

LIST OF IRRIGATION STANDARDS

(ISO and CEN)

I. IRRIGATION MACHINES

- ISO 12374 Wiring and equipment for electrically driven or controlled irrigation machines (published)
- EN 12325-1 Irrigation techniques - Centre pivot and moving lateral systems - Part 1: Presentation of technical characteristics (published)
- EN 12325-2 Irrigation techniques - Centre pivot and moving lateral systems - Part 2: Minimum performances and technical characteristics (published)
- EN 12325-3 Irrigation techniques - Centre pivot and moving lateral systems - Part 3: Terminology and classification (published)
- EN 909: 1998 Agricultural and forestry machinery - Centre pivot and moving lateral types irrigation machines Safety) (published)
- EN ISO 11545 Agricultural irrigation equipment – Centre-pivot and moving lateral irrigation machines with sprayer or sprinkler nozzles – Determination of uniformity of water distribution (published)
- EN 12324-1 Irrigation techniques - Reel machine systems - Part 1: Size series (published)
- EN 12324-2 Irrigation techniques - Reel machine systems - Part 2: Specification of polyethylene tubes for reel machines (published)
- EN 12324-3 Irrigation techniques - Reel machine systems - Part 3: Presentation of technical characteristics (published)
- EN 12324-4 Irrigation techniques - Reel machine systems - Part 4: Checklist of user requirements (published)
- EN 908: 1999 Agricultural and forestry machinery - Reel machines for irrigation – Safety (published)
- PrEN ISO 8224-1 Traveller irrigation machines - Part 1: Documentation and laboratory and field test methods
- ISO 8224-2 Traveller irrigation machines - Part 2 : Softwall hose and couplings - Test method (published)

II. SPRINKLERS

- ISO/WD 15886-1 Irrigation equipment - Sprinklers – Part 1: Classification
- ISO/WD 15886-2 Irrigation equipment - Sprinklers – Part 2: Design and operational requirements
- ISO/WD 15886-3 Irrigation equipment - Sprinklers – Part 3: Uniformity of distribution and test methods
- ISO/WD 15886-4 Irrigation equipment - Sprinklers –Part 4: Test methods for durability
- PrEN 13742-1 Irrigation techniques - Solid set sprinkler systems – Part 1: Selection, design, planning and installation
- PrEN 13742-2 Irrigation techniques - Solid set sprinkler systems – Part 2: Test methods

III. AUTOMATIC TURF IRRIGATION

- ISO/TR 8059 Automatic irrigation systems - Hydraulic control – Technical report (published)
- EN 12484-1 Irrigation techniques - Automatic turf irrigation systems - Part 1: Definition of the programme of equipment by the owner (published)
- EN 12484-2 Irrigation techniques - Automatic turf irrigation systems - Part 2: Design and definition of typical technical templates (published)

- EN 12484-3 Irrigation techniques - Automatic turf irrigation systems - Part 3: Automatic control and system management (published)
- PrEN 12484-4 Irrigation techniques - Automatic turf irrigation systems - Part 4: Installation, and acceptance
- PrEN 12484-5 Irrigation techniques - Automatic turf irrigation systems - Part 5: Testing methods of systems

IV. LOCALISED IRRIGATION

- ISO 8026 (published) and ISO/DIS 8026 Amendement 1 Agricultural irrigation equipment - Sprayers - General requirements and tests methods
- EN 13635 Irrigation techniques - Localised irrigation systems - Terminology and data to be supplied by the manufacturer (published)
- ISO/CD 9261 Irrigation equipment : Emitters and emitting-pipe systems - specification and test methods
- WI (CEN) 00334022 Irrigation techniques - Localised irrigation systems - Emitting devices, characteristics and test methods
- ISO/DIS 9912-1 Agricultural irrigation equipment - Filters for microirrigation - Part 1 : Classification
- ISO 9912-2 Filters – Part 2 : Strainer-type filters (published)
- ISO 9912-3 Filters - Part 3 : Automatic self-cleaning strainer type filters (published)
- WI (CEN) 00334009 Irrigation techniques - Localised irrigation systems - Filtration
- WI (CEN) 00334010 Irrigation techniques - Localised irrigation systems - Hydraulic evaluation
- ISO/WD 15904 Irrigation equipment - Safety devices for chemigation

V. PIPES

- ISO 11678 Aluminium irrigation tubes (published)
- EN 12734 Irrigation techniques - Quick coupling pipes for movable irrigation supply – Technical characteristics and testing (published)
- ISO/FDIS 8779 Polyethylene (PE) pipes for irrigation laterals – Specifications
- ISO/DIS 8796 Polyethylene (PE) 32 pipes for irrigation laterals – Susceptibility to environmental stress-cracking induced by insert-type fittings – Test method and specifications
- ISO 9625 Mechanical joint fitting for use with PE pressure pipes for irrigation purposes (published)
- ISO 13460 Agricultural irrigation equipment - Plastics saddles for polyethylene pressure pipes (published)
- PrEN 13997 Irrigation techniques – Connection and control accessories for use in irrigation systems – Technical characteristics and testing

VI. ACCESSORIES AND FITTINGS

- ISO 11738 and Amendement 1 Agricultural irrigation equipment – Control head (published)
- ISO/CD 13458 Chemical injection tanks units
- ISO/DIS 13457 Agricultural irrigation equipment - Water-driven chemical injector pumps
- ISO/DIS 15873 Irrigation equipment - Differential pressure Venturi fertilizer injectors
- ISO/DIS 7714 Agricultural irrigation equipment - Volumetric valves - General requirements and test methods
- ISO 9952 Check valves (published)
- ISO 10522 Direct acting pressure regulating valves (published)
- ISO 11419 Agricultural irrigation equipment – Float type air release valves
- ISO 9911 Manually operated small plastic valves (published)

- ISO 9635 Hydraulically operated irrigation valves (**published**)
- ISO 9644 and Amendment 1 Agricultural irrigation equipment - Pressure losses in irrigation valves - Test method (**published**)
- WI (CEN) 00334011 Irrigation techniques - Irrigation hydrants
- WI (CEN) 00334024 Irrigation techniques – Meters for irrigation water

VII. IRRIGATION INTENSITY

- PrEN 14049 Irrigation techniques – Water application intensity - Calculation principles and measurement methods

VIII. REMOTE MONITORING AND CONTROL

- WI (CEN) Irrigation techniques - Remote Monitoring and Control for irrigation systems

IX. SURFACE IRRIGATION

- ISO/WD Low-pressure, above-ground PVC pipe, both gated and ungated, for surface irrigation

X. LABORATORY TEST EQUIPMENT

- ISO/WD TR 15155 Laboratory test equipment for irrigation purposes – Technical report

XI. GRAPHIC SYMBOLS

- ISO/CD 15081 Graphic symbols for pressurized irrigation system design