

MODULAR GROUP



Complete range of micro-sprinklers
and micro-jets

APPLICATIONS

- Irrigation in orchards, vegetables and gardens
- Irrigation in greenhouses and shade houses
- Cooling of poultry and livestock

STRUCTURE AND FEATURES

Broad range of wetted diameters and flow rates

- Full- and part-circle patterns
- Small, medium or large droplets produced by different sprayers, swivels or anti-mist devices



Jardi Modular
with unique mini-valve

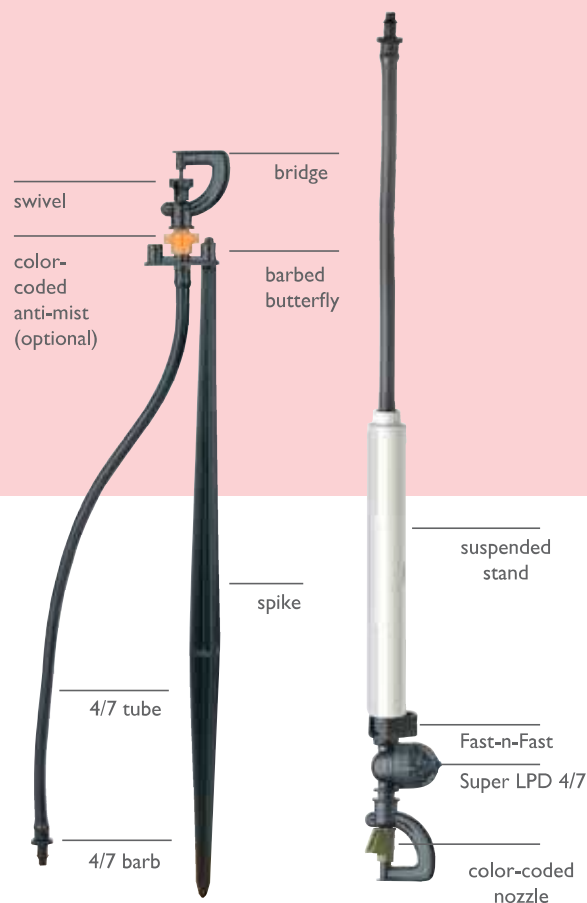


TECHNICAL DATA

- Recommended working pressure: 1.5-3.0 bar
- Flow rate: 25-400 l/h
- Wetted diameter: 1-10 m
- Filtration requirement: 130 micron for purple and brown nozzles
200 micron for other nozzles

MODULAR NOZZLE AND FLOW RATE VS. PRESSURE

Color	Flow rate (l/h)	Nozzle ID (mm)	Pressure (bar)					
			1.0	1.5	2.0	2.5	3.0	3.5
Violet	35	0.82	25	30	35	39	43	46
Brown	43	0.94	32	37	43	50	55	60
Grey	70	1.16	49	60	70	78	86	93
Green	105	1.41	74	90	105	117	129	139
Orange	120	1.50	85	105	120	134	147	159
Yellow	160	1.73	113	140	160	179	196	212
Blue	200	1.92	141	170	200	224	245	265
Ivory	235	2.07	166	204	235	263	288	311
Red	260	2.18	184	225	260	291	318	344
Black	300	2.34	212	260	300	335	367	397



