

JFR Jet



Rivulis JFR Jet: The leading pressure compensated jet sprayer with anti-insect built in

Ideal for orchards with long run lengths or sloping ground

Product Information

Technical Data	
Operating pressure range	1.3 - 1.5 bar
Wetting pattern	360°, 300° & 180°
Pressure Compensating (PC)	Yes
Filtration requirements	
≤ 40 lph:	130 micron / 120 mesh
40 - 70 lph:	200 micron / 80 mesh
> 70 lph:	250 micron / 60 mesh



Rivulis JFR | Maximum Recommended Number of Sprays Per Lateral

Nozzle Size	Nozzle Color	Flow Rate	Wetting Diameter	Jet Spacing	Pipe Diameter (mm)								
					OD 16 / ID 13.6			OD 17.8 / ID 15.2			OD 20 / ID 17.4		
					Lateral Inlet Pressure (bar)								
					1.6	2.0	3.0	1.6	2.0	3.0	1.6	2.0	3.0
lph		lph	m*	m	Number of sprays								
0.85	Black	23.0	3.2	3	14	26	38	18	33	49	22	40	60
				4	13	23	35	17	30	44	20	36	54
				5	12	22	32	16	28	41	19	34	50
1.0	Blue	30.0	4.0	3	13	24	36	16	29	43	20	36	54
				4	12	21	32	15	26	39	18	33	49
				5	11	20	30	13	24	36	17	30	45
1.1	Dark Blue	41.5	4.0	3	11	20	29	13	24	35	17	30	45
				4	10	18	26	12	21	32	15	27	40
				5	9	16	24	11	20	29	14	25	37
1.2	Green	53.0	4.4	4	8	15	22	10	18	27	13	23	34
				5	8	14	21	9	17	25	12	21	31
				6	7	13	19	9	16	23	11	20	29
1.4	Red	70.0	6.4	4	7	13	19	8	15	23	11	19	29
				5	6	12	17	8	14	21	10	18	26
				6	6	11	16	7	13	20	9	17	25
1.6	White	95.0	6.4	4	5	9	14	6	11	17	8	14	22
				5	4	8	13	5	10	16	7	13	20
				6	4	8	12	5	10	15	7	12	19

* Nozzle at 25 cm above ground level, 360° Spray pattern.

JFR Assemblies

Save labor and time with Rivulis JFR pre-assembled jets with 60 cm tube and 35 cm Cantal Stake

Pressure Compensated

JFR is the only Rivulis Jet for orchards that features pressure compensation (PC).

The PC mechanism incorporates a diaphragm into each jet that regulates the pressure to deliver the same flow-rate from every jet. The result is excellent uniformity, regardless of pressure changes from sloping terrain and pressure variations along the lengths of tube.

Product List

Rivulis JFR Heads									
Product Description	Inlet Connection	Pattern	Color Head	Flow Rate (lph)	Nozzle Color	Spray Diameter at 25 cm Elevation	Quantity (bag)	Quantity (box)	Product Number
JFR 23 lph 360°	3/8"	360°	Black	23	Black	3.2	1000	4000	101003502
JFR 30 lph 360°				30	Blue	4.0	1000	4000	101003503
JFR 41 lph 360°				41.5	Dark Blue	4.0	1000	4000	201000157
JFR 53 lph 360°				53	Green	4.4	1000	4000	201000156
JFR 70 lph 360°				70	Red	6.4	1000	4000	101003504
JFR 95 lph 360°				95	White	6.4	1000	4000	101003509

Product List

Rivulis JFR Heads (continued)									
Product Description	Inlet Connection	Pattern	Color Head	Flow Rate (lph)	Nozzle Color	Spray Radius (m) at 25cm Elevation	Quantity (bag)	Quantity (box)	Product Number
JFR 23 lph 300°	3/8"	300°	Orange	23	Black	1.8	1000	4000	101003505
JFR 30 lph 300°				30	Blue	2.1	1000	4000	101003507
JFR 41 lph 300°				41.5	Dark Blue	2.2	1000	4000	101003506
JFR 53 lph 300°				53	Green	2.3	1000	4000	101003512
JFR 70 lph 300°				70	Red	3.0	1000	4000	101003508
JFR 95 lph 300°				95	White	3.1	1000	4000	101003513
JFR 23 lph 180°		180°	Red	23	Black	2.1	1000	4000	101003510
JFR 30 lph 180°				30	Blue	2.0	1000	4000	101003514
JFR 41 lph 180°				41.5	Dark Blue	2.2	1000	4000	101003511
JFR 53 lph 180°				53	Green	2.5	1000	4000	101003515
JFR 70 lph 180°				70	Red	2.8	1000	4000	101003516
JFR 95 lph 180°				95	White	3.3	1000	4000	101003517

Case study outcomes are for information purposes only and actual results may vary. This literature has been compiled for worldwide circulation and the descriptions, photos, and information are for general purpose use only. Please consult with an irrigation specialist and technical specifications for proper use of Rivulis products. Because some products are not available in all regions, please contact your local dealer for details. Rivulis reserves the right to change specifications and the design of all products without notice. Every effort has been used to ensure that product information, including data sheets, schematics, manuals and brochures are correct. However information should be verified before making any decisions based on this information.