

Model AR3™/AR3-LA™ Impact Sprinklers

Application

- Orchards
- Vineyards
- Vegetables

Innovative, constructed of durable state-of-the-art engineering plastics to ensure long life and high performance. Choice of two models for either overhead or under-tree watering.

Features

- Colour coded easy fit snap-in jets with built in stream straighteners.
- Single or double jet (high angle only) configurations.
- Special 2 washer base stack for low volume 2.4mm (White) main jet or spring loaded 3 set base washer stack for all other combinations.
- AR3 and AR3-LA fitted with 3.2mm x blank jets ex factory. All other fitted combinations made to order.
- Rear nozzles compatible with rear nozzles for the Model S-II.

Specifications

- Inlet: 15 mm MBSP.
- Trajectory: 25° high angle, 8.5° low angle model.
- Flows: From 4.5 Lpm to 26.2 Lpm.
- Diameters: 22 m to 26 m high angle, 12 m to 20 m low angle.
- Optimum pressure range 200 to 300 kPa (shown shaded)

Parts Ordering

Code	Description
1015004	Model AR3 - 25° Body only
1015004W	Model AR3 - 25° Body fitted with 2.4 main nozzle and special 2 washer stack
1015005	Model AR3-LA 8.5° Body only

Note: Jet size in millimetres



Single/double jet high angle model.



Single jet low angle model

Performance Chart - 25° High Angle, Single Jet

Pressure (kPa)	White 2.4mm		Grey 2.8mm		Green 3.2mm		Organge 3.6mm		Red 4.0mm	
	Flow (Lpm)	Dia. (m)	Flow (Lpm)	Dia. (m)	Flow (Lpm)	Dia. (m)	Flow (Lpm)	Dia. (m)	Flow (Lpm)	Dia. (m)
150	-	-	6.2	22	8.0	24	10.1	24	12.4	24
200	5.3	22	7.2	22	9.3	24	11.7	24	14.3	24
250	5.9	22	8.1	22	10.4	24	13.1	24	16.1	26
300	6.5	22	8.8	22	11.4	24	14.4	24	17.6	26
350	7.0	22	9.5	22	12.3	24	15.6	24	19.1	26
Code	10150042400		10150042800		10150043200		10150043600		10150044000	

Performance Chart - 25° High Angle, Double Jet

Pressure (kPa)	2.4 x 2.5 mm		2.8 x 3.0 mm		3.2 x 3.0 mm		3.6 x 3.0 mm		4.0 x 3.0 mm	
	Flow (Lpm)	Dia. (m)	Flow (Lpm)	Dia. (m)	Flow (Lpm)	Dia. (m)	Flow (Lpm)	Dia. (m)	Flow (Lpm)	Dia. (m)
150	8.2	22	11.2	22	13.0	24	15.8	24	17.0	24
200	9.5	22	13.0	22	15.1	24	18.2	24	19.7	24
250	10.7	22	14.5	22	16.8	24	20.5	24	22.1	26
300	11.7	22	15.9	22	18.4	24	22.4	24	24.2	26
350	12.6	22	17.2	22	19.9	24	24.2	24	26.2	26
Code	10150042425		10150042830		10150043230		10150043630		10150044030	

Performance Chart - 8.5° Low Angle, Single Jet Only

Pressure (kPa)	White 2.4 mm			Grey 2.8 mm			Green 3.2 mm			Orange 3.6 mm			Red 4.0 mm		
	Flow (Lpm)	Dia. (m)	Stream Height (m)	Flow (Lpm)	Dia. (m)	Stream Height (m)	Flow (Lpm)	Dia. (m)	Stream Height (m)	Flow (Lpm)	Dia. (m)	Stream Height (m)	Flow (Lpm)	Dia. (m)	Stream Height (m)
150	4.5	12	0.53	6.2	12	0.55	8.0	12	0.55	10.1	12	0.55	12.4	12	0.58
200	5.3	12	0.58	7.2	12	0.63	9.3	12	0.60	11.7	16	0.65	14.3	16	0.70
250	5.9	12	0.63	8.1	14	0.65	10.4	14	0.65	13.1	16	0.75	16.1	18	0.80
300	6.5	12	0.65	8.8	14	0.68	11.4	16	0.75	14.4	18	0.80	17.6	20	0.85
350	7.0	14	0.70	9.5	16	0.80	12.3	18	0.80	15.6	20	0.90	19.1	20	0.95
Code	10150052400			10150052800			10150053200			10150053600			10150054000		

Codes highlighted in RED are ex factory.

Nozzle Ordering

	Main					Rear		
Jet	2.4	2.8	3.2	3.6	4.0	2.5	3.0	Blank
Colour	White	Grey	Green	Orange	Red	Green	Yellow	Black
Code	1015081	1015082	1015083	1015084	1015085	1015069	1015071	1015068