



VYR-37 Full circle AG

General properties:

- Medium flow agricultural impact sprinkler.
- 3/4" male or female connection.
- Colour-coded "click" bayonet nozzles.
- Made of plastic and stainless steel.
- High-resistance rotating joints.
- Nozzle angles of 25° and 20°.
- Body specially designed for bayonet nozzles.
- Plastic sprinkler, leader in the agricultural market.

Technical specifications:

- Range distance: 13 - 18 m.
- Flow: 660 - 3270 l/h.
- Working pressure: 1.75 - 4.5 bar.
- Area: Full circle.
- Nozzles: Two nozzles: one main nozzle and a secondary nozzle or plug.
- Trajectory angles: 25° and 25°.
- Maximum stream height: 4,0 m.
- Rotation time: Depending on the pressure and the nozzles, the rotation will be constant and continuous.
- Uniformity coefficient higher than 90% in areas of 16x16R, 15x18T and 16x16T.



Tool for bayonet nozzles

Applications:

- This model is compatible with almost any type of crop and with a wide range of pluviometric and spacing conditions, suitable for a large number of different crop types.
- Horticultural plantations, cereals, tubers, leguminous plants and fruit trees.

Dimensions:

- Height: 14 cm.
- Width: 17 cm.
- Weight: 150 g.
- Units per box: 100.

Options:

- Threads in BSP or NPT under demand.
- Models with male or female connection.
- Assembled on a pressure regulator for self-compensation of pressure and flow.

Models:

- Ref. 003701:** Male , **without counterweights.**
- Ref. 003702:** Female, **without counterweights.**
- Ref. 003703:** Male + AF CONNECTION, **without counterweights**
- Ref. 003704:** Female + AF CONNECTION, **without counterweights.**
- Ref. 003711:** Male , **with counterweights.**
- Ref. 003712:** Female, **without counterweights.**
- Ref. 003713:** Male + AF CONNECTION, **with counterweights.**
- Ref. 003714:** Female + AF CONNECTION, **with counterweights.**



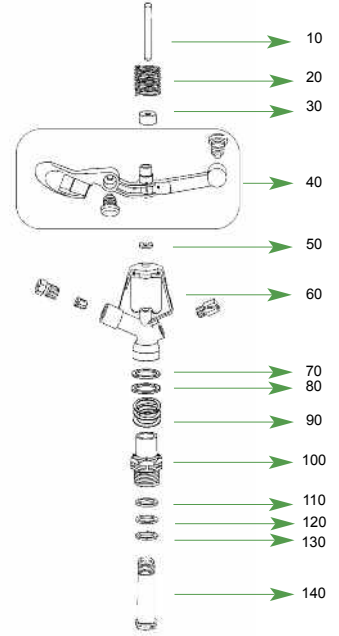
VYR-37

Tables & Charts

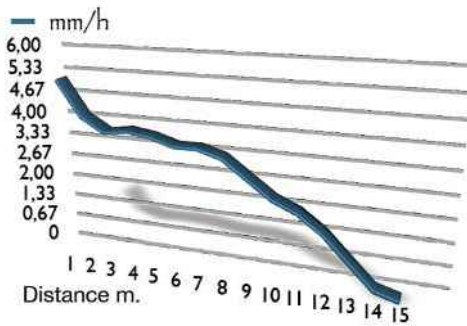
Technical guidance table for CU's of VYR-37

NOZZLE COLOR	P (Bar)	Q (l/h)	D (m) Radius	Spacing (m) /Precipit. rate(mm/h)					
				12x12 Triang.	12x15 Rect.	12x15 Triang.	15x15 Rect.	15x18 Rect.	18x18 Triang.
3,6 x 2,6 mm.	3	1245	13	8,0	6,9	5,5	5,5	4,6	
	3,5	1345	14	8,6	7,5	6,0	6,0	5,0	3,8
	4	1439	14	9,2	8,0	6,4	6,4	5,3	4,1
4,0 x 2,6 mm.	3	1448	14	9,3	8,0	6,4	6,4	5,4	4,1
	3,5	1564	14	10,0	8,7	6,9	7,0	5,8	4,5
	4	1667	14	10,7	9,3	7,4	7,4	6,2	4,8
4,8 x 3,2 mm.	3	2214	15	14,2	12,3	9,8	9,8	8,2	6,3
	3,5	2392	15	15,3	13,3	10,6	10,6	8,9	6,8
	4	2557	15	16,4	14,2	11,3	11,4	9,5	7,3

CU<85%
CU 85-88%
CU 88-92%
CU>92%



BAR	3,5
Flow	1664 L/h
Nozzles	4,0 X 2,4 mm
Center	VYR
Rotat. velocity	29 sec/rev
Height	100 cm
Duration	60 min.
T°	15°C
Wind velocity	0 m/sec.
Date	05/04/2011



Long range nozzles (long vane) + Plug

Icon	9/64" (3,6 mm)	5/32" (4,0 mm)	11/64" (4,4 mm)	3/16" (4,8 mm)	13/64" (5,2 mm)	7/32" (5,6 mm)
Bars	Lit./h. Ø mts.	Lit./h. Ø mts.	Lit./h. Ø mts.	Lit./h. Ø mts.	Lit./h. Ø mts.	Lit./h. Ø mts.
2,0	695 26,0	930 26,5	1.085 27,5	1.290 29,0	1.475 31,0	1.550 32,5
2,5	770 26,0	1.045 26,5	1.225 28	1.430 29,5	1.640 32,0	1.720 33,5
3,0	845 26,5	1.150 27,0	1.330 29,5	1.570 31,0	1.800 33,0	1.880 34,5
3,5	910 26,5	1.240 28,0	1.445 29,5	1.670 32,0	1.955 33,5	2.140 35,0
4,0	970 27,0	1.320 29,0	1.560 30,0	1.825 32,5	2.110 34,0	2.240 35,5
4,5	1.025 27,50	1.415 29,5	1.662 30,5	1.950 33,0	2.225 34,5	2.410 36,0



Long range nozzles (long vane) + short range nozzle

Icon	9/64 x 3/32" (3,6 x 2,6 mm)	5/32 x 3/32" (4,0 x 2,6 mm)	11/64 x 3/32" (4,4 x 2,6 mm)	3/16 x 1/8" (4,8 x 3,2 mm)	13/64" x 1/8" (5,2 x 3,2 mm)	7/32 x 1/8" (5,6 x 3,2 mm)
Bars	Lit./h. Ø mts.	Lit./h. Ø mts.	Lit./h. Ø mts.	Lit./h. Ø mts.	Lit./h. Ø mts.	Lit./h. Ø mts.
2,0	1.010 26,0	1.230 26,5	1.375 27,5	1.770 29,0	1.980 31,0	2.190 32,5
2,5	1.115 26,0	1.390 26,5	1.535 28	2.010 29,5	2.210 32,0	2.460 33,5
3,0	1.220 26,5	1.535 27,0	1.715 29,5	2.230 31,0	2.430 33,0	2.730 34,5
3,5	1.320 26,5	1.655 28,0	1.860 29,5	2.375 32,0	2.660 33,5	2.915 35,0
4,0	1.430 27,0	1.770 29,0	1.990 30,0	2.550 32,5	2.845 34,0	3.035 35,5
4,5	1.500 27,50	1.860 29,5	2.100 30,5	2.730 33,0	3.000 34,5	3.170 36,0



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- 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.