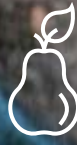


Tornado Ray Jet



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.



Vortex Chamber



8 jets (180° Option)
Perfect for landscape applications for placement on the edge to irrigate garden beds while keeping footpaths dry

Product Information

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



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	Wetting Diameter	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
l/h		m	mm	mm	Number of sprays									
25*	Black	2.4	13.6	16	26	24	22	21	20	19	18	18	17	16
			15.2	17.8	32	29	27	26	24	23	22	22	21	20
			17.4	20	40	37	34	33	31	30	28	27	27	26
34	Blue	3.2	13.6	16	20	19	18	17	16	15	14	14	13	13
			15.2	17.8	25	23	21	20	19	18	18	17	16	16
			17.4	20	32	29	27	26	25	23	23	22	21	20
55	Green	3.6	13.6	16	15	14	13	12	12	11	11	10	10	10
			15.2	17.8	19	17	16	15	14	14	13	13	12	12
			17.4	20	24	22	21	19	18	18	17	16	16	15
70	Red	4.2	13.6	16	14	13	12	11	11	10	10	10	9	9
			15.2	17.8	18	16	15	14	13	13	12	12	11	11
			17.4	20	22	21	19	18	17	16	16	15	15	14

* Tornado take apart with black nozzle flow rate is 28 l/h. Additional specifications available upon request.

Rivulis Tornado Flow Rate / Pressure

Pressure (bar)	Flow Rate (l/h)					
	Black 25	Take Apart Black 28	Blue 34	Green 55 Conic	Green 55 Threaded	Red 70
1.5	25.6	28.0	33.9	55.7	51.6	73.3
2.0	29.5	32.4	39.8	64.3	59.0	79.3
2.5	33.0	36.0	45.1	71.8	65.7	87.0
3.0	36.2	39.4	50.0	78.6	71.6	93.9

Product List

Rivulis Tornado Ray Jet Heads							
Product Description	Flow rate @ 1.5 bar (l/h)	Nozzle Colour & Size (mm)	Wetting Pattern	Inlet Connection	Wetting Diameter (m)*	Quantity (bag)	Product Number
Tornado Ray Jet 25 l/h 5 mm threaded	25	Black 0.9	360°	5 mm threaded	2.4	500	201000079
Tornado Ray Jet 34 l/h 5 mm threaded	34	Blue 1.3			3.2	500	201000080
Tornado Ray Jet 52 l/h 5 mm threaded	52	Green 1.7			3.6	500	CONSULT
Tornado Ray Jet 70 l/h 5 mm threaded	70	Red 2.0			4.2	500	201000082
Tornado Ray Jet 25 l/h Male conic	25	Black 0.9	360°	Male conic	2.4	500	201000077
Tornado Ray Jet 34 l/h Male conic	34	Blue 1.3			3.2	500	101003355
Tornado Ray Jet 55 l/h Male conic	55	Green 1.7			3.6	500	201000078
Tornado Ray Jet 70 l/h Male conic	70	Red 2.0			4.2	500	101003356
Tornado Ray Jet 25 l/h 300° 5 mm threaded	25	Black 0.9	300°	5 mm threaded	3.2	500	101003361
Tornado Ray Jet 34 l/h 300° 5 mm threaded	34	Blue 1.3			3.8	500	201000083
Tornado Ray Jet 52 l/h 300° 5 mm threaded	52	Green 1.7			4.2	500	201015903
Tornado Ray Jet 70 l/h 300° 5 mm threaded	70	Red 2.0			6.0	500	201000088
Tornado Ray Jet 25 l/h 300° Male conic	25	Black 0.9	300°	Male conic	3.2	500	101018423
Tornado Ray Jet 34 l/h 300° Male conic	34	Blue 1.3			3.8	500	101009616
Tornado Ray Jet 55 l/h 300° Male conic	55	Green 1.7			4.2	500	101018424
Tornado Ray Jet 70 l/h 300° Male conic	70	Red 2.0			6.0	500	101028566
Tornado Ray Jet 25 l/h 180° 5 mm threaded	25	Black 0.9	180°	5 mm threaded	3.6	500	201000085
Tornado Ray Jet 34 l/h 180° 5 mm threaded	34	Blue 1.3			4.2	500	201000086
Tornado Ray Jet 52 l/h 180° 5 mm threaded	52	Green 1.7			5.6	500	CONSULT
Tornado Ray Jet 70 l/h 180° 5 mm threaded	70	Red 2.0			6.6	500	201000087



