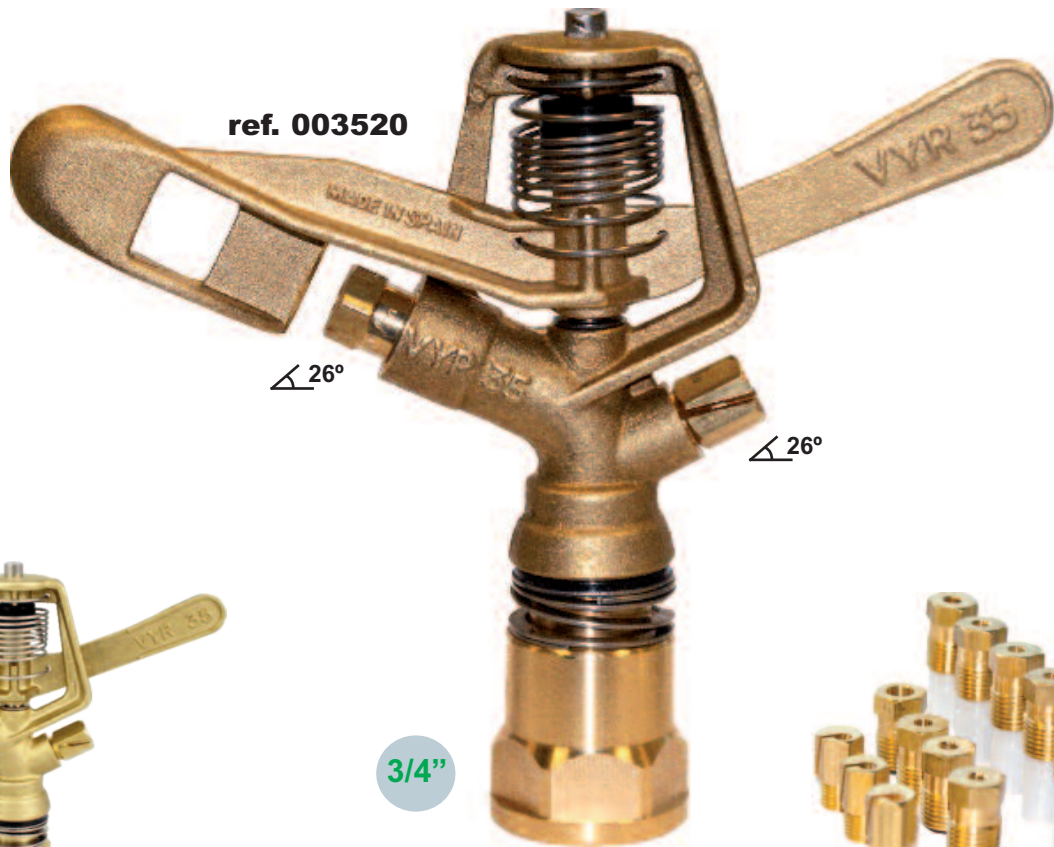




ref. 003520



## VYR-35 Full circle AG

### General properties:

- Medium flow agricultural impact sprinkler.
- 3/4" male or female connection.
- Made of brass and stainless steel.
- High-resistance rotating joints.
- Nozzle angles of 26° and 26°.
- Designed for full coverage irrigation offering best compliance with spacing standards in the market.
- Leading sprinkler in the agricultural market.

### Technical specifications:

- Range distance: 42-60 ft. (13-18 m).
- Flow: 2,7-15 GPM (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: 26° and 26°.
- Maximum stream height: 14 ft. (4,2 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 60x60R, 50x60T, 60x60T 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: 0,95 lbs. (430 grs).
- Units per box: 50.

### Options:

- Threads in BSP or NPT under demand.
- Anti-frost cover with 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. 003501: 3/4" male.
- Ref. 003520: 3/4" female.
- Ref. 003511: 3/4" male, anti-frost.
- Ref. 003530: 3/4" female, anti-frost.



