

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 (60ft)
- 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: 2-4 kg/cm² (28-57 PSI)
- Flow rate range: 680-3,070 l/h (3.0-13.5 GPM)
- Coverage diameter: 25.0-30.5m (82-100 ft)
- Trajectory angle: 23°

Nozzle Color & Size		Pressure		Coverage Diameter		Flow Rate	
mm	inch	kg/cm ²	PSI	m	ft	LPH	GPM
3.57 Blue x Plug 	9/64" Blue x Plug 	2	28	25.0	82.0	680	3.0
		2.5	36	25.5	83.7	770	3.4
		3	43	26.0	85.3	840	3.7
		3.5	50	26.5	86.9	910	4.0
		4	57	26.5	86.9	970	4.3
3.57 Blue x 2.38 	9/64" Blue x 3/32" 	2	28	25.0	82.0	990	4.4
		2.5	36	25.5	83.7	1100	4.8
		3	43	26.0	85.3	1215	5.3
		3.5	50	26.5	86.9	1310	5.8
		4	57	26.5	86.9	1400	6.2
3.96 Green x 2.38 	5/32" Green x 3/32" 	2	28	25.5	83.7	1150	5.1
		2.5	36	26.0	85.3	1285	5.7
		3	43	27.0	88.6	1410	6.2
		3.5	50	27.5	90.2	1525	6.7
		4	57	28.0	91.9	1625	7.1
4.36 Grey x 2.38 	11/64" Grey x 3/32" 	2	28	26.0	85.3	1330	5.8
		2.5	36	26.5	86.9	1485	6.5
		3	43	27.5	90.2	1630	7.2
		3.5	50	28.0	91.9	1760	7.7
		4	57	28.5	93.5	1880	8.3
4.76 Yellow x 3.17 	3/16" Yellow x 1/8" 	2	28	27.0	88.6	1760	7.7
		2.5	36	27.5	90.2	1970	8.7
		3	43	28.0	91.9	2150	9.5
		3.5	50	28.5	93.5	2330	10.2
		4	57	29.5	96.8	2490	10.9
5.15 Black x 3.17 	13/64" Black x 1/8" 	2	28	27.5	90.2	1940	8.5
		2.5	36	28.5	93.5	2170	9.5
		3	43	29.0	95.1	2375	10.4
		3.5	50	29.5	96.8	2570	11.3
		4	57	30.0	98.4	2745	12.1
5.55 Orange x 3.17 	7/32" Orange x 1/8" 	2	28	28.0	91.9	2170	9.5
		2.5	36	29.0	95.1	2425	10.7
		3	43	30.0	98.4	2650	11.7
		3.5	50	30.5	100.1	2875	12.6
		4	57	30.5	100.1	3075	13.5

- Performance based on ideal temperature, wind velocity, and humidity conditions
- Tested at a height of 100cm (3ft) above the ground

Rear nozzle :

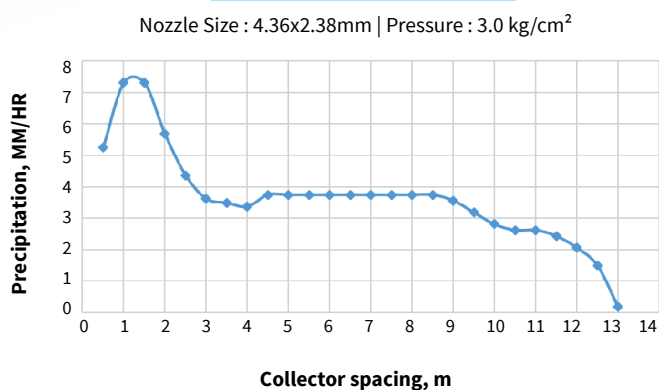
2.38mm (3/32") - Yellow color

3.17mm (1/8") - Black color

SPACING TABLE

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



MODELS



Special model
with brass nozzle



Special model with spreader
nozzle (optional)

Keep in touch!

 info@metzerplas.com

 metzer-group.com

