

MZ 400 SERIES

MZ405 3/4"

BSP NPT Male Thread

For Agricultural Fields

Heavy-Duty

12-18m Range



The MZ405 sprinkler is a highly efficient irrigation solution designed to deliver optimal water distribution for agricultural fields, fruit farming, and vegetable farming. With a range of 12-18 meters, it performs well even in windy conditions, thanks to a smart design featuring a special arm for maximum water coverage.

Available in part-circle and full-circle models, the MZ405 is compatible with overhead irrigation systems. It is made of high-impact, heavy-duty plastics, and is resistant to corrosion by both chemicals and UV radiation.

HIGHLIGHTS

- Versatile and reliable: Available with 3/4" BSPT male/female threaded connection
- Uniform water distribution: Recommended spacing of up to 18m
- Nozzles with integrated spreader screws
- Press fitted weight in arm for proper impact and balance
- Color-coded bayonet nozzles for easy maintenance
- Durable, high-impact, heavy-duty plastic, resistant to corrosion and radiation
- Brass threaded nozzle (MI-46B) model also available

TECHNICAL DATA

- Pressure range: 2.0-4.0 bar
- Flow rate range: 680-3,070 lph
- Coverage diameter: 25.0-30.5m'
- Trajectory angle: 23°

PERFORMANCE TABLE MZ405

Nozzle Size and color	Pressure	Coverage Diameter	Flow Rate
mm	bar	m'	lph
3.57 Blue x Plug 	2	25.0	680
	2.5	25.5	770
	3	26.0	840
	3.5	26.5	910
	4	26.5	970
3.57 Blue x 2.38 	2	25.0	990
	2.5	25.5	1100
	3	26.0	1215
	3.5	26.5	1310
	4	26.5	1400
3.96 Green x 2.38 	2	25.5	1150
	2.5	26.0	1285
	3	27.0	1410
	3.5	27.5	1525
	4	28.0	1625
4.36 Grey x 2.38 	2	26.0	1330
	2.5	26.5	1485
	3	27.5	1630
	3.5	28.0	1760
	4	28.5	1880
4.76 Yellow x 3.17 	2	27.0	1760
	2.5	27.5	1970
	3	28.0	2150
	3.5	28.5	2330
	4	29.5	2490
5.15 Black x 3.17 	2	27.5	1940
	2.5	28.5	2170
	3	29.0	2375
	3.5	29.5	2570
	4	30.0	2745
5.55 Orange x 3.17 	2	28.0	2170
	2.5	29.0	2425
	3	30.0	2650
	3.5	30.5	2875
	4	30.5	3075

• Performance is based on ideal conditions of temperature, wind velocity and humidity.

• Tested at 100cm height above the ground.

Rear Nozzle :

2.38mm - Yellow colour

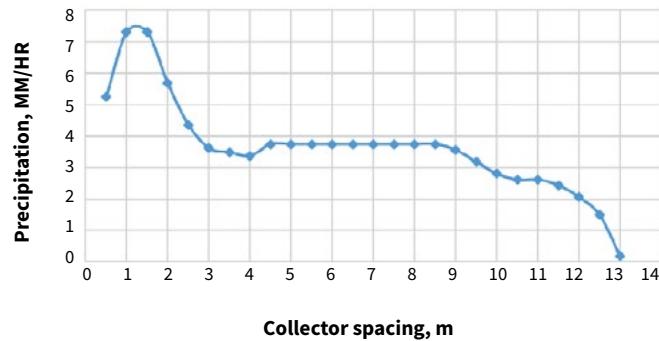
3.17mm - Black colour

UNIFORMITY CHART

Spacing (m)	CU	DU	SC (5%)	PR (mm/hr)
12x12	92%	85%	1.1	15
12x15	88%	84%	1.2	12
15x15	88%	79%	1.2	9.6
12x18	91%	86%	1.1	10
15x18	89%	80%	1.3	8
18x18	85%	79%	1.2	6.7

DISTRIBUTION CURVE

Nozzle Size : 4.36x2.38mm | Pressure : 3.0 bar



MODELS



Special model
with brass nozzle



Special model with spreader
nozzle (optional)



Keep in touch!

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