

Tornado Ray Jet



Rivulis Tornado Ray Jet: No moving parts to break, jam, or wear out

- Ideal for Orchards
- Use in inverted position for young trees and reduced wetting pattern. As the crop matures, change to upright for full wetting pattern
- Best clogging resistance and reliability due to it's vortex chamber

Rivulis Tornado Ray Jet

No moving parts to break, jam, or wear out

Available in a wide range options including:

3 x Wetting Patterns:

180° (8 jet streams) for landscape applications

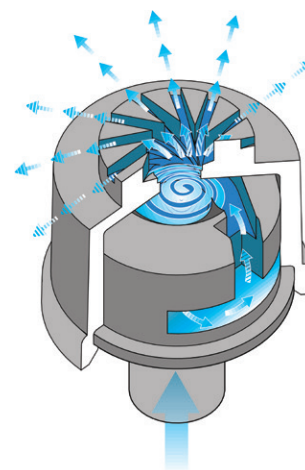
300° (10 jets) to protect tree trunks

360° (12 jets) for full wetting pattern

Standard Tornado plus take-apart options that can be used with a pressure regulator for sloping terrain available.

Product Information

Technical Data	
Operating pressure range	1.5 - 3.0 bar
Pressure (for flow rate calculation)	1.5 bar
Filtration requirements	
≤ 40 lph:	130 micron / 120 mesh
40 – 70 lph:	200 micron / 80 mesh
> 70 lph:	250 micron / 60 mesh



Vortex Chamber



8 jets (180° Option)

Perfect for landscape applications for placement on the edge to irrigate garden beds while keeping footpaths dry



Use inverted for young trees for reduced wetting pattern.

As the crop matures change to upright position

How to Use

- Tornado Ray Jet sprayer with 5 mm threaded inlet stem fits the 4x7 mm feeder tube and the Clip Hammer stake
- Tornado Ray Jet sprayer with conic male inlet stem matches the Rivulis Meteor adapter (#71) with conic female outlet.
- Take apart vortex nozzle, assembled with a ray jet grooved cap on the Rivulis Meteor adapter (#46).

Performance Information

Rivulis Tornado Ray Jet | Maximum Number of Sprays on Irrigation Laterals (+/- 5% Flow Variation)

Nominal Flow Rate	Nozzle Color	Hose Size		Spacing Between Sprays (m)									
		ID	OD	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5
lph		mm	mm	Number of sprays									
26.7	Black	13.6	16	26	24	23	21	20	19	19	18	17	17
		15.2	17.8	32	30	28	26	25	24	23	22	21	21
		17.4	20	41	38	35	33	32	30	29	28	27	26
34	Blue	13.6	16	23	21	19	18	17	17	16	15	15	14
		15.2	17.8	28	25	24	22	21	20	19	19	18	18
		17.4	20	35	32	30	28	27	26	25	24	23	23
54	Green	13.6	16	16	15	14	13	12	12	11	11	11	10
		15.2	17.8	20	18	17	16	15	15	14	14	13	13
		17.4	20	26	23	22	21	20	19	18	17	17	16
70	Red	13.6	16	14	13	12	11	10	10	10	9	9	9
		15.2	17.8	17	16	14	14	13	12	12	11	11	11
		17.4	20	22	20	19	17	17	16	15	15	14	14

Rivulis Tornado Flow Rate / Pressure

Flow rate (lph)				
Pressure (bar)	Black 26.7	Blue 34	Green 54	Red 70
1.5	26.8	33.7	54.2	69.4
2.0	30.4	38.5	62.0	79.6
2.5	33.8	42.6	68.9	88.5
3.0	36.8	46.6	75.3	96.4

Flow of different Tornado

Flow rate (lph)				
Product	Black	Blue	Green	Red
Tornado Take-apart*	29	37	59	74
Tornado Take Apart with Pressure Regulator 1.5 bar	29	37	57	73

* At 1.5 bar

Product List

Rivulis Tornado Ray Jet Heads								
Product Description	Flow rate @ 1.5 bar (lph)	Nozzle Colour & Size (mm)	Wetting Pattern	Inlet Connection	Wetting Diameter (m)*	Quantity (bag)	Product Number	
Tornado Ray Jet 26.7 lph 5 mm threaded	26.7	Black 0.9	360°	5 mm threaded	2.4	500	101070880	
Tornado Ray Jet 34 lph 5 mm threaded	34	Blue 1.3			3.2	500	201000080	
Tornado Ray Jet 54 lph 5 mm threaded	54	Green 1.7			3.6	500	101070882	
Tornado Ray Jet 70 lph 5 mm threaded	70	Red 2.0			4.2	500	201000082	
Tornado Ray Jet 26.7 lph Male conic	26.7	Black 0.9	360°	Male conic	2.4	500	101070886	
Tornado Ray Jet 34 lph Male conic	34	Blue 1.3			3.2	500	101003355	
Tornado Ray Jet 54 lph Male conic	54	Green 1.7			3.6	500	101070887	
Tornado Ray Jet 70 lph Male conic	70	Red 2.0			4.2	500	101003356	
Tornado Ray Jet 26.7 lph 300° 5 mm threaded	26.7	Black 0.9	300°	5 mm threaded	3.2	500	101070884	
Tornado Ray Jet 34 lph 300° 5 mm threaded	34	Blue 1.3			3.8	500	201000083	
Tornado Ray Jet 54 lph 300° 5 mm threaded	54	Green 1.7			4.2	500	101070889	
Tornado Ray Jet 70 lph 300° 5 mm threaded	70	Red 2.0			6.0	500	201000088	
Tornado Ray Jet 26.7 lph 300° Male conic	26.7	Black 0.9	300°	Male conic	3.2	500	101018423	
Tornado Ray Jet 34 lph 300° Male conic	34	Blue 1.3			3.8	500	101009616	
Tornado Ray Jet 54 lph 300° Male conic	54	Green 1.7			4.2	500	101018424	
Tornado Ray Jet 70 lph 300° Male conic	70	Red 2.0			6.0	500	101028566	
Tornado Ray Jet 26.7 lph 180° 5 mm threaded	26.7	Black 0.9	180°	5 mm threaded	3.6	500	101070885	
Tornado Ray Jet 34 lph 180° 5 mm threaded	34	Blue 1.3			4.2	500	201000086	
Tornado Ray Jet 54 lph 180° 5 mm threaded	54	Green 1.7			5.6	500	101070888	
Tornado Ray Jet 70 lph 180° 5 mm threaded	70	Red 2.0			6.6	500	201000087	

