

SPRINKLERS



STANDARD



INVERTED



ADJUSTABLE



Orbita

Micro Sprinklers

OPERATION

Strong "C" frame design allows for excellent water distribution uniformity.

A selection of bases is available for the four micro sprinkler models. The bases are colour coded to identify flow rate.

Rotation of the rotor on the Adjustable Micro Sprinkler and Spike models allows simultaneous adjustment of flow rate and radius of throw. Choose the model and base colour for the application required.

PRODUCT FEATURES

- Four Orbita micro sprinkler models available: Standard, Inverted, Adjustable and Spike.
- Six colour coded bases to choose from for the Standard model.
- Four colour coded bases for the Inverted model.
- Base colour identifies the flow rate.
- Two Adjustable models available:
 1. **Black Base** with a **Black Rotor**
 2. **Yellow Base** with a **Blue Rotor**.
- The Spike is a pre-assembled model for quick and easy installation with a **Red Base**, adjustable rotor for flow and throw control, 500 mm flexible tube and 4.5 mm Joiner. There are two spike lengths to choose from, 200 mm or 310 mm.

PRODUCT FEATURES

- Strong "C" frame design.
- During rotation the spinner is supported between two bearings.
- The spinner on the inverted model has a cover that protects the bottom bearing from dust.

GENERAL APPLICATIONS

- Ideal for large areas that include garden beds, landscapes, vegetable gardens and agricultural applications.



ORBITA MICRO SPRINKLER

		STANDARD						INVERTED				ADJUSTABLE		SPIKE	
		Brown	Blue	Green	Red	Orange	Grey	Brown	Blue	Green	Red	Black	Yellow	Red	Red
BASE COLOUR		Brown	Blue	Green	Red	Orange	Grey	Brown	Blue	Green	Red	Black	Yellow	Red	Red
BASE ORIFICE SIZE		0.9 mm	1.0 mm	1.3 mm	1.5 mm	1.8 mm	2.0 mm	0.9 mm	1.0 mm	1.3 mm	1.5 mm	1.5 mm	1.5 mm	1.5 mm	1.5 mm
PACKAGING															
ORDER CODES	PACKS	201035	201045	201055	201065	201075	201085	201105	201115	201125	201135	201394	201404	201552	201562
	BULK	020103	020104	020105	020106	020107	020108	020110	020111	020112	020113	020139	020140	020155	020156
QUANTITY PER BAG	PACKS	50						50				25		10	10
	BULK	500						500				500		200	150
BAGS PER CARTON	PACKS	120						120				100		20	15
	BULK	12						12				5		1	1
WEIGHT PER CARTON (kg)	PACKS	15.5						15.6				12.1		9.9	8.6
	BULK	15.0						15.1				11.5		9.6	8.4
BASE INLET CONNECTION		"FAST" Thread						"FAST" Thread				10-32 UNF Thread		4.5 mm Barb	
DIMENSIONS OF ORBITA ASSEMBLED	HEIGHT	41 mm						41 mm				53 mm		415 mm	525 mm
	WIDTH	33 mm						33 mm				33 mm		33 mm	33 mm
	DEPTH	12 mm						12 mm				23 mm		23 mm	23 mm
	WEIGHT	2.3 g						2.3 g				4.0 g		43.5 g	47.1 g
MATERIAL UV STABILIZED	FRAME	Acetal													
	BASE	Acetal													
	FLIPPER	Nylon													