WETTED DIAMETER (m) AT 2.0 BAR AND 0.25 m ABOVE GROUND LEVEL

Anti-mist color (Ø)	Nozzle color	Flow rate (l/h)	Nozzle ID (mm)	Static Spreaders							Swivels						
				90°	180°	Mist sprayer	Strip	Close-range spreader	Flat	12 Jet	Small black	Anti-ant	One sided black	One sided blue	Big orange	Inverted	
																	Height (m)
															0.60	1.80	
	Violet	35	0.82	1.7	2.2	1.5	3.2	0.9	2.8	3.4	5.5	6.0	6.5			5.0	6.0
	Brown	43	0.94	1.7	2.5	1.8	4.2	0.9	3.4	4.5	5.5	6.0	6.5			5.5	6.5
	Grey	70	1.16	2.5	2.7		8.5	0.9	3.4	5.5	6.0	6.5	7.5			6.5	7.5
	Green	105	1.41	3.5	2.7		9.0	0.9	3.4	6.0	6.0	7.0	7.5		9.0	8.0	8.5
	Orange	120	1.50	4.5	2.7		9.0	0.9	4.0	6.0	6.0	7.0	8.0		9.0	8.0	9.0
	Yellow	160	1.73								6.5	8.0	8.0	8.0	9.0	9.0	9.5
	Blue	200	1.92									8.0	8.5	8.5	9.0	9.0	10.0
	Ivory	235	2.07										8.5	9.0	10.0	9.0	10.5
	Red	260	2.18										8.5	10.0	10.0	9.0	11.0
	Black	300	2.34										9.0	10.5	10.0	9.5	11.0
Green /0.94	Green	40	1.41	2.0	1.2		2.8	0.8	3.5	2.5	4.0					4.5	6.0
Orange /1.16	Orange	70	1.50	2.2	2.2		5.0	0.8	3.5	4.5	5.0					6.0	7.5
Yellow /1.40	Yellow	90	1.73	2.5	2.5		5.5	0.9	4.0	5.0	5.5					6.0	8.0
Blue /1.50	Blue	120	1.92	2.5	2.7		7.0	1.0	4.0	6.0	6.0					6.5	8.0

Tested under laboratory conditions

* Inverted swivel tested at 0.6m and 1.8 m

** Only for upright uses

DAN-JET PC

CONNECTORS



4/7 barb



parallel



quick thread



TECHNICAL DATA

- Recommended working pressure: 1.0-3.0 bar
- Flow rate: 19-76 l/h
- Filtration requirements:
black, orange and blue nozzles -130 microns (120 mesh)
violet, green and red nozzles -200 microns (80 mesh)



Flow-regulating micro-jet

APPLICATIONS

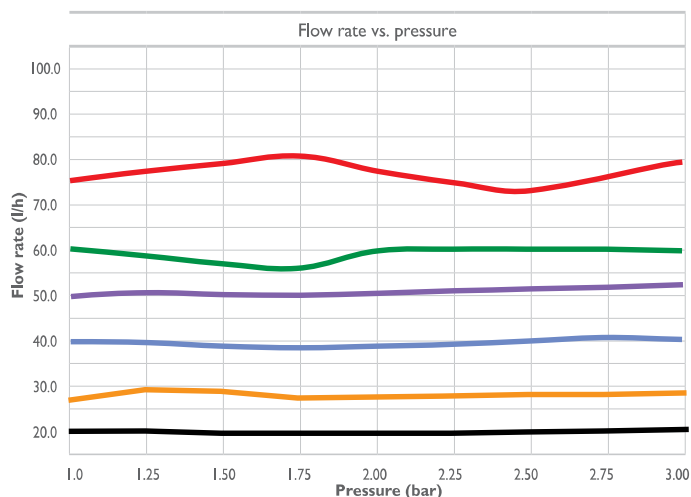
- For undertree, vineyard and landscape irrigation

STRUCTURE AND FEATURES

- Low maintenance static ray-jet
- Pressure compensating-constant flow rate over wide pressure range
- Diverse distribution patterns and wetted diameters
- High resistance to clogging
- Floating regulation membrane allows spacious water pathways
- Large number of spreader and nozzle combinations

PERFORMANCE TABLE

Nozzle color	Flow rate (l/h)	Nozzle diameter (mm)
Black	19	0.89
Orange	28	1.17
Blue	38	1.30
Violet	47	1.55
Green	57	1.65
Red	76	1.93



DISTRIBUTION PATTERNS AND DIAMETERS (m)