## VYR-35

### Tables & Charts

#### Technical guidance table for CU's of VYR-35

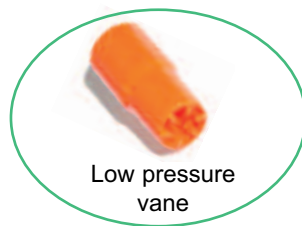
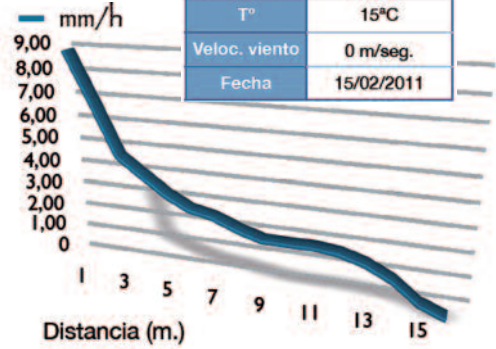
NOZZLE	P (PSI)	Q (GPH)	D (ft.) Radius	Spacing (ft.) / Precipit. rate (in/h)					
				40x50 Triang.	50x50 Triang.	50x60 Triang.	60x60 Triang.	60x66 Triang.	66x66 Rect.
4,0x2,4 mm. 5/32"x3/32"	44	376	50	0,39	0,31	0,25	0,23	0,17	0,17
	51	407	50	0,42	0,34	0,27	0,25	0,19	0,19
	58	435	50	0,45	0,36	0,29	0,27	0,20	0,20
4,4x2,4 mm. 11/64"x3/32"	44	435	51	0,44	0,35	0,29	0,27	0,20	0,20
	51	469	51	0,48	0,39	0,31	0,29	0,21	0,22
	58	502	51	0,52	0,42	0,33	0,31	0,23	0,23
4,8x3,2 mm. 3/16" x 1/8"	44	498	52,5	0,52	0,41	0,33	0,30	0,22	0,23
	51	538	52,5	0,56	0,44	0,36	0,33	0,24	0,25
	58	575	54	0,59	0,48	0,38	0,35	0,26	0,26
5,2x3,2 mm. 13/64" x 1/8"	44	645	54	0,69	0,54	0,43	0,38	0,28	0,28
	51	697	54	0,72	0,58	0,46	0,43	0,31	0,32
	58	745	56	0,77	0,62	0,49	0,46	0,34	0,34
	73	790	56	0,82	0,67	0,54	0,50	0,39	0,39

P: Pressure D: Distance (Range Radius).

Q: Flow at real test

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

BAR	3,5
Caudal	1777 L/h
Boquillas	4,4 X 2,4 mm
Centro	VYR
Veloc. Rot.	38 seg/rev
Altura	100 cm
Duración	60 min
T°	15°C
Veloc. viento	0 m/seg.
Fecha	15/02/2011



#### Performance nozzle tables of VYR-35

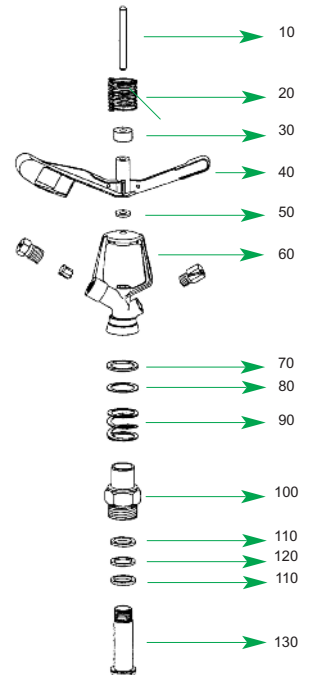
##### Long range nozzles (long vane) + Plug

	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.		
	PSI	GPM	Ø Ft.	GPM	Ø Ft.	GPM	Ø Ft.	GPM	Ø Ft.	GPM	Ø Ft.	GPM	Ø Ft.	GPM	Ø Ft.
36	2,73	85	3,48	87	4,27	90	5,10	98	6,12	105	7,22	107	7,57	112	115
44	3,00	85	3,78	87	4,62	92	5,58	100	6,65	105	7,88	110	8,27	115	115
51	3,25	87	4,10	89	5,02	97	6,07	103	7,22	108	8,50	113	9,42	118	118
58	3,48	87	4,40	92	5,37	97	6,47	107	7,70	112	9,07	116	9,97	121	121
65	3,70	89	4,67	95	5,68	98	6,82	110	8,18	115	9,60	118	10,60	126	126
73	3,87	90	4,93	97	5,98	100	7,22	112	8,62	118	10,08	123	11,08	130	130
80	4,10	92	5,15	98	6,30	102	7,57	115	9,07	120	10,47	125	11,62	131	131

(\*Sprinkler at 1 meter height)



Nozzle set position at 21:00



##### Long range nozzles (long vane) + short range nozzle

	15°		15°		15°		15°		15°		15°		15°		15°			
	PSI	GPM	Ø Ft.	GPM	Ø Ft.	GPM	Ø Ft.	GPM	Ø Ft.	GPM	Ø Ft.	GPM	Ø Ft.	GPM	Ø Ft.	GPM	Ø Ft.	
36	4,32	85	5,07	87	5,80	90	6,68	98	7,62	98	8,33	105	9,02	105	10,17	107	10,82	112
44	4,70	85	5,50	87	6,38	92	7,35	100	7,92	100	9,23	105	9,85	105	11,08	110	12,02	115
51	5,10	87	5,93	89	6,87	97	7,92	103	8,43	103	9,92	108	10,65	108	11,97	113	12,83	118
58	5,45	87	6,38	92	7,35	97	8,45	107	9,10	107	10,57	112	11,40	112	12,80	116	13,35	121
65	5,80	89	6,78	95	7,78	98	8,93	110	9,53	110	11,20	115	12,10	115	13,50	118	13,95	126
73	5,98	90	7,13	97	8,23	100	9,42	112	10,12	112	11,80	118	12,67	118	14,22	123	14,52	130
80	6,42	92	7,48	98	8,62	102	9,85	115	10,57	115	12,37	120	13,25	120	14,78	125	15,10	131

(\*Sprinkler at 1 meter height)

STANDARD Ø ft. : Diameter of coverage

- 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.