Rivulis Tornado Ray Jet Heads

Product Description	Flow rate @ 1.5 bar (l/h)	Nozzle Color & Size (mm)	Wetting Pattern	Inlet Connection	Wetting Diameter (m)*	Quantity (bag)	Product Number
Tornado Ray Jet 25 l/h 180° Male conic	25	Black 0.9	180°	Male conic	3.6	500	201003431
Tornado Ray Jet 34 l/h 180° Male conic	34	Blue 1.3			4.2	500	201003432
Tornado Ray Jet 55 l/h 180° Male conic	55	Green 1.7			5.6	500	201003433
Tornado Ray Jet 70 l/h 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 (l/h)	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 25 l/h Assembly	25	Black 0.9	360°	PE 4x7mm 60cm tube + Cantad Stake + 4x7 Blue Barb Coupling	2.4	250	101028590
Tornado Ray Jet 34 l/h Assembly	34	Blue 1.3			3.2	250	101028591
Tornado Ray Jet 52 l/h Assembly	52	Green 1.7			3.6	250	CONSULT
Tornado Ray Jet 70 l/h Assembly	70	Red 2.0			4.2	250	101028593
Tornado Ray Jet 25 l/h 300° Assembly	25	Black 0.9	300°		3.2	250	101028594
Tornado Ray Jet 34 l/h 300° Assembly	34	Blue 1.3			3.8	250	101028601
Tornado Ray Jet 52 l/h 300° Assembly	52	Green 1.7			4.2	250	CONSULT
Tornado Ray Jet 70 l/h 300° Assembly	70	Red 2.0			6.0	250	CONSULT
Tornado Ray Jet 25 l/h 180° Assembly	25	Black 0.9	180°		3.6	250	101028595
Tornado Ray Jet 34 l/h 180° Assembly	34	Blue 1.3			4.2	250	CONSULT
Tornado Ray Jet 52 l/h 180° Assembly	52	Green 1.7			5.6	250	CONSULT
Tornado Ray Jet 70 l/h 180° Assembly	70	Red 2.0			6.6	250	CONSULT

Rivulis Tornado Take Apart

Product Description	Flow rate (l/h)	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 28 l/h	28	Dependent on cap used	2.4	Black 0.9	201000743
Tornado Take Apart Blue Nozzle 43 l/h	34		3.2	Blue 1.3	201000744
Tornado Take Apart Green Nozzle 55 l/h	55		3.6	Green 1.7	201000745
Tornado Take Apart Red Nozzle 70 l/h	70		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 (l/h)	Wetting Diameter (m) Upright position, 25 cm above ground, 1.5 bar	Meteor Adaptor	Tube	Stake	Quantity (bag)	Product Number
Tornado Take Apart Black 28 l/h 360° Assembly	28.0	2.4	Multi function Meteor Adaptor 46 (3/8" F x 1/2" M x 4/7)	60 cm PE 4x7	Cantal Stake	250	101028615
Tornado Take Apart Blue 34 l/h 360° Assembly	34.0	3.2				250	101028605
Tornado Take Apart Green 55 l/h 360° Assembly	55.0	3.6				250	101028606
Tornado Take Apart Red 70 l/h 360° Assembly	70.0	4.2				250	101022178
Tornado Take Apart Black 28 l/h 300° Assembly	28.0	3.2				250	CONSULT
Tornado Take Apart Blue 34 l/h 300° Assembly	34.0	3.8				250	101062066
Tornado Take Apart Green 55 l/h 300° Assembly	55.0	4.2				250	CONSULT
Tornado Take Apart Red 70 l/h 300° Assembly	70.0	6				250	CONSULT

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