



VYR-36 Full circle AG

General properties:

- Medium flow agricultural impact sprinkler.
- 3/4" male or female connection.
- Made of plastic and stainless steel.
- High-resistance rotating joints.
- Nozzle angles of 25° and 25°.
- Used in full coverage irrigation with the best compliance with spacing standards in the market.
- Curved design of the internal angles of the body to avoid internal hydraulic turbulence and for greater reach.
- Stainless steel ball counterweights inserted in the arm.
- 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 deflector 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 18x18R, 15x18T and 18x18T.

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: 178 g.
- Units per box: 100.

Options:

- Threads in BSP or NPT under demand.
- Models with anti-frost cover with male or female connection.
- Brass or plastic nozzles, depending on the customer's technical specifications.
- Secondary nozzle with deflector slot or plug.
- Assembled on a pressure regulator for self-compensation of pressure and flow.

Models:

- Ref. 003600: 3/4" male.
- Ref. 003602: 3/4" female.
- Ref. 003620: 3/4" male, anti-frost.
- Ref. 003622: 3/4" female, anti-frost.



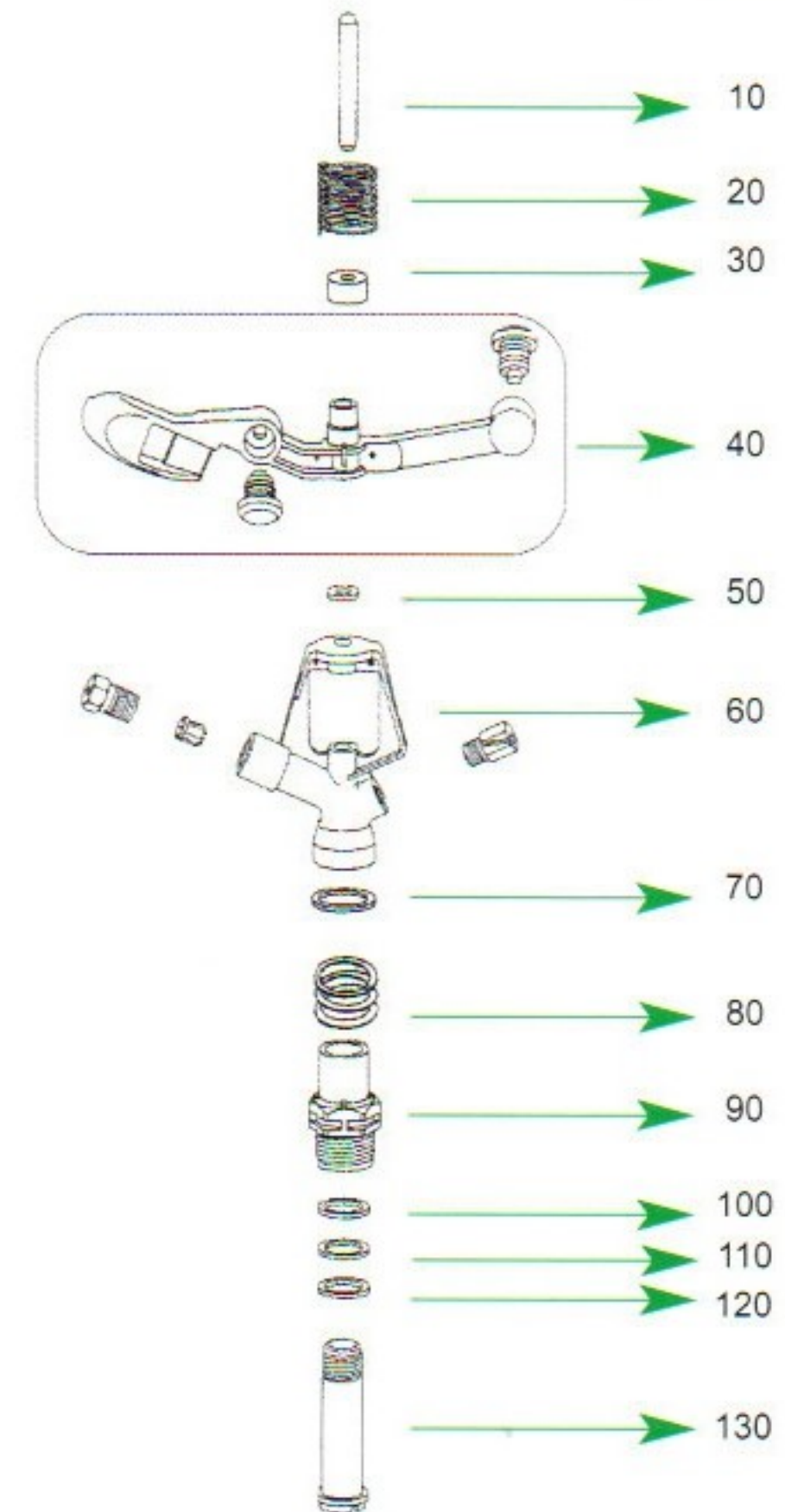
VYR-36

Tables & Charts

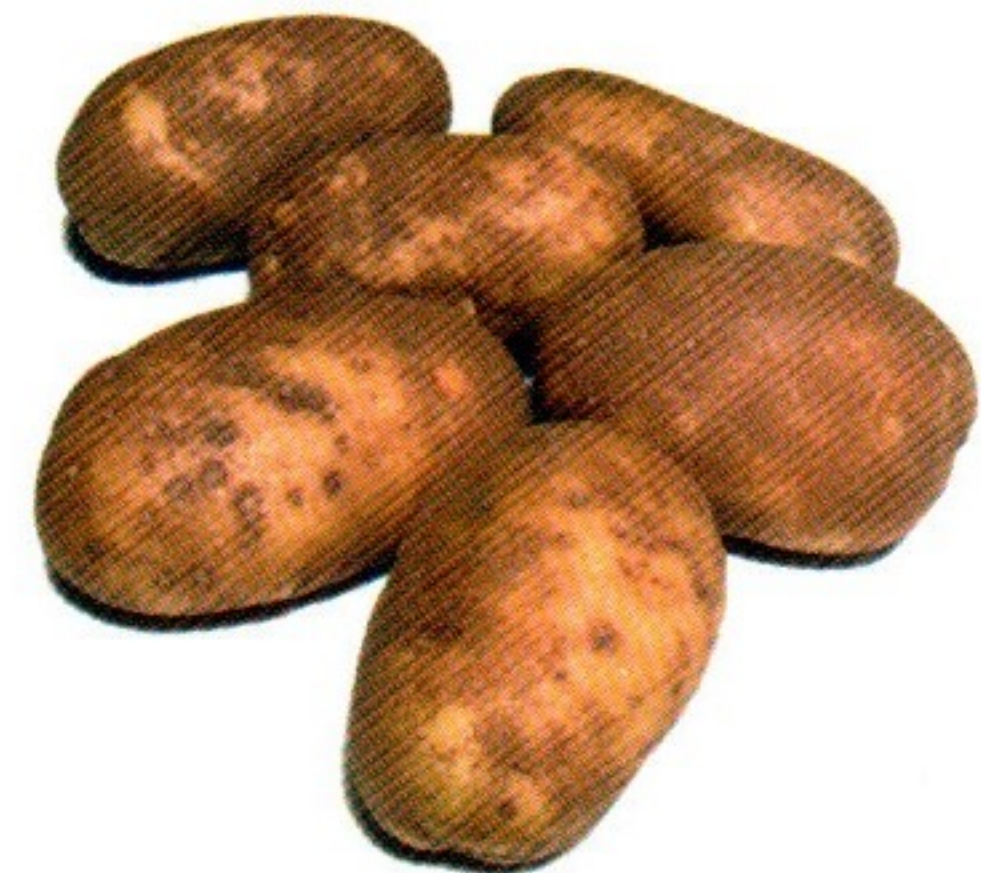
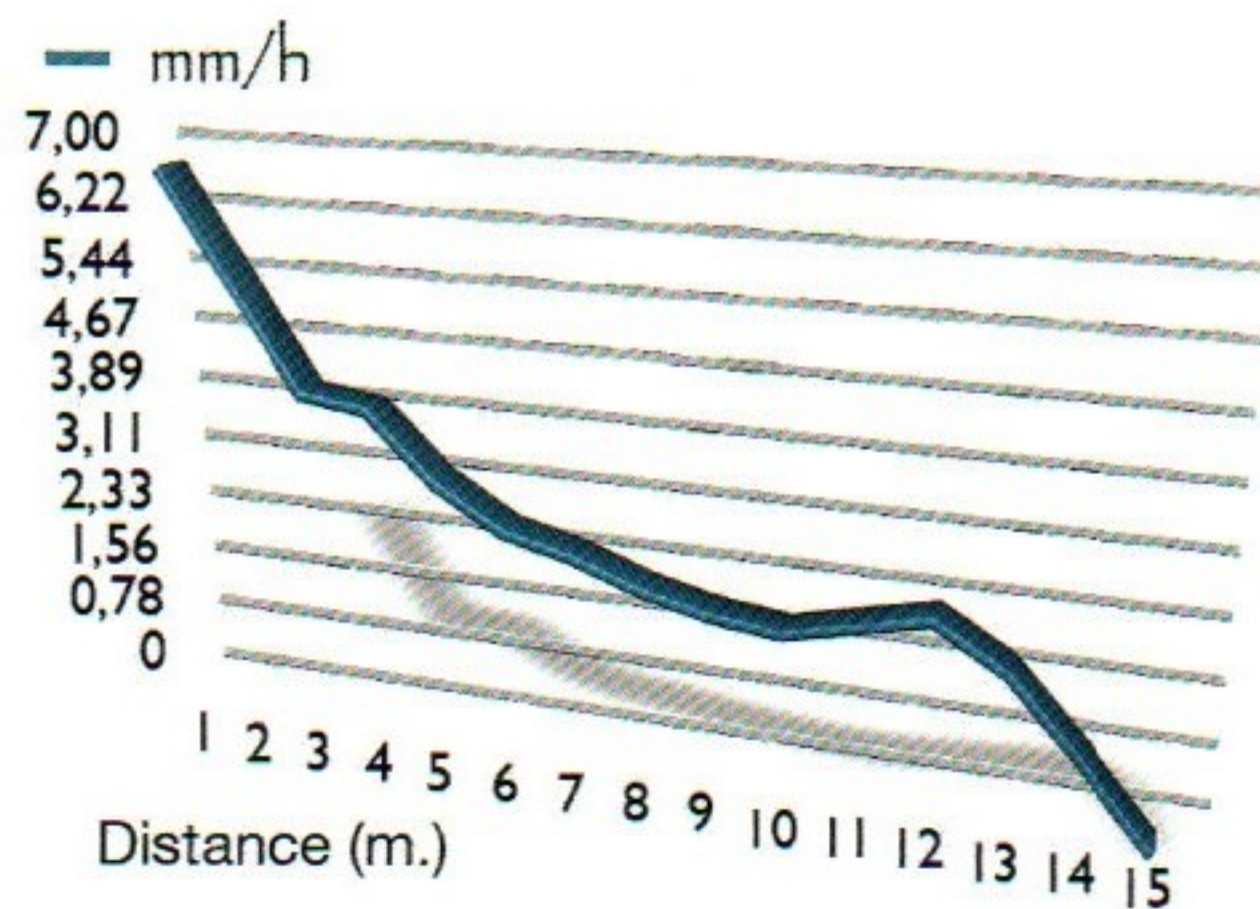
Technical guidance table for CU's of VYR-36