SPRINKLERS

Orbita

Micro Sprinklers



ADJUSTABLE
Black Base - Black Rotor



STANDARD
Blue Base



INVERTED
Red Base



ADJUSTABLE
Yellow Base - Blue Rotor




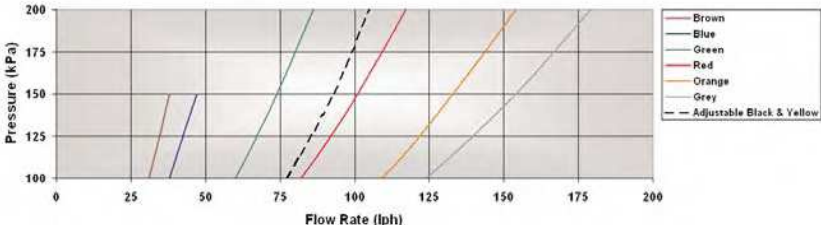


STANDARD
Red Base



INVERTED
Green Base

MICRO SPRINKLERS

METRIC PERFORMANCE DATA				STANDARD		INVERTED		SPIKE		VARIABLE	
								200 mm	310 mm		
								Tested 0.3 m above Ground Level	Tested 0.4 m above Ground Level		
FIXED FLOW	BASE COLOUR AND JET OUTLET SIZE	PRESSURE (kPa)	FLOW RATE (lph)	DIAMETER OF THROW (m)	STREAM HEIGHT (m)	DIAMETER OF THROW (m)		DIAMETER OF THROW (m)		DIAMETER OF THROW (m)	STREAM HEIGHT (m)
		BROWN	100	31	5.3	0.2	4.0	5.4			
	125		35	5.5	0.3	4.1	5.7				
	0.9 mm	150	38	5.6	0.4	4.2	5.8				
		100	36	5.4	0.2	4.1	5.6				
	BLUE	125	42	5.6	0.3	4.2	5.8				
		150	47	5.7	0.4	4.3	5.9				
	GREEN	100	60	6.0	0.4	4.2	5.7				
		150	74	6.7	0.5	4.5	6.1				
	1.3 mm	200	86	7.2	0.5	4.8	6.5				
100		82	6.4	0.4	4.4	5.9	6.5	6.6			
RED	150	101	7.3	0.5	4.8	6.5	7.4	7.5			
	200	117	8.0	0.5	5.1	7.0	8.1	8.2			
ORANGE	100	109	6.8	0.4							
	150	133	7.7	0.5							
1.8 mm	200	154	8.4	0.5							
	100	124	6.9	0.5							
GREY	150	154	7.8	0.5							
	200	179	8.6	0.5							
VARIABLE FLOW	BLACK	100	0 - 77							0 - 6.3	0 - 0.4
	Adjustable to max 1.5 mm	150	0 - 94							0 - 7.2	0 - 0.4
		200	0 - 105							0 - 7.9	0 - 0.4
YELLOW	100	0 - 77								0 - 6.3	0 - 0.4
	Adjustable to max 1.5 mm	150	0 - 94							0 - 7.2	0 - 0.4
		200	0 - 105							0 - 7.9	0 - 0.4
PERFORMANCE GRAPH	<p style="text-align: center;">Orbita Micro Sprinkler</p> 										

Recommended operating pressure is indicated by the rows highlighted in blue

SPRINKLERS

OPERATION

Pressure compensating micro sprinklers with pre-defined flow rates.
Ideal where uniform flow rates and constant diameter of throw are required.

PRODUCT FEATURES

- Pressure Compensating Micro Sprinklers
- Colour coded bases with five pre-defined flow rates are available.
30 lph (Orange), 40 lph (Blue), 50 lph (Violet), 55 lph (Green) and 80 lph (Red).

Orbita PC

Pressure Compensating Sprinklers

GENERAL APPLICATIONS

- Ideal where constant flow rate and diameter of throw is required.
Suitable for large areas that include garden beds, landscapes, vegetable gardens and agricultural applications.



Orbita PC
30 lph

Orbita PC
55 lph

ORBITA PC MICRO SPRINKLER ASSEMBLIES						
COLOUR		Colours, Flow Rates & Orifice Sizes				
		Orange	Blue	Violet	Green	Red
FLOW RATE		30 lph	40 lph	50 lph	55 lph	80 lph
ORIFICE SIZE		1.25mm	1.30 mm	1.45 mm	1.55 mm	1.65 mm
PACKAGING						
ORDER CODES	PACKS	203124	203134	203144	203154	203164
	BULK	020312	020313	020314	020315	020316
QUANTITY PER BAG	PACKS	25				
	BULK	500				
BAGS PER CARTON	PACKS	100				
	BULK	5				
WEIGHT PER CARTON (kg)	PACKS	14.2				
	BULK	13.7				
BASE INLET CONNECTION		10-32 UNF Thread				
DIMENSIONS OF ORBITA PC MICRO SPRINKLERS ASSEMBLED	HEIGHT	55 mm				
	WIDTH	32 mm				
	DEPTH	17 mm				
	WEIGHT	5.1 g				
MATERIAL UV STABILIZED	Frame & Base	Acetal				
	Membrane	Silicone				



FILTRATION REQUIREMENTS

- Orange and Blue Bases: 130 microns (120 mesh)
- Violet, Green and Red Bases: 200 microns (80 mesh)

ORBITA PC MICRO SPRINKLERS					
METRIC PERFORMANCE DATA				PERFORMANCE GRAPH	
PRESSURE COMPENSATING MICRO SPRINKLERS	BASE COLOUR AND FLOW RATE	PRESSURE kPa	FLOW RATE lph	DIAMETER OF THROW (m)	STREAM HEIGHT (m)
	ORANGE 30 lph	150	33.4	3.2	0.3
		200	34.2	3.4	0.3
		250	32.9	3.4	0.3
		300	32.0	3.4	0.3
	BLUE 40 lph	150	38.1	3.6	0.3
		200	41.2	3.8	0.3
		250	41.6	3.8	0.3
	VIOLET 50 lph	150	46.0	3.8	0.4
		200	49.4	4.0	0.4
250		48.6	4.0	0.4	
GREEN 55 lph	150	49.6	4.0	0.4	
	200	53.2	4.2	0.4	
	250	57.1	4.4	0.4	
RED 80 lph	250	58.4	4.4	0.4	
	300	56.2	4.4	0.4	
	150	68.0	5.4	0.4	
200	78.9	5.8	0.4		
250	84.8	6.0	0.4		
300	84.2	6.0	0.4		

Orbita PC Micro Sprinklers
Pressure Compensating Micro Sprinklers

Recommended Operating Pressure 150 kpa to 300 kpa - Tested 200 mm above Ground Level