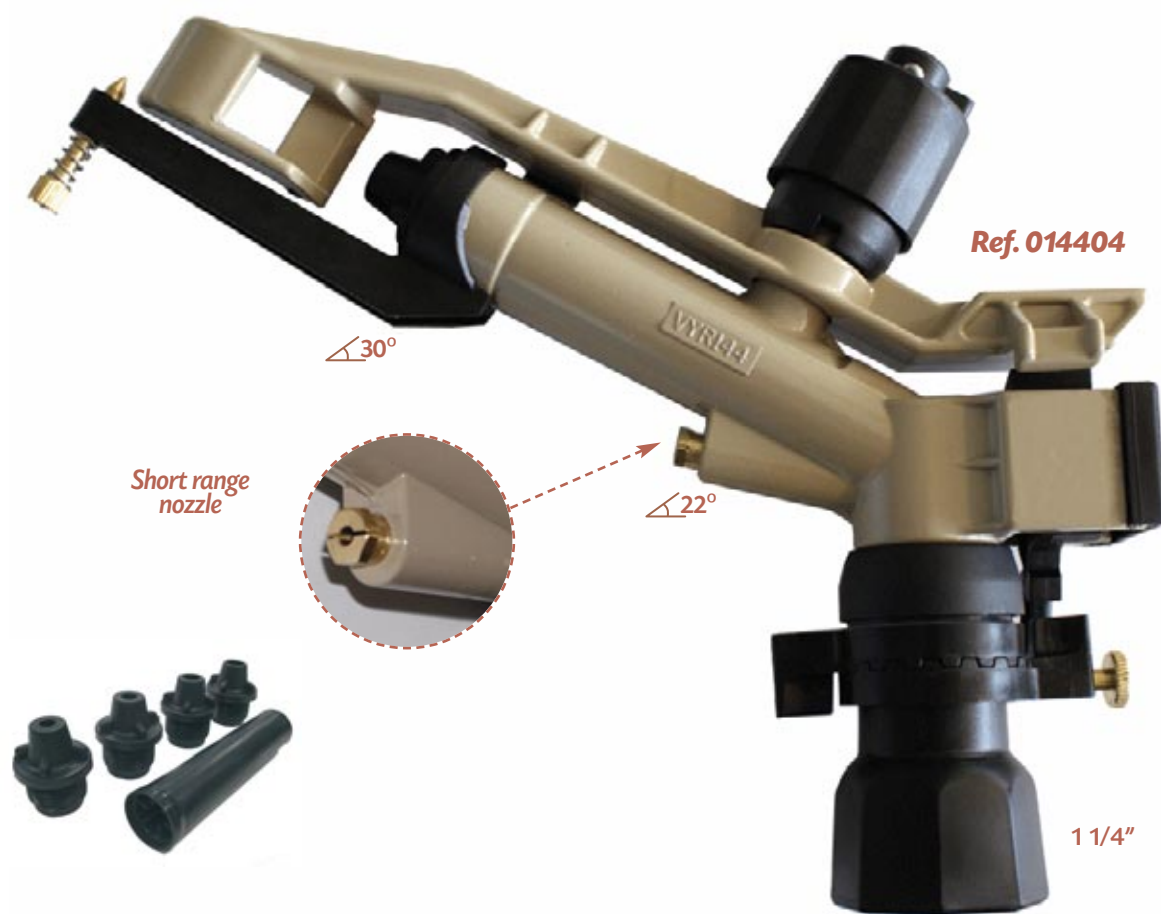


VYR-144 S



VYR-144 S · Part circle AG

GENERAL PROPERTIES:

- Agricultural part-circle impact sprinkler with medium-high flow.
- 1 1/4" female connection.
- Made of aluminium, plastic and stainless steel.
- High-resistance rotating joints.
- Nozzle angle of 30°
- Special design for long reach.
- Used in full coverage irrigation with high flows.

TECHNICAL SPECIFICATIONS:

- Reach: 16 - 26 m / 52-85 ft.
- Flow: 4560 - 18600 L/H / 1.204 - 4.913 GPH
- Working pressure: 1,5 - 4,5 BAR / 22-65 PSI.
- Area: Part or full circle.
- Spring tension adjustment system.
- 2 Nozzles: One main nozzle with built-in deflector pin, and a second short range deflector nozzle.
- Trajectory angles: 30° and 22°
- Maximum stream height: 5,5 m / 18ft.
- 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 22x22R, 24x24T and 24x27T (meters).

