

VYR-175



VYR-175 · Part circle AG high-flow

GENERAL PROPERTIES:

- Agricultural part-circle impact sprinkler with medium-high flow.
- Female brass connection of 1 1/2"
- Made of aluminium, plastic and stainless steel.
- High-resistance rotating joints.
- High resistance brass nozzles.
- Angle of coverage: 360° or Part-Circle.
- Difuser pins and deflector plates included.

TECHNICAL SPECIFICATIONS:

- Reach: 20 - 35 m / 66 - 115 ft.
- Flow: 9.000 - 33.000 L/H. / 2.376 - 8.712 GPH.
- Working pressure: 2,5 - 6 BAR / 36 - 87 PSI.
- 2 Nozzles: One main nozzle with optional deflector pin, and a second short range with built-in difuser pin nozzle.
- Trajectory angles: Of 27° and 18°.
- Maximum stream height: 5,7 m / 19 ft.

APPLICATIONS:

- Used in all types of agricultural irrigation, generally with medium-high flows.
- Horticultural plantations, cereals, tubers, leguminous plants and fruit trees.

MEASUREMENTS :

- Height: 34 cm / 13,4 in.
- Width: 42 cm / 16,5 in.
- Weight: 2 kg / 4,4 Lbs.
- Units per box: 4

OPTIONS :

- Tripods of 1 1/2"
- Valve for automatization.

MODELS:

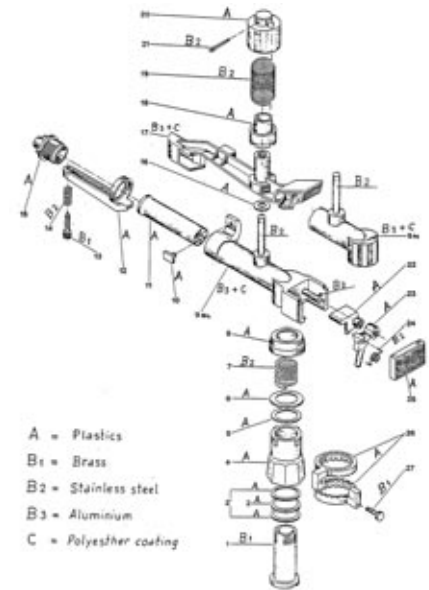
Ref. 017500: Sectorial-Circular 1 1/2" H

TABLES & PARTS

Technical guidance table VYR-175

NOZZLE	Espaciamiento (ft) / Precipitación (GPH)						
	BAR PSI	21x21 Ø	24x24 Ø	27x27 ØT	30x30 ØT	36x36 T ØT	39x39 T ØT
14 x 3,2 mm 9/16" x 1/8"	3	29,2	22,4	17,7	14,3	10	8,5
	44	1,15	0,88	0,70	0,56	0,39	0,33
	4	33,4	25,6	20,2	16,4	11,4	9,7
18 x 3,6 mm 11/16" x 9/64"	58	1,31	1,01	0,80	0,65	0,45	0,38
	5	37,7	28,9	22,8	18,5	12,8	10,9
	73	1,48	1,14	0,90	0,73	0,50	0,43
18 x 3,6 mm 11/16" x 9/64"	3	33,2	26,3	21,5	17,6	13,4	14,9
	44	1,31	1,04	0,85	0,69	0,53	0,59
	4	34,5	27,4	22,6	18,8	14,8	16,3
11/16" x 9/64"	58	1,36	1,08	0,89	0,74	0,58	0,64
	5	36,3	29,3	25,5	21,8	16,00	17,6
	73	1,43	1,15	1,00	0,86	0,63	0,69

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



Performance nozzle tables VYR-175

Long range nozzles (long vane) + short range nozzle

NOZZLE	12 x 3,2 mm 11/32 x 1/8"		14 x 3,2 mm 9/16" x 1/8"		16 x 3,6 mm 5/8 x 9/64"		18 x 3,6 mm 11/16 x 9/64"		20 x 3,6 mm 51/64 x 9/64"		
	BAR PSI	L/H GPH	m ft	L/H GPH	m ft	L/H GPH	m ft	L/H GPH	m ft	L/H GPH	m ft
2	9300	20	12100	21	15200	22					
29	2455	66	3195	69	4015	72					
3	11200	24	14500	25	18900	28	23100	27	27600	28,5	
44	2960	79	3828	82	4990	92	6100	89	6100	93	
4	13000	27	16900	29	21500	30	27000	30	31900	32	
58	3430	89	4460	95	5680	98	7130	98	7130	105	
5	14200	28	18900	30	24000	32	30100	34	35600	34,5	
73	3750	92	3750	98	6340	105	7950	112	7950	114	
6							32500	35	39000	36	
73							8580	115	8580	118	

- 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 has been obtained at indoor laboratory with 0 m/seg win velocity. Outdoor results may change range distances..

Standard Diameter range