

# 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



**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		
	Violet	35	0.82	1.7	2.2	1.5	3.2	0.9	2.8	3.4	5.5	6.0	6.5				0.60	1.80
	Brown	43	0.94	1.7	2.5	1.8	4.2	0.9	3.4	4.5	5.5	6.0	6.5				5.0	6.0
	Grey	70	1.16	2.5	2.7		8.5	0.9	3.4	5.5	6.0	6.5	7.5				5.5	6.5
	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	6.5	7.5
	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	9.0
	Yellow	160	1.73								6.5	8.0	8.0	8.0	9.0	9.0	9.0	9.5
	Blue	200	1.92									8.0	8.5	8.5	9.0	9.0	9.0	10.0
	Ivory	235	2.07										8.5	9.0	10.0	9.0	9.0	10.5
	Red	260	2.18										8.5	10.0	10.0	9.0	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