

MZ 400 SERIES

MZ411

Aristand Sprinklers

For Row Crops

Creates a Microclimate

Applicable for crop protection against frost and heat



HIGHLIGHTS

- Uniform water application – Maintains optimum soil moisture ratio
- Uniform germination and fertilizer application
- Prevents soil erosion
- Easy to install and dismantle, with visibility of operation
- Versatile system that can be used for 2-3 crops each year
- Distance between sprinklers: 8-12m
- Low application rate: 4-5mm/hr
- Low operating pressure – Energy saving
- Sustainable – No leaching of water or fertilizers to the groundwater
- Durable and weather-resistant long lifespan

APPLICATIONS

- All row crop irrigation compatible by overhead irrigation on permanent solid set systems
- For field crop and germination of vegetables, flowers, and nursery crops
- Specially used for leafy vegetables
- Potatoes, onions, garlic, ginger, cabbage, cauliflower, strawberry, groundnuts, mustard, pulses, tea, nursery plants
- Creates microclimate conditions

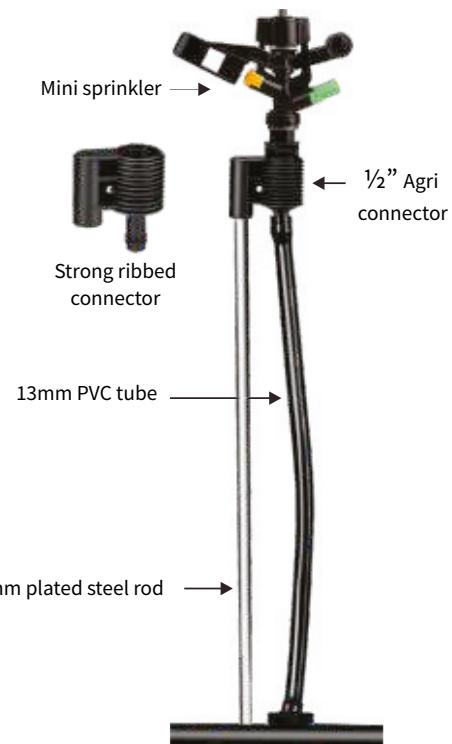
TECHNICAL DATA

- Available in $\frac{1}{2}$ " male threaded
- Nozzle bayonet connection for easy service in field conditions
- Nozzle designed for excellent distribution uniformity
- Graphite bottom washer for smooth and consistent rotation
- Recommended pressure: 2.0-4.0 bar
- Recommended spacing: Up to 10m for higher distribution uniformity
- Trajectory angle: 24°

PERFORMANCE TABLE MZ411

Nozzle	Pressure	Coverage Diameter	Discharge Rate
mm	bar	m	lph
Round - Silver Slit - Green 2.3 x 1.8 	2.0	19.6	460
	2.5	20	510
	3.0	20.4	560
	3.5	20.6	600
	4.0	21	640
Round- Yellow Slit - Green 2.4 x 1.8 	1.0	17.5	384
	1.5	18	474
	2.0	19	534
	2.5	19.5	600
	3.0	20	654
Round - Purple Slit - Green 2.5 x 1.8 	2.0	20	520
	2.5	20.6	580
	3.0	21	640
	3.5	21.4	679
	4.0	21.6	762

MZ411 ASSEMBLY

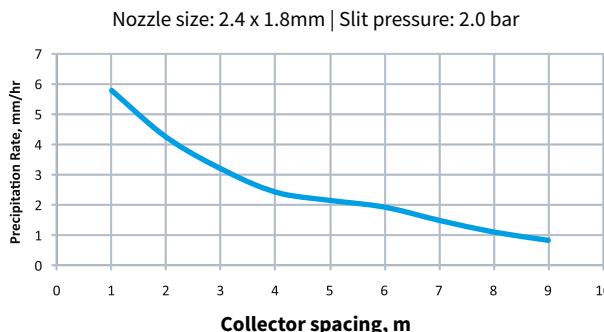


* Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

UNIFORMITY CHART

Spacing (m)	CU	DU	SC (5%)	PR (mm/hr)
8.0 X 8.0	94%	91%	1.2	8.3
9.0 X 9.0	92%	86%	1.2	6.6
8.0 X 10.0	92%	87%	1.3	6.7
9.0 X 10.0	91%	86%	1.2	5.9
10.0 X 10.0	92%	89%	1.1	5.3

DISTRIBUTION CURVE



SLIT NOZZLE



- Specially designed spray milling nozzle for higher distribution uniformity at low pressures
- Ideal solution for dry patches in the field

Keep in touch!

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 metzer-group.com



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