements, other than safety and testing, for rotary positive displacement pumps and rotary positive displacement pump units.

This standard does not apply to rotary positive displacement pumps for fluid power applications.

* 1. **TBS/MEDC 11 (872) DTZS/ ISO 16330:2003 - Reciprocating positive displacement pumps and pump units - Technical requirements.**

**Title:** Reciprocating positive displacement pumps and pump units - Technical requirements.

**Scope:** This Standard specifies the technical requirements, other than safety and testing, for reciprocating positive displacement pumps and pump units. This standard applies to pumps which utilise reciprocating motion derived from crankshafts and camshafts and also direct-acting fluid driven pumps.

This Standard does not apply to reciprocating positive displacement pumps, not pumping water, where the whole pump is lubricated with the liquid being pumped.

* 1. **TBS/MEDC 11 (873) DTZS/ ISO 15873:2002 - Irrigation equipment — Differential pressure Venturi-type liquid additive injectors.**

**Title:** Irrigation equipment — Differential pressure Venturi-type liquid additive injectors.

**Scope:** This International Standard specifies the construction of, and operational requirements and test methods for, differential pressure Venturi-type liquid additive injectors — a component of systems used to inject chemicals, including liquid fertilizers, liquid solutions of water-soluble fertilizers, acids, caustics, pesticides, herbicides and other liquid additives, into irrigation systems. This International Standard does not specify means of preventing backflow of liquid additives to potable water supply systems, the assembly of such means near to the Venturi injector being covered by water protection regulations.

* 1. **TBS/MEDC 02 (1240) DTZS/ ISO 3834-1:2005 - Quality requirements for fusion welding of metallic materials - Part 1: Criteria for the selection of the appropriate level of quality requirements.**

**Title:** Quality requirements for fusion welding of metallic materials - Part 1: Criteria for the selection of the appropriate level of quality requirements.

**Scope:** This part of ISO 3834 provides a general outline of ISO 3834 and criteria to be taken into account for the selection of the appropriate level of quality requirements for fusion welding of metallic materials, among the three levels specified in ISO 3834-2 [3], ISO 3834-3 [4] and ISO 3834-4 [5]. It applies to manufacturing, both in workshops and at field installation sites.

NOTE 1: ISO 3834-2, ISO 3834-3 and ISO 3834-4 provide complete sets of quality requirements for process control related to all fusion welding processes (for each process separately or in combination as specified). ISO 3834-5 specifies the documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4.

This part of ISO 3834 does not specify requirements for a total quality management system. However, Clause 6 identifies quality management system elements where their inclusion will complement ISO 3834.

NOTE 2: ISO 3834-2, ISO 3834-3 and ISO 3834-4 may be used on their own by a manufacturer or in conjunction with ISO 9001:2000.

* 1. **TBS/MEDC 02 (1018) DTZS/ ISO 3834-2:2021 - Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements**

**Title:** Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements

**Scope:** This part of ISO 3834 defines comprehensive quality requirements for fusion welding of metallic materials both in workshops and at field installation sites.

* 1. **TBS/MEDC 02 (1019) DTZS/ ISO 3834-3:2021 - Quality requirements for fusion welding of metallic materials - Part 3: Standard quality requirements.**

**Title:** Quality requirements for fusion welding of metallic materials - Part 3: Standard quality requirements.

**Scope:** This part of ISO 3834 defines standard quality requirements for fusion welding of metallic materials both in workshops and at field installation sites.

* 1. **TBS/MEDC 02 (1020) DTZS/ ISO 3834-4:2021 - Quality requirements for fusion welding of metallic materials - Part 4: Elementary quality requirements.**

**Title:** Quality requirements for fusion welding of metallic materials - Part 4: Elementary quality requirements.

**Scope:** This part of ISO 3834 defines elementary quality requirements for fusion welding of metallic materials both in workshops and at field installation sites.

* 1. **TBS/MEDC 02 (1241) DTZS/ ISO 3834-5:2015 - Quality requirements for fusion welding of metallic materials - Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4.**

**Title:** Quality requirements for fusion welding of metallic materials - Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4.

**Scope:** This part of ISO 3834 specifies the International Standards with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834‑2, ISO 3834‑3, or ISO 3834‑4. It can only be used in conjunction with ISO 3834‑2, ISO 3834‑3, or ISO 3834‑4.

* 1. **TBS/MEDC 02 (1021) DTZS/ ISO 4990:2015 - Steel castings - General technical delivery requirements [Rev. TZS 955:2007].**

**Title:** Steel castings - General technical delivery requirements

**Scope:** This International Standard specifies the general technical delivery requirements for the supply of steel, nickel, and cobalt alloy castings, including the requirements for the selection and preparation of samples and test pieces.

When a material or product standard differ from this delivery specification, the material or product standard shall apply. In the case of investment castings, ISO 16468 will apply.

This International Standard also specifies a group of supplementary requirements which may be applied to steel, nickel, and cobalt alloy castings. These requirements are provided for use when additional testing or inspection is desired and apply only when individually specified by the purchaser.

* 1. **TBS/MEDC 02 (1022) DTZS/ ISO 404:2013 - Steel and steel products - General technical delivery requirements.**

**Title:** Steel and steel products - General technical delivery requirements.

**Scope:** This International Standard specifies the general technical delivery requirements for all steel products covered by ISO 6929, with the exception of steel castings and powder metallurgical products.

ISO 10474 describes the inspection documents to be used.

Where the delivery requirements agreed upon for the order or specified in the appropriate product or material standard differ from the general technical delivery requirements defined in this International Standard, then it is the requirements agreed for ordering or specified in the appropriate product or material standard that apply.