



Orbita Micro Sprinklers

Micro Sprinklers

FEATURES and BENEFITS

- The Strong “C” frame design allows for excellent water distribution uniformity.
- 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.
- 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**, an 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 and 310 mm.

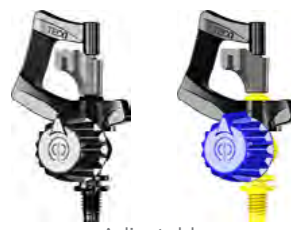
APPLICATIONS

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



Standard
Red Base

Inverted
Green Base



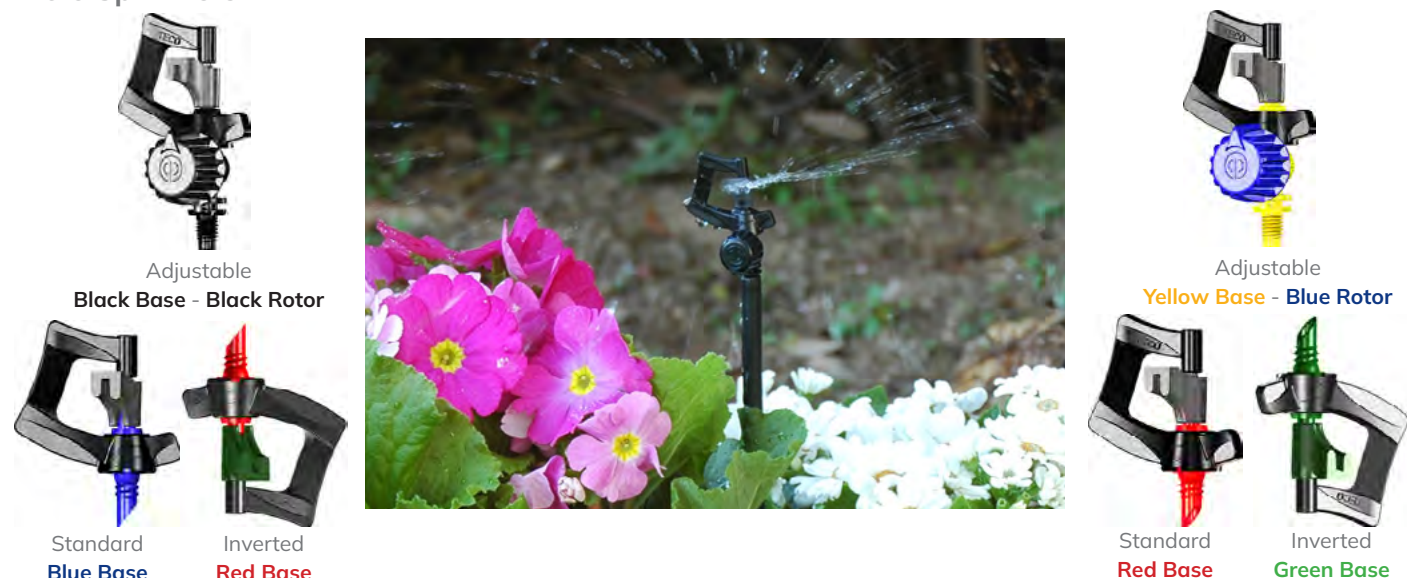
Adjustable



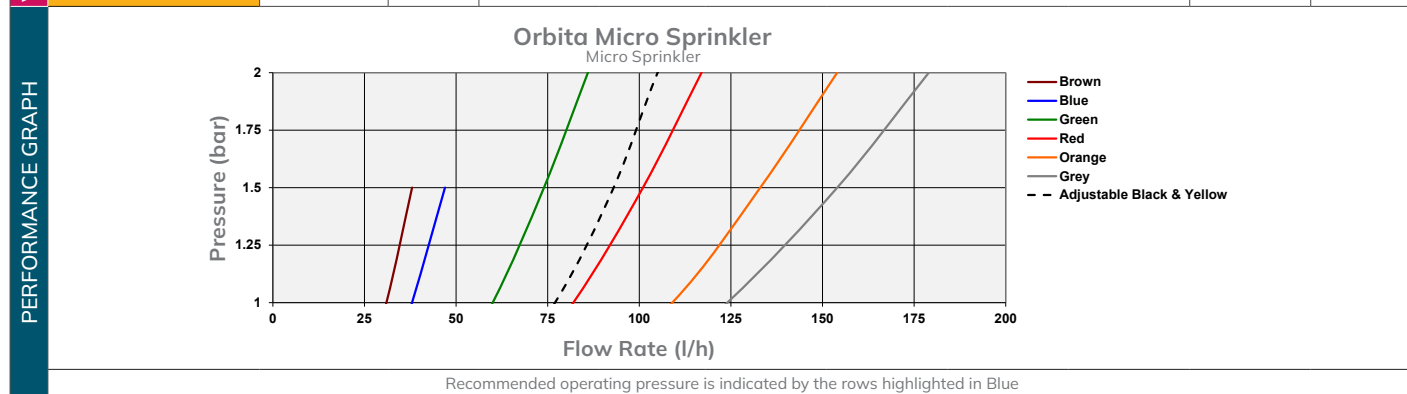
Orbita Micro Sprinklers

Orbita Micro Sprinklers															
Base Colour Base Outlet Size (mm)		Standard						Inverted				Adjustable		Spike	
		Brown 0.9	Blue 1.0	Green 1.3	Red 1.5	Orange 1.8	Grey 2.0	Brown 0.9	Blue 1.0	Green 1.3	Red 1.5	Black 0 to 1.5	Yellow 0 to 1.5	Red 0 to 1.5	Red 0 to 1.5
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	13.9						15.1				11.5		9.6	8.4
Base Inlet Connection		"FAST" Thread						"FAST" Thread				10-32 UNF Thread		4.5 mm Barb	
Dimensions Assembled (mm)	Height	41						41				53		415	525
	Width	33						33				33		33	33
	Depth	12						12				23		23	23
	Weight (g)	2.3						2.3				4.0		43.5	47.1
Material		U.V. Stabilized													

Micro Sprinklers



Micro Sprinklers																			
PERFORMANCE DATA				Standard		Inverted		Spike		Adjustable									
								200 mm	310 mm										
																			
				Tested 0.2 m above Ground Level		Tested 0.8 m above Ground Level	Tested 2 m above Ground Level	Tested 0.3 m above Ground Level	Tested 0.4 m above Ground Level	Tested 0.2 m above Ground Level									
