



VYR-36 AG Full Circle

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: 42,5-60 ft. (13-18 m).
- Flow: 175-865 GPH (660- 3270 l/h).
- Working pressure: 25-65 PSI (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: 13 ft. (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 49x59R, 49x59T, 59x59T ft.

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: 5,5 in. (14 cm).
- Width: 6,7 in. (17 cm).
- Weight: 0,39 lbs. (178 grs).
- 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.



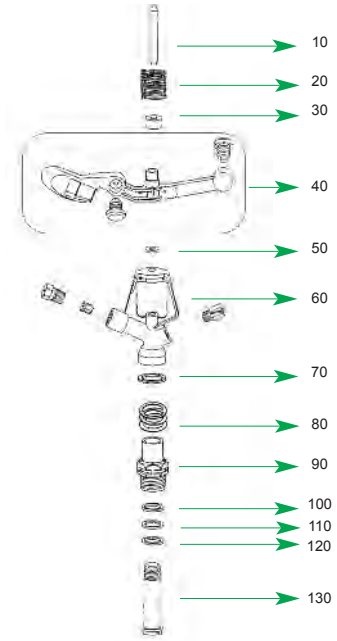
VYR-36

Tables & Charts

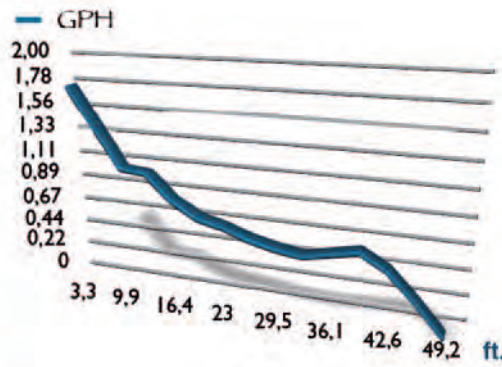
CU's example table at different spacing for VYR-36

NOZZLE	P (PSI)	Q (GPH)	D (ft.) Radius	Spacing (ft.) / Precipit. rate (in/h)					
				40x40 Rect.	40x50 Rect.	50x50 Rect.	50x50 Triang.	50x60 Triang.	60x60 Rect.
9/64"x 3/32" 3,6 x 2,4 mm.	44	324	46	0,33	0,27	0,21	0,20	0,15	0,15
	51	350	46	0,36	0,29	0,23	0,21	0,16	0,16
5/32"x 3/32" 4,0 x 2,4 mm.	58	374	48	0,39	0,31	0,25	0,23	0,17	0,17
	44	376	50	0,39	0,31	0,25	0,23	0,17	0,17
4,0 x 2,4 mm.	51	407	50	0,42	0,34	0,27	0,25	0,19	0,19
	58	435	50	0,45	0,36	0,28	0,27	0,20	0,20
11/64"x 3/32" 4,4 x 2,4 mm.	44	435	51	0,48	0,39	0,29	0,28	0,23	0,19
	51	469	51	0,52	0,43	0,28	0,30	0,24	0,20
3/16"x 1/8" 4,8 x 3,2 mm.	58	502	51	0,55	0,47	0,33	0,31	0,28	0,21
	44	498	52,5	0,59	0,48	0,38	0,35	0,26	0,26
4,8 x 3,2 mm.	51	538	52,5	0,64	0,52	0,41	0,38	0,28	0,29
	58	575	54	0,69	0,55	0,44	0,41	0,30	0,31

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



PSI	50,7
Flow	400 G/h
Nozzles	11/64" x 3/32"
Center	VYR
Rot. Veloc.	60 seg/rev.
Height	3 ft.
Test time	60 min
T°	68°F
Wind Veloc.	0 ft./seg.
Date	14/02/2011



One nozzle (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.)	
PSI	GPH	Ø Ft.	GPH	Ø Ft.	GPH	Ø Ft.	GPH	Ø Ft.
36	164	85	209	87	256	90	306	98
44	180	85	227	87	277	92	335	100
51	195	87	246	89	301	97	364	103
58	209	87	264	92	322	97	388	107
65	222	89	280	95	341	98	409	110
73	232	90	296	97	359	100	433	112
80	246	92	309	98	378	102	454	115

(*Sprinkler at 1 meter height)



Nozzles

Two nozzles (long vane)

	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.)	
PSI	GPH	Ø Ft.	GPH	Ø Ft.	GPH	Ø Ft.	GPH	Ø Ft.	GPH	Ø Ft.
36	259	85	304	87	348	90	401	98	457	98
44	282	85	330	87	383	92	441	100	475	100
51	306	87	356	89	412	97	475	103	506	103
58	327	87	383	92	441	97	507	107	546	107
65	348	89	407	95	467	98	536	110	572	110
73	359	90	428	97	494	100	565	112	607	112
80	385	92	449	98	517	102	591	115	634	115

(*Sprinkler at 1 meter height)

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.

