VYR-150

VYR-150 · Part circle AG

GENERAL PROPERTIES:

- Part circle agricultural impact sprinkler, high flow.
- 1 1/4" male connection.
- Made of brass and stainless steel.
- High-resistance rotating joints.
- Nozzle angles of 27° and 4°
- Part circle mechanical system using clips that are very easy and quick to adjust.
- Used in full coverage irrigation with high flow to cover the side, corner and pivot point areas.
- Adjustable spring tension.

TECHNICAL SPECIFICATIONS:

- Reach: 25 - 37 m / 82 - 121 ft.
- Flow: 6200 - 28000 L/H / 1.637 - 7.392 GPH.
- Working pressure: 4 - 7 BAR / 58 - 102 PSI.
- Area: Part or full circle.
- Nozzles: One main long reach nozzle and a secondary short reach nozzle.
- Trajectory angles: 27° and 4°
- Maximum stream height: 5,5 m / 18 ft.
- Rotation time: Depending on the pressure and the nozzles, the rotation will be constant and continuous.
- Uniformity coefficient higher than 90% in areas of 37x37R, 37x37T and 37x39T (meters).

APPLICATIONS:

- Horticultural plantations, cereals, tubers, leguminous plants and fruit trees.
- Often used for Pivot points.

MEASUREMENTS:

- Height: 30 cm / 11,8 in.
- Width: 36 cm / 14,2 in.
- Weight: 2.430 kg / 5,35 Lbs.
- Units per box: 5

OPTIONS:

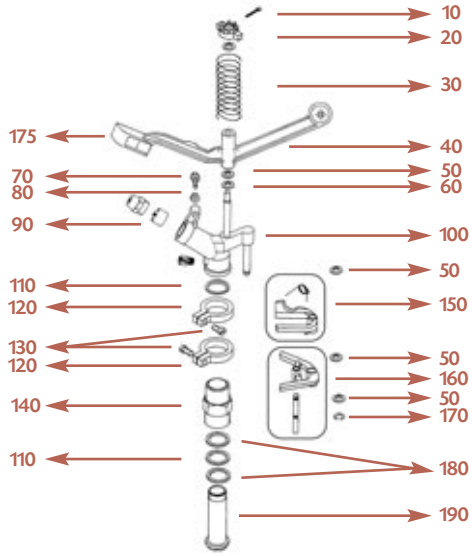
- Threads in BSP or NPT under demand.
- Fordable tripod for mobile installation.

MODELS:

Ref. 015000: Standard male.

Special mechanical and hydraulic design for energy saving and an optimal coverage coefficient.

TABLES & PARTS



Performance nozzle tables VYR-150

Long range nozzles (long vane) + short range nozzle

NOZZLE	9 x 3,2 mm 11/32 x 1/8"		10 x 3,2 mm 13/32 x 1/8"		11 x 3,2 mm 7/16 x 1/8"		13 x 6,3 mm 1/2 x 2/8"		14,5 x 6,3 mm 9/16 x 2/8		16 x 6,3 mm 5/8 x 2/8"	
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
4	6200	50	7700	52	9400	54	14300	58	16300	60	20200	62
58	1637	164	2033	171	2482	177	3775	191	4303	197	5333	203
5	7000	52	8600	54	10600	56	16200	62	18300	64	23200	66
73	1848	171	2270	177	2798	184	4277	203	4831	210	6125	217
6	7800	54	9500	56	11700	58	18200	68	20000	69	25800	72
87	2059	177	2508	184	3089	190	4805	223	5280	226	6811	236
7	8500	56	10300	58	12600	60	19500	72	21500	73	28000	74
102	2244	184	2719	190	3326	197	5148	236	5676	240	7392	243

Standard Ø: Diameter range

- For optimum distribution avoid use in shady areas.
- 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