PRESSURE COMPENSATING SPRINKLERS	BASE COLOUR AND BASE OUTLET SIZE	PRESSURE (bar)	FLOW (l/h)	DIAMETER OF THROW (m)	STREAM HEIGHT (m)	DIAMETER OF THROW (m)		DIAMETER OF THROW (m)		DIAMETER OF THROW (m)	STREAM HEIGHT (m)								
	BROWN 0.9 mm	1.0	31	5.3	0.2	4.0	5.4												
		1.25	35	5.5	0.3	4.1	5.7												
		1.5	38	5.6	0.4	4.2	5.8												
	BLUE 1.0 mm	1.0	36	5.4	0.2	4.1	5.6												
		1.25	42	5.6	0.3	4.2	5.8												
		1.5	47	5.7	0.4	4.3	5.9												
	GREEN 1.3 mm	1.0	60	6.0	0.4	4.2	5.7												
		1.5	74	6.7	0.5	4.5	6.1												
		2.0	86	7.2	0.5	4.8	6.5												
	RED 1.5 mm	1.0	82	6.4	0.4	4.4	5.9	6.5	6.6										
		1.5	101	7.3	0.5	4.8	6.5	7.4	7.5										
2.0		117	8.0	0.5	5.1	7.0	8.1	8.2											
ORANGE 1.5 mm	1.0	109	6.8	0.4															
	1.5	133	7.7	0.5															
	2.0	154	8.4	0.5															
GREY 2.0 mm	1.0	124	6.9	0.5															
	1.5	154	7.8	0.5															
	2.0	179	8.6	0.5															
VARIABLE FLOW	BLACK Adjustable to max. 1.5 mm	1.0	0 - 77							0 - 6.3	0 - 0.4								
		1.5	0 - 94							0 - 7.2	0 - 0.4								
		2.0	0 - 105							0 - 7.9	0 - 0.4								
	BLACK Adjustable to max. 1.5 mm	1.0	0 - 77							0 - 6.3	0 - 0.4								
		1.5	0 - 94							0 - 7.2	0 - 0.4								
		2.0	0 - 105							0 - 7.9	0 - 0.4								





Orbita Micro Sprinklers

Pressure Compensating Sprinklers

FEATURES and BENEFITS

- Pressure Compensating Micro Sprinklers with pre-defined flow rates
- Ideal where uniform flow rates and constant diameter of throw are required.
- Colour coded bases 30 lph (**Orange**), 40 lph (**Blue**), 50 lph (**Violet**), 55 lph (**Green**) and 80 lph (**Red**).

APPLICATIONS

- Suitable for large areas that include garden beds, landscapes, vegetable gardens and agriculture applications.