Rivulis Tornado Ray Jet Heads

Product Description	Flow rate @ 1.5 bar (lph)	Nozzle Color & Size (mm)	Wetting Pattern	Inlet Connection	Wetting Diameter (m)*	Quantity (bag)	Product Number
Tornado Ray Jet 26.7 lph 180° Male conic	26.7	Black 0.9	180°	Male conic	3.6	500	201003431
Tornado Ray Jet 34 lph 180° Male conic	34	Blue 1.3			4.2	500	201003432
Tornado Ray Jet 54 lph 180° Male conic	54	Green 1.7			5.6	500	201003433
Tornado Ray Jet 70 lph 180° Male conic	70	Red 2.0			6.6	500	101018425



*Upright position, 25 cm above ground, 1.5 bar

Tornado Ray Jet Complete Assemblies

Product Description	Flow rate @ 1.5 bar (lph)	Nozzle Colour & Size (mm)	Wetting Pattern	Assembly	Wetting Diameter (m) Upright position, 25 cm above ground, 1.5 bar	Quantity (bag)	Product Number
Tornado Ray Jet 26.7 lph Assembly	26.7	Black 0.9	360°	PE 4x7mm 60cm tube + Cantad Stake + 4x7 Blue Barb Coupling	2.4	250	101070890
Tornado Ray Jet 34 lph Assembly	34	Blue 1.3			3.2	250	101028591
Tornado Ray Jet 54 lph Assembly	54	Green 1.7			3.6	250	CONSULT
Tornado Ray Jet 70 lph Assembly	70	Red 2.0			4.2	250	101028593
Tornado Ray Jet 26.7 lph 300° Assembly	26.7	Black 0.9	300°		3.2	250	CONSULT
Tornado Ray Jet 34 lph 300° Assembly	34	Blue 1.3			3.8	250	101028601
Tornado Ray Jet 54 lph 300° Assembly	54	Green 1.7			4.2	250	CONSULT
Tornado Ray Jet 70 lph 300° Assembly	70	Red 2.0			6.0	250	CONSULT
Tornado Ray Jet 26.7 lph 180° Assembly	26.7	Black 0.9	180°		3.6	250	101028595
Tornado Ray Jet 34 lph 180° Assembly	34	Blue 1.3			4.2	250	CONSULT
Tornado Ray Jet 54 lph 180° Assembly	54	Green 1.7			5.6	250	CONSULT
Tornado Ray Jet 70 lph 180° Assembly	70	Red 2.0			6.6	250	101048128

Rivulis Tornado Take Apart

Product Description	Flow rate (lph)	Wetting Pattern	Wetting Diameter (m) Upright position, 25 cm above ground, 1.5 bar inlet pressure	Nozzle Color & Size (mm)	Product Number	
Nozzles for use with Pressure Regulator. For non-PC applications use conic nozzles (available upon request)						
Tornado Take Apart Black Nozzle 29 lph	29	Dependent on cap used	2.4	Black 0.9	201000743	
Tornado Take Apart Blue Nozzle 37 lph	37		3.2	Blue 1.3	201000744	
Tornado Take Apart Green Nozzle 59 lph	59		3.6	Green 1.7	201000745	
Tornado Take Apart Red Nozzle 74 lph	74		4.2	Red 2.0	201000746	
Caps						
Take Apart Ray Jet Cap (360°)		360°			201000753	
Take Apart Ray Jet Cap (300°)		300°			201000756	

Tornado Take Apart Assemblies

Product Description	Flow rate @ 1.5 bar (lph)	Wetting Diameter (m) Upright position, 25 cm above ground, 1.5 bar	Meteor Adaptor	Tube	Stake	Quantity (bag)	Product Number
Tornado Take Apart Black 29 lph 360° Assembly	29	2.4	Multi function Meteor Adaptor 46 (3/8" F x 1/2" M x 4/7)	60 cm PE 4x7	Cantal Stake 350mm	250	101028615
Tornado Take Apart Blue 37 lph 360° Assembly	37	3.2				250	CONSULT
Tornado Take Apart Green 59 lph 360° Assembly	59	3.6				250	CONSULT
Tornado Take Apart Red 74 lph 360° Assembly	74	4.2				250	101022178
Tornado Take Apart Black 29 lph 300° Assembly	29	3.2				250	101048129
Tornado Take Apart Blue 37 lph 300° Assembly	37	3.8				250	101062066
Tornado Take Apart Green 59 lph 300° Assembly	59	4.2				250	101048131
Tornado Take Apart Red 74 lph 300° Assembly	74	6				250	101048132

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