

**IS 17411 (Part 2):2020, identical to ISO 9912-2:2013, is titled "Agricultural Irrigation Equipment – Filters for Micro-Irrigation: Part 2 Strainer-Type Filters and Disc Filters."**

**Scope**

This standard specifies general construction requirements and test methods for strainer filters and disc filters intended for operation in agricultural irrigation systems.

**Normative References**

The standard references several other standards, including ISO 7-1 for pipe threads and ISO 7005-1 and ISO 7005-2 for metallic pipe flanges, ISO 9912-1 for filters for micro irrigation.

**Terms and Definitions**

Key terms defined include strainer filter, disc filter, filter element, filter housing, nominal pressure, clean pressure drop, and aperture size.

**General Construction Requirements**

The standard outlines requirements for materials, design, and construction to ensure durability and proper functioning of strainer-type and disc filters in irrigation systems.

## **Test Methods**

It specifies test methods to verify compliance with construction requirements, including pressure tests and assessments of clean pressure drop.

## **Marking and Identification**

Manufacturers are required to mark filters with specific information, such as nominal pressure, aperture size, and manufacturer's identification, to ensure proper selection and use.

This standard is essential for manufacturers, designers, and users of agricultural irrigation systems to ensure the reliability and efficiency of strainer-type filters and disc filters.

## **SOURCES**

[https://www.services.bis.gov.in/php/BIS\\_2.0/bisconnect/standard\\_review/Standard\\_review/Isdetails?ID=MjQ4ODU%3D&utm](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/standard_review/Standard_review/Isdetails?ID=MjQ4ODU%3D&utm)

<https://www.iso.org/standard/39769.html?utm>

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