Orbita PC Micro Sprinklers						
Base Colour Flow Rate Base Outlet Size (mm)		Colours, Flow Rates & Orifice Sizes				
		Orange	Blue	Violet	Green	Red
		30 l/h	40 l/h	50 l/h	55 l/h	80 l/h
Base Outlet Size (mm)		1.25	1.30	1.45	1.55	1.65
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 Assembled (mm)	Height	55				
	Width	32				
	Depth	17				
	Weight (g)	5.1				
Material		U.V. Stabilized				



Orbita PC
30 l/h

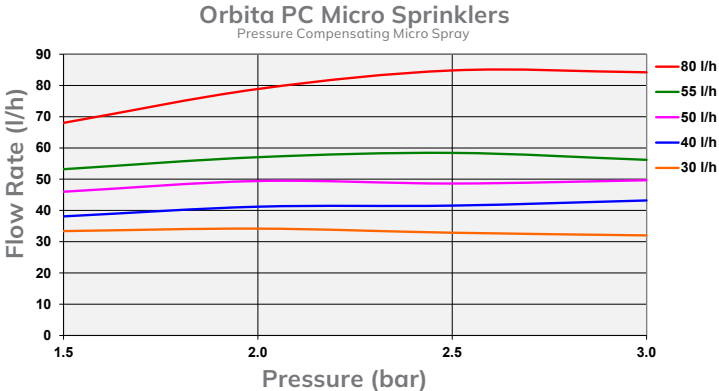


Orbita PC
55 l/h

FILTRATION REQUIREMENTS

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

Orbita PC Micro Sprinklers					
PERFORMANCE DATA					
PRESSURE COMPENSATING MICRO SPRINKLERS	BASE COLOUR AND FLOW RATE	PRESSURE	FLOW	DIAMETER OF THROW (m)	STREAM HEIGHT (m)
		(bar)	(l/h)		
	ORANGE 30 l/h	1.5	33.4	3.2	0.3
		2.0	34.2	3.4	0.3
		2.5	32.9	3.4	0.3
		3.0	32.0	3.4	0.3
	BLUE 40 l/h	1.5	38.1	3.6	0.3
		2.0	41.2	3.8	0.3
		2.5	41.6	3.8	0.3
	VIOLET 50 l/h	3.0	43.2	3.8	0.3
		1.5	46.0	3.8	0.4
		2.0	49.4	4.0	0.4
		2.5	48.6	4.0	0.4
	GREEN 55 l/h	3.0	49.6	4.0	0.4
		1.5	53.2	4.2	0.4
		2.0	57.1	4.4	0.4
	RED 80 l/h	2.5	58.4	4.4	0.4
		3.0	56.2	4.4	0.4
		1.5	68.0	5.4	0.4
		2.0	78.9	5.8	0.4
		2.5	84.8	6.0	0.4
		3.0	84.2	6.0	0.4
Recommended operating pressure 1.5 to 3.0 bar - Tested 200 mm above Ground Level					



Orbita Micro Sprinklers

Micro Sprinklers

FEATURES and BENEFITS

- Two Orbita micro sprinkler models available: **Standard** and **Inverted**
- Eight colour coded barbed bases to choose from for both models.
- Base colour identifies the flow rate.
- Strong “C” frame design allows for excellent water distribution uniformity.
- 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.

APPLICATIONS

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



Standard
Green Base

Inverted
Red Base



Standard
Blue Base

Inverted
Green Base

Orbita Micro Sprinklers with 4.5 mm Barbed Base																	
Base Colour Base Outlet Size (mm)		Standard								Inverted							
		Black	Brown	Blue	Green	Red	Orange	Grey	White	Black	Brown	Blue	Green	Red	Orange	Grey	White
PACKAGING																	
Order Codes	Packs	208395	208405	208415	208425	208435	208445	208455	208465	208475	208485	208495	208505	208515	208525	208535	208545
	Bulk	020839	020840	020841	020842	020843	020844	020845	020846	020847	020848	020849	020850	020851	020852	020853	020854
Quantity per Bag	Packs	50								50							
	Bulk	500								500							
Bags per Carton	Packs	120								120							
	Bulk	12								12							
Weight per Carton (kg)	Packs	15.8								15.9							
	Bulk	15.3								15.4							
Base Inlet Connection		4.5 mm Barb															
Dimensions Assembled (mm)	Height	415															
	Width	33															
	Depth	12															
	Weight (g)	2.4															
Material		U.V. Stabilized															



Orbita Micro Sprinklers

Inverted Micro Sprinkler Assemblies

FEATURES and BENEFITS

- The Strong “C” frame design allows for excellent water distribution uniformity.
- Inverted Orbita Micro Sprinkler with barbed base.
- Eight colour coded bases to choose from
- Base colour identifies the flow rate.
- During rotation the spinner is supported between two bearings.
- The spinner on the inverted sprinkler has a cover that protects the bottom bearing from dust.
- A Counter Weight keeps the assembly stable and upright. The Counter Weight also aids with the insertion of the Winged Adaptor to the supply tube.
- 500 mm of Flexible PVC Tube allows the assembly to be suspended in a vertical position above plants and foliage.
- The Winged Adaptor may be inserted into the supply tube by a thread or barb.

