

IS 14605 / ISO 8026

Mini Sprinkler Systems

Mini sprinklers and micro sprayers to IS 14605 and ISO 8026 — even coverage at pressures a modest pump can hold, for the crops where drip is too targeted and flood is too wasteful.

STANDARD

IS 14605 · ISO 8026

PRESSURE

Low-pressure coverage

USE

Horticulture, nurseries



Micro-irrigation in the field

Even coverage, low pressure.

Not every crop wants water at a point. Nurseries, leafy vegetables, germinating beds and close-spaced horticulture all do better with an even wetted area, and mini sprinklers deliver that at pressures a modest pump can hold.

A standards note worth getting right: the micro and mini sprinkler standard is IS 14605, aligned to ISO 8026. IS 12232 is the standard for rotating impact sprinklers used in overhead sprinkler irrigation — a different product. Suppliers citing IS 12232 for a mini sprinkler have the wrong standard on their datasheet.

Low pressure

Runs on modest pump heads — typically 1 to 3 kg/cm².

IS 14605

The correct standard for micro and mini sprinklers, aligned to ISO 8026.

Same network

Shares HDPE mains with drip zones.

HORTICULTURE

Nurseries

Seedling and nursery bed irrigation.

VEGETABLES

Leafy crops

Close-spaced vegetable production.

ORCHARDS

Under canopy

Supplementary irrigation in plantations.

LANDSCAPE

Turf

Lawn, park and landscape watering.

Fields marked "On enquiry" are issued against a specific enquiry. Full specification, reference tables and fittings: aggarwalglobal.com/products/mini-sprinkler.html

GENERAL

Product	Mini sprinkler and micro sprayer
Standard	IS 14605, aligned to ISO 8026
Discharge range	Typically 16 to 180 litres per hour at 1 kg/cm ² — by nozzle
Recommended operating pressure	1 to 3 kg/cm ²
Inlet connection	Threaded or micro-barb — specify
Coverage	Full circle and part circle patterns
Recommended spacing	1.2 m to 4.4 m depending on nozzle and pressure
Filtration required	100 micron
Nozzle identification	Colour coded by discharge rate

PERFORMANCE DATA

Nozzle x pressure x discharge matrix	On enquiry — full matrix issued on enquiry
Wetted diameter by nozzle and pressure	On enquiry
Distribution uniformity	Tested per IS 14605
Trajectory height	Per IS 14605 test method

STANDARDS

IS 14605	Irrigation equipment — micro sprayers, aligned to ISO 8026
ISO 8026	Agricultural irrigation equipment — sprayers, general requirements and test methods
IS 12232 (Part 1)	Rotating sprinklers — a different product; not the micro sprinkler standard
IS 14151	Polyethylene pipes for sprinkler irrigation systems



ENQUIRIES

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