
**Agricultural irrigation equipment —
Filters for microirrigation —**

Part 3:
**Automatic flushing strainer-type
filters and disc filters**

*Matériel agricole d'irrigation — Filtres pour micro-irrigation —
Partie 3: Filtres à tamis et filtres à disque auto-nettoyants*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. www.iso.org/directives

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The committee responsible for this document is ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 18, *Irrigation and drainage equipment and systems*.

This second edition cancels and replaces the first edition (ISO 9912-3:1992), which has been technically revised.

ISO 9912 consists of the following parts, under the general title *Agricultural irrigation equipment — Filters for microirrigation*:

- *Part 1: Terms, definitions and classification*
- *Part 2: Strainer-type filters and disc filters*
- *Part 3: Automatic flushing strainer-type filters and disc filters*

A fourth part on granulated media filters is planned.

Agricultural irrigation equipment — Filters for microirrigation —

Part 3: Automatic flushing strainer-type filters and disc filters

1 Scope

This part of ISO 9912 specifies general construction requirements and test methods for automatic flushing strainer-type filters and disc filters (hereinafter called “filters”) intended for operation in agricultural irrigation systems.

It does not cover the aspects of filtration ability, efficiency and capacity (like quality of filtered water or time of operation before filter becomes entirely clogged).

NOTE 1 The parameters of filtration ability, efficiency and capacity, their definitions and their test methods are to be included in a separate ISO International Standard or Technical Report. The test methods will be described in that document, using water as defined by the client, to characterize the filter properties during operation with this water, or with water defined by the tester or the client, for comparison between various filters under identical operating conditions.

NOTE 2 ISO 9912-2 covers strainer-type filters and disc filters in general (see [Clause 5](#)).

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 9912-1, *Agricultural irrigation equipment — Filters for micro-irrigation — Part 1: Terms, definitions and classification*

ISO 9912-2:—¹⁾, *Agricultural irrigation equipment — Filters for microirrigation — Part 2: Strainer-type filters and disc filters*

3 Terms and definitions

For the purposes of this part of ISO 9912, the following terms and definitions apply, together with the relevant definitions in ISO 9912-1 and ISO 9912-2.

3.1

automatic flushing filter

filter in which both the initiation and the termination of discrete flushing cycles are activated automatically

3.2

duration of automatic flushing cycle

period of time during which water and clogging material are flushed out

1) To be published. (Revision of ISO 9912-2:1992)