APPLICATIONS

- Agricultural applications and greenhouses.

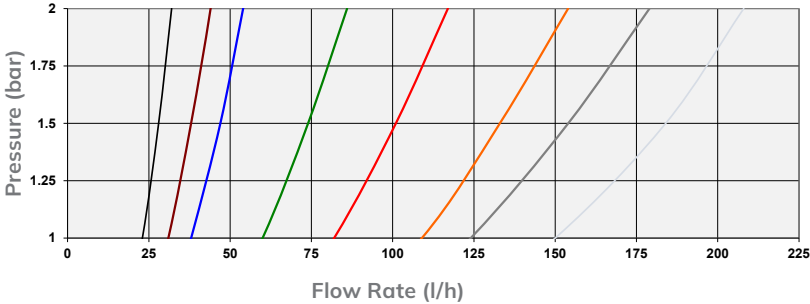


Inverted Orbita Micro Sprinklers									
Base Colour		Inverted Orbita Micro Sprinkler with Counter Weight, 500 mm FPVC and Micro Adaptor							
		Black	Brown	Blue	Green	Red	Orange	Grey	White
Base Outlet Size (mm)		0.8	0.9	1.0	1.3	1.5	1.8	2.0	2.3
PACKAGING									
Order Codes	Packs	208552	208562	208572	208582	208592	208602	208612	208622
	Bulk	020855	020856	020857	020858	020859	020860	020861	020862
Quantity per Bag	Packs	10							
	Bulk	200							
Bags per Carton	Packs	20							
	Bulk	1							
Weight per Carton (kg)	Packs	15.8							
	Bulk	15.3							
Base Inlet Connection		4.5 mm Barb							
Dimensions Assembled (mm)	Height	550							
	Width	37							
	Depth	29							
	Weight (g)	59.5							
Material		U.V. Stabilized							



Orbita Micro Sprinklers							
PERFORMANCE DATA				Standard		Inverted	
							
				Tested 0.2 m above Ground Level		Tested 0.8 m above Ground Level	Tested 2 m above Ground Level
PRESSURE COMPENSATING SPRINKLERS	BASE COLOUR AND BASE OUTLET SIZE	PRESSURE (bar)	FLOW (l/h)	DIAMETER OF THROW (m)	STREAM HEIGHT (m)	DIAMETER OF THROW (m)	
	BLACK 0.8 mm	1.0	23	5.2	0.2	3.9	5.2
		1.25	25	5.4	0.3	4.0	5.5
		1.5	28	5.5	0.4	4.1	5.6
	BROWN 0.9 mm	1.0	31	5.3	0.2	4.0	5.4
		1.25	35	5.5	0.3	4.1	5.7
		1.5	38	5.6	0.4	4.2	5.8
	BLUE 1.0 mm	1.0	36	5.4	0.2	4.1	5.6
		1.25	42	5.6	0.3	4.2	5.8
		1.5	47	5.7	0.4	4.3	5.9
	GREEN 1.3 mm	1.0	60	6.0	0.4	4.2	5.7
		1.5	74	6.7	0.5	4.5	6.1
		2.0	86	7.2	0.5	4.8	6.5
	RED 1.5 mm	1.0	82	6.4	0.4	4.4	5.9
		1.5	101	7.3	0.5	4.8	6.5
		2.0	117	8.0	0.5	5.1	7.0
	ORANGE 1.5 mm	1.0	109	6.8	0.4	4.5	6.3
		1.5	133	7.7	0.5	5.0	6.8
		2.0	154	8.4	0.5	5.2	7.2
PERFORMANCE GRAPH	GREY 2.0 mm	1.0	124	6.9	0.5	4.6	6.4
		1.5	154	7.8	0.5	5.1	6.9
		2.0	179	8.6	0.5	5.3	7.3
	WHITE 2.3 mm	1.0	150	6.9	0.5	4.7	6.5
		1.5	184	7.8	0.5	5.2	7.0
		2.0	208	8.5	0.5	5.4	7.4

Orbita Micro Sprinkler
Micro Sprinklers with Barbed Base



Black

Brown

Blue

Green

Red

Orange

Grey

White

Recommended operating pressure is indicated by the rows highlighted in Blue



Inverted Orbita Micro Sprinkler with Counter Weight & 500 mm FPVC Tube