APPLICATIONS:

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

MEASUREMENTS:

- Height: 25 cm / 9,8 in.
- Width: 30 cm / 11,8 in.
- Weight: 1 kg / 2,2 Lbs
- Units per box: 10

OPTIONS:

- Threads in BSP or NPT under demand.
- Complete set of nozzles.
- This is one of the models which can be used in conjunction with our travelling sprinkler cart VYR-5300.

MODELS:

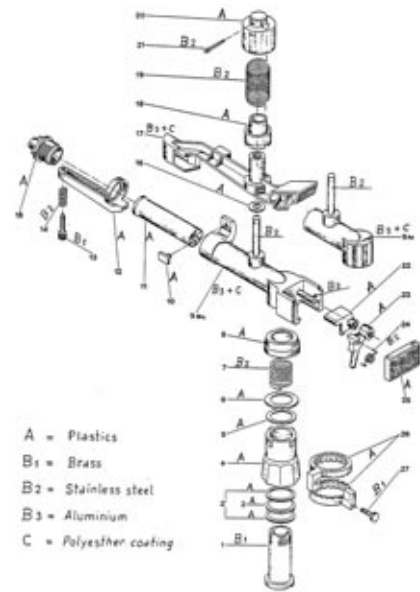
Ref. 014404: VYR 144S ALUM PART CIRCLE W/D THREAD 1 1/4"H

TABLES & PARTS

Technical guidance table VYR-144 S

NOZZLE	BAR PSI	Spacing (m) / Precipit. rate (mm/h) Spacing (ft) / Precipit. rate (in/h)					
		20x24 65x78	24x24 78x78	24x26 T 78x85 T	26x26 T 85x85 T	28x28 T 91x91 T	30x30 T 98x98 T
7 x 4,4 mm 9/32" x 11/64"	3	9,5	7,9	8,4	7,7	6,7	5,9
	44	0,37	0,31	0,33	0,30	0,26	0,23
	4	10,3	8,5	9,1	8,4	7,3	6,3
	58	0,41	0,33	0,36	0,33	0,29	0,25
10 x 4,4 mm 13/32" x 11/64"	5	11	9,2	9,8	9,0	7,7	6,8
	72	0,43	0,36	0,39	0,35	0,30	0,27
	3	16,6	13,9	14,7	13,6	11,8	10,2
	44	0,65	0,55	0,58	0,54	0,46	0,40
14 x 4,4 mm 9/16" x 11/64"	4	18,0	15,0	15,9	14,8	12,7	11,1
	58	0,71	0,59	0,63	0,58	0,50	0,44
	5	19,4	16,1	17,2	15,9	13,7	11,9
	72	0,76	0,63	0,68	0,63	0,54	0,47
14 x 4,4 mm 9/16" x 11/64"	3	30,1	25,1	26,8	24,7	21,2	18,6
	44	1,19	0,99	1,06	0,97	0,83	0,73
	4	31,9	26,6	28,3	26,1	22,5	19,6
	58	1,26	1,05	1,11	1,03	0,89	0,77
14 x 4,4 mm 9/16" x 11/64"	5	38,7	32,3	34,4	31,7	27,4	23,9
	72	1,52	1,27	1,35	1,25	1,08	0,94

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



Performance nozzle tables VYR-144 S

Long range nozzles (long vane) + short range nozzle

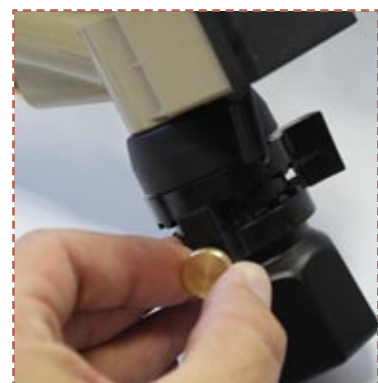
NOZZLE	7 x 4,4 mm 9/32" x 11/64"		8 x 4,4 mm 5/16" x 11/64"		10 x 4,4 mm 13/32" x 11/64"		12 x 4,4 mm 15/32" x 11/64"		14 x 4,4 mm 9/16" x 11/64"	
BAR PSI	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft
2	4.560	40	5.580	44	7.900	50	10.980	56	14.460	54
29	1.204	131	1.473	144	2.086	164	2.899	184	3.817	177
3	4.920	42	6.000	46	8.640	54	11.880	60	16.560	62
44	1.299	138	1.584	151	2.281	177	3.136	197	4.372	203
4	5.280	42	6.480	50	9.300	58	12.720	62	18.600	62
58	1.394	138	1.711	164	2.455	190	2.455	203	4.910	203

Ø: Diameter range



Easy spring-tension
adjustment

- 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.



Easy part-circle
adjustment