

# VYR-100 Grillo



## VYR-100 GRILLO · Part circle AG

### GENERAL PROPERTIES:

- Turbine-driven Rain-Gun, high flow for agriculture.
- 2" female connection.
- Made of aluminium, brass, plastic and stainless steel.
- High-resistance rotating joints.
- Nozzle angle of 28°
- Special design for long reach.
- Used in full coverage irrigation with very high flow.

### TECHNICAL SPECIFICATIONS:

- Reach: 25 - 41 m / 82 - 135 ft.
- Flow: 8.500 - 51.500 L/H / 2.244 - 13.596 GPH.
- Working pressure: 2,5 - 4,5 BAR / 36 - 65 PSI.
- Area: Part or full circle.
- Nozzles: One main multi-jet nozzle with built-in deflector pin.
- Trajectory angles: 18° and 28°
- Maximum stream height: 5,8 m / 19 ft.
- Rotation time: Depending on the pressure and the nozzles, the rotation will be constant and continuous.
- Uniformity coefficient higher than 83% in areas of 48x48R, 50x50T and 50x62T (meters)

### APPLICATIONS:

- Irrigation for sport fields.
- Travelling sprinkler irrigation.
- Horticultural plantations, cereals, tubers, leguminous plants and fruit trees.
- Mining.
- Firewall.

### MEASUREMENTS:

- Height: 37 cm / 14,6 in
- Width: 70 cm / 27,6 in.
- Weight: 4.6 kg / 10,12 Lbs
- Units per box: 4

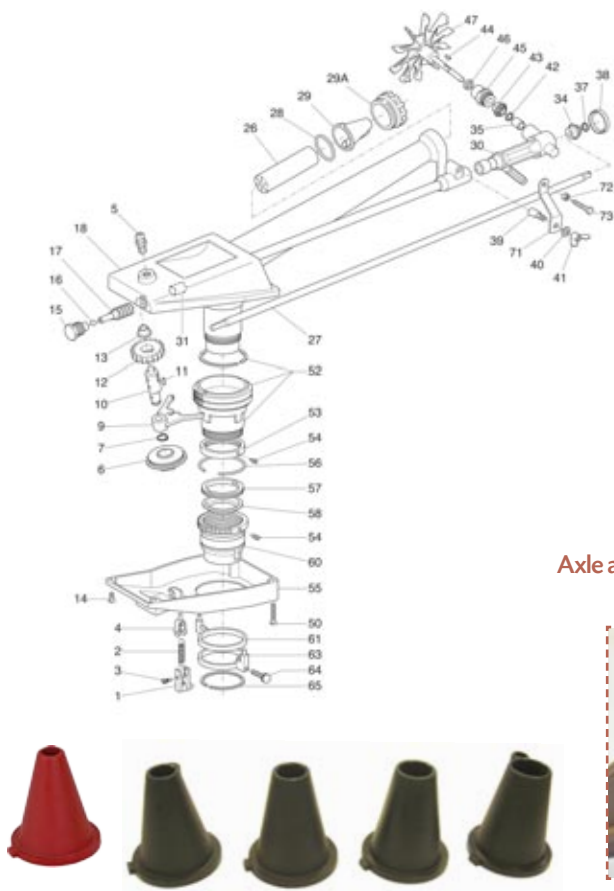
### OPTIONS:

- Foldable tripod for mobile installation.

### MODELS:

**Ref. 010000:** Rain gun VYR-100 + nozzles.

## TABLES & PARTS



Greaser for the gear system

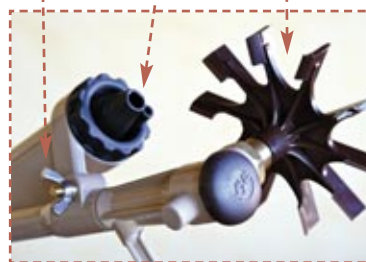
Simple angle of coverage adjustment system



Interchangeable nozzle

Axle adjustment shaft

Propeller turbine deflector



Special 18° nozzle for PIVOT end-gun

### Performance nozzle tables VYR 100 GRILLO

Long range nozzles (long vane) + short range nozzle

NOZZLE	10 mm 51/128"		12 mm 15/32"		14 mm 9/16"		16 mm 5/8"		18 mm 11/16"		20 mm 101/128"		22 mm 111/128"		24 mm 121/128"	
BAR PSI	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft
2,5 36	8.100 2.140	21 69	8.530 2.252	25 82	11.620 3.068	26 85	---	---	---	---	---	---	---	---	---	---
3 44	8.800 2.325	22 72	9.360 2.471	26 85	12.740 3.363	28 92	16.630 4.390	31,5 103	---	---	---	---	---	---	---	---
3,5 51	9.500 2.510	23,5 77	10.110 2.669	27 89	13.750 3.630	30 98	17.960 4.741	33,5 110	22.750 6.006	33,5 110	28.200 7.445	34 112	36.600 9.660	34,5 113	43.000 9.660	36,5 120
4 58	10.200 2.690	27,5 90	10.800 2.851	28 92	14.720 3.886	31 102	19.220 5.074	35,0 115	24.330 6.423	34,5 113	33.000 8.710	35,0 115	39.400 10.400	36,5 115	46.000 10.400	37,5 123
4,5 65	---	---	---	---	---	---	20.370 5.378	36,0 118	25.810 6.814	36 118	35.000 9.240	36,5 120	41.600 10.980	38,0 120	48.600 10.980	39,0 128
5 73	---	---	---	---	---	---	---	---	27.210 7.183	37,5 123	37.000 9.770	38,5 123	44.100 11.640	39,5 126	51.500 11.640	41 135

Standard R: Range distance

- 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/seg win velocity. Outdoor results may change range distances.