NOZZLE	P (Bar)	Q (l/h)	D (m) Radius	Spacing (m) /Precipit. rate(mm/h)					
				12x12 Rect.	12x15 Rect.	15x15 Rect.	15x15 Triang.	15x18 Triang.	18x18 Rect.
3,6 x 2,4 mm.	3	1226	14	8,5	6,8	5,4	5,0	3,7	3,8
	3,5	1324	14	9,2	7,4	5,9	5,4	4,0	4,1
	4	1416	14,5	9,8	7,9	6,3	5,8	4,3	4,4
4,0 x 2,4 mm.	3	1425	15	9,9	7,9	6,3	5,9	4,3	4,4
	3,5	1540	15	10,7	8,6	6,8	6,3	4,7	4,8
	4	1646	15	11,4	9,1	7,1	6,8	5,0	5,1
4,4 x 2,4 mm.	3	1650	15	12,2	9,9	7,3	7,0	5,8	4,8
	3,5	1790	15	13,1	10,8	7,1	7,5	6,0	5,0
	4	1890	15,5	14,0	11,9	8,3	8,0	7,2	5,4
4,8 x 3,2 mm.	3	2180	15,5	15,1	12,1	9,7	9,0	6,6	6,7
	3,5	2354	16	16,3	13,1	10,5	9,7	7,1	7,3
	4	2517	16	17,5	14,0	11,2	10,3	7,6	7,8

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



BAR	3,5
Flow	1540 L/h
Nozzles	4,0 X 2,4 mm
Center	VYR
Rotation velocity	60 sec/rev
Height	100 cm
Duration	60 mint
T°	15°C
Wind velocity	0 m/sec.
Date	14/02/2011



Long range nozzles (long vane) + Plug

														
	1/8" 3,2 mm.	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.	Lit./h.	Ø mts.
2,5	620	26,0	790	26,5	970	27,5	1.160	29,0	1.390	31,0	1.640	31,5	1.720	33,0
3,0	680	26,0	860	26,5	1.050	28	1.270	29,5	1.510	32,0	1.790	32,5	1.880	34,0
3,5	740	26,5	930	27,0	1.140	29,5	1.380	31,0	1.640	33,0	1.930	33,5	2.140	35,0
4,0	790	26,5	1.000	28,0	1.220	29,5	1.470	32,0	1.750	33,5	2.060	34,5	2.240	36,0
4,5	840	27,0	1.060	29,0	1.290	30,0	1.550	32,5	1.860	34,0	2.180	35,0	2.410	36,5
5,0	880	27,50	1.120	29,5	1.360	30,5	1.640	33,0	1.960	34,5	2.290	35,5	2.520	37,5
5,5	930	28,0	1.170	30,0	1.430	31,0	1.720	34,0	2.060	36,0	2.380	36,0	2.640	39,0

(*Aspersor a 1 metro de altura)

Long range nozzles (long vane) + short range nozzle

	 15°	 15°	 15°	 15°	 15°	 15°	 15°	 15°	 15°									
	1/8" x 3/32" 3,2 x 2,4 mm.	9/64" x 3/32" 3,6 x 2,4 mm.	5/32" x 3/32" 4,0 x 2,4 mm.	11/64" x 3/32" 4,4 x 2,4 mm.	11/64" x 7/64" 4,4 x 2,8 mm.	3/16" x 7/64" 4,8 x 2,8 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.	Lit./h.	Ø mts.	Lit./h.	Ø mts.		
2,5	980	26,0	1.150	26,5	1.320	27,5	1.520	29,0	1.730	30,60	1.895	31,0	2.050	31,0	2.310	31,5	2.460	33,0
3,0	1.070	26,0	1.250	26,5	1.450	28	1.670	29,5	1.800	31,60	2.100	32,0	2.240	32,0	2.520	32,5	2.730	34,0
3,5	1.160	26,5	1.350	27,0	1.560	29,5	1.800	31,0	1.915	32,00	2.255	33,0	2.420	33,0	2.720	33,5	2.915	35,0
4,0	1.240	26,5	1.450	28,0	1.670	29,5	1.920	32,0	2.070	32,40	2.400	33,5	2.590	33,5	2.910	34,5	3.035	36,0
4,5	1.320	27,0	1.540	29,0	1.770	30,0	2.030	32,5	2.165	33,00	2.545	34,0	2.750	34,0	3.070	35,0	3.170	36,5
5,0	1.360	27,50	1.620	29,5	1.870	30,5	2.140	33,0	2.300	33,40	2.680	34,5	2.880	34,5	3.230	35,5	3.300	37,5
5,5	1.460	28,0	1.700	30,0	1.960	31,0	2.240	34,0	2.400	33,80	2.810	36,0	3.010	36,0	3.360	36,0	3.430	39,0

(*Aspersor a 1 metro de altura)



STANDARD

- 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.

