

VYR-155



VYR-155 · Full circle AG

GENERAL PROPERTIES:

- Agricultural impact sprinkler with medium-high flow.
- 1 1/4" male connection.
- Made of brass and stainless steel.
- High-resistance rotating joints.
- Nozzles angles of 28°, 28° and 13°
- Special design for long reach.
- Used in full coverage irrigation with medium-high flow.
- Mechanical system for adjusting the spring tension to vary the rotation speed depending on the pressure used.

TECHNICAL SPECIFICATIONS:

- Range distance: 26 - 35 m / 85 - 115 ft.
- Flow: 8.500 - 22.300 L/H / 2.244 - 5.887 GPH.
- Working pressure: 4 - 8 BAR / 58-116 PSI.
- Area: Full circle.
- Nozzles: A main nozzle for long reach, a second nozzle for medium reach and a third nozzle for short reach.
- Trajectory angles: 28°, 28° and 13°
- Maximum stream height: 5.8 m / 19 ft.
- Rotation time: Adjustable. Depending on the pressure and the nozzles, the rotation will be constant and continuous.
- Uniformity coefficient higher than 90% in areas of 28x28R, 28x30T and 30x30T (meters)

APPLICATIONS:

- Used in all types of agricultural irrigations, generally with medium-high flow for coverage of wide areas.
- Horticultural plantations, cereals, tubers, leguminous plants and fruit trees.

MEASUREMENTS:

- Height: 30 cm / 11,8 in.
- Width: 48 cm / 18,9 in.
- Weight: 1.672 kg / 3,68 Lbs.
- Units per box: 10

OPTIONS:

- Threads in BSP or NPT under demand.
- Telescopic tripod for mobile installation.
- This is one of the models which can be used in conjunction with our travelling sprinkler cart VYR-5300.

MODELS:

Ref. 015500: Sprinkler with 3 nozzles.

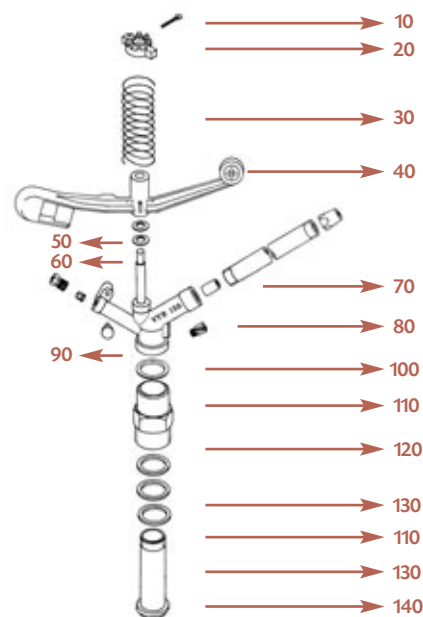
Incredible Uniformity Coefficient results with very wide coverage areas.

TABLES & PARTS

Technical guidance table VYR-155

NOZZLE	Spacing (m) / Precipit. rate (mm/h) Spacing (ft) / Precipit. rate (in/h)						
	BAR PSI	24x24 78x78	24x24 T 78x78 T	26x26 85x85	26x26 T 85x85 T	28x28 91x91	28x28 T 91x91 T
3,2 x 6,3 x 8 mm 5/16" x 1/4" x 1/8"	4	10,3	9,6	6,9	6		
	58	0,41	0,38	0,27	0,24		
	5	12,7	11,4	9,6	8,5		
	73	0,50	0,45	0,38	0,33		
	6	14,9	13,5	11,4	10,2		
	87	0,59	0,53	0,45	0,40		
3,2 x 6,3 x 10 mm 13/32" x 1/4" x 1/8"	7	16,8	15,4	13,3	12		
	102	0,66	0,61	0,52	0,47		
	4	16,7	15,3	13,1	11,9	11,2	10,3
	58	0,66	0,60	0,52	0,47	0,44	0,41
	5	19,8	18,3	16,2	14,8	14,7	13,6
	73	0,78	0,72	0,64	0,58	0,58	0,54
3,2 x 6,3 x 12 mm 15/32" x 1/4" x 1/8"	6	22,7	26	19,4	17,4	16,9	15,5
	87	0,89	1,02	0,76	0,69	0,67	0,61
	7	24,6	22,9	21	19	19,2	17,9
	102	0,97	0,90	0,83	0,75	0,76	0,70
	4	25,5	23,5	22,1	19,7	19,7	17,8
	58	1,00	0,93	0,87	0,78	0,78	0,70
3,2 x 6,3 x 14,5 mm 9/16" x 1/4" x 1/8"	5	27,8	25,8	24,1	21,6	20,3	18
	73	1,09	1,02	0,95	0,85	0,80	0,71
	6	31,9	28,9	27,9	25,4	24,4	22
	87	1,26	1,14	1,10	1,00	0,96	0,87
	7	32,6	30,4	28,6	26,1	24,9	22,3
	102	1,28	1,20	1,13	1,03	0,98	0,88
3,2 x 6,3 x 14,5 mm 9/16" x 1/4" x 1/8"	4	32,9	30,7	29,4	27	25	23,5
	58	1,30	1,21	1,16	1,06	0,98	0,93
	5	35,1	32,9	31,8	27,6	26,2	24
	73	1,38	1,30	1,25	1,09	1,03	0,94
	6	38,4	36	34,9	31,5	30,4	28,3
	87	1,51	1,42	1,37	1,24	1,20	1,11
3,2 x 6,3 x 14,5 mm 9/16" x 1/4" x 1/8"	7	41	38,1	37,5	34,2	33,1	30,9
	102	1,61	1,50	1,48	1,35	1,30	1,22

T: Triang. CU < 85% CU 85-88% CU 88-92% CU > 92%



Performance nozzle tables VYR-155

Long range nozzles (long vane) + plug

NOZZLE	8 x 6,3 x 3,2 mm 5/6 x 1/4 x 1/8"		9 x 6,3 x 3,2 mm 11/32 x 1/4 x 1/8"		10 x 6,3 x 3,2 mm 13/32 x 1/4 x 1/8"		11 x 6,3 x 3,2 mm 7/16 x 1/4 x 1/8"		12 x 6,3 x 3,2 mm 15/32 x 1/4 x 1/8"		13 x 6,3 x 3,2 mm 1/2 x 1/4 x 1/8"		14 x 6,3 x 3,2 mm 9/16 x 1/4 x 1/8"	
BAR PSI	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft
4	8500	51	9600	52	11000	53	12000	56	13200	57	15000	59	17000	63
58	2245	167	2536	171	2906	174	3170	184	3487	187	3963	194	4491	207
5	9500	53	10800	54	12300	55	13400	58	14900	60	17000	62	19100	65
73	2510	174	2853	177	3249	180	3540	190	3936	197	4491	203	5046	213
6	10400	54	11700	55	13500	58	14700	61	16500	62	18800	64	20800	67
87	2747	177	3091	180	3566	190	3883	200	4359	203	4966	210	5495	220
7	11200	56	12800	57	14600	60	16000	63	18000	64	20300	66	22300	69
102	2959	184	3381	187	3857	197	4227	207	4755	210	5363	217	5891	226

 Standard  Diameter range

- Sprinklers will be supplied with standard nozzles unless otherwise specified.
- In order to calculate the flow, add the flows of the two nozzles. The range of the rear nozzle must be less than that of the main nozzle.
- These results have been obtained at indoor laboratory with 0 m/sec win velocity. Outdoor results may change range distances.