TESTED AT 2.0 bar, 0.25 m HEIGHT

Nozzle color	Static Spreaders								
	Strip	300°	12 jets	16 jets	20 jets	180° (radius)	Inverted*	Flat (no jets)	Strip flat (no jets)
Black	2.4	3.0	3.2	3.0	2.4	1.5	2.5	2.4	2.0
Orange	2.6	3.2	3.6	3.2	2.8	1.7	3.3	2.6	2.2
Blue	3.2	4.0	4.4	4.6	3.6	2.2	3.8	3.0	
Violet	3.8	4.4	4.8	4.8	4.0	2.4	4.0	3.1	
Green	4.8	4.8	5.0	5.0	4.6	2.7	4.3	3.4	
Red	5.0	5.6	5.4	5.4	5.2	2.8	4.8	3.6	

Tested under laboratory conditions

* tested at 0.6m above ground

TURBO-JET

CONNECTORS



4/7 barb



parallel



quick thread

Low-maintenance micro-jet

APPLICATIONS

- For orchard, vineyard and landscape irrigation



STRUCTURE AND FEATURES

- Low maintenance emitter
- High resistance to clogging
- Diverse distribution patterns and wetted diameters
- Easy to open and clean
- Unique nozzle structure creates turbulent flow and wide water pathways
- Large number of nozzle and spreader combinations

TECHNICAL DATA

- Recommended working pressure: 1.0-3.5 bar
- Flow rate: 16-110 l/h
- Filtration requirements:
black, orange and blue nozzles -130 microns (120 mesh)
violet, green and red nozzles -200 microns (80 mesh)

FLOW RATES BY NOZZLE (l/h)

Pressure (bar)	Nozzle color/diameter (mm)					
	Black 0.80	Orange 1.00	Blue 1.15	Violet 1.30	Green 1.40	Red 1.65
1.0	16	23	31	40	48	62
1.4	19	28	37	47	57	76
2.0	23	33	43	56	69	88
2.5	25	36	47	63	75	98
3.0	27	38	50	69	80	105
3.5	29	41	53	74	85	111

DISTRIBUTION PATTERNS AND DIAMETERS (m)

TESTED AT 1.4 & 2.0 bar, 0.25 m HEIGHT

Nozzle color	Static Spreaders																	
	Strip		300°		12 jets		16 jets		20 jets		180° (radius)		Inverted*		Flat (no jets)		Strip flat (no jets)	
	1.4 bar	2.0 bar	1.4 bar	2.0 bar	1.4 bar	2.0 bar	1.4 bar	2.0 bar	1.4 bar	2.0 bar	1.4 bar	2.0 bar	1.4 bar	2.0 bar	1.4 bar	2.0 bar	1.4 bar	2.0 bar
Black	2.7	3.0	3.2	3.8	3.4	4.1	3.1	4.2	3.4	3.2	1.5	2.2	2.8	3.0	2.2	2.2	2.3	2.4
Orange	3.0	3.7	4.0	4.4	4.3	4.7	4.0	5.6	3.6	4.0	1.8	2.3	3.2	3.8	2.3	2.4	2.4	2.5
Blue	3.7	4.2	4.8	5.6	4.6	4.9	4.2	6.0	3.8	4.4	2.2	2.4	3.8	4.8	2.4	2.6		
Violet	4.2	5.4	5.0	5.8	4.8	5.2	4.3	6.0	4.0	5.0	2.2	2.5	4.6	5.2	2.6	3.0		
Green	4.2	5.4	5.4	6.0	5.2	5.9	4.5	6.2	4.2	5.4	2.3	2.7	4.9	5.4	2.8	3.2		
Red	4.8	6.1	6.6	7.6	5.6	6.6	5.4	7.2	5.0	6.2	2.4	2.8	5.2	5.8	3.0	3.4		

Tested under laboratory conditions

* tested at 0.6m above ground