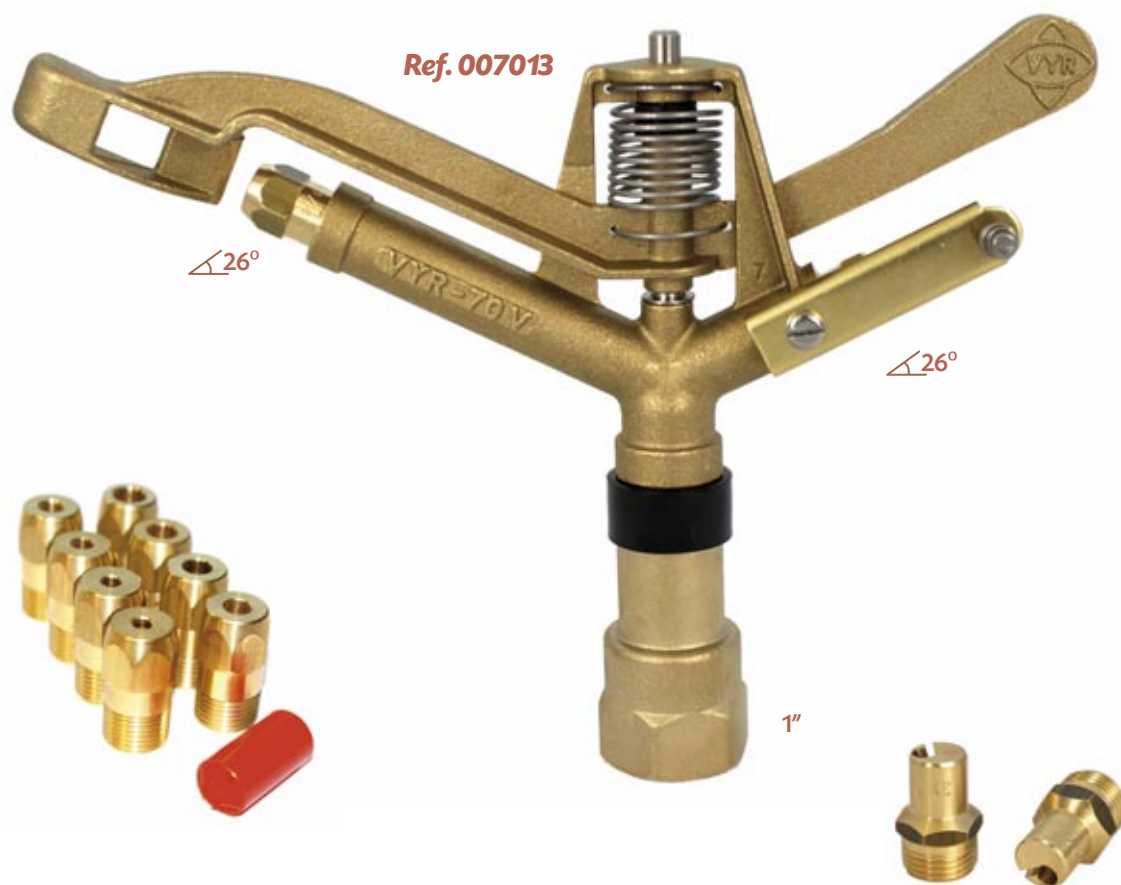


# VYR-70 VL



## VYR-70 VL · Full circle AG

### GENERAL PROPERTIES:

- Agricultural impact sprinkler with medium-high flow.
- 1" male or female connection.
- Made of brass and stainless steel.
- High-resistance rotating joints.
- Nozzle angles of 26° y 26°
- Special design for long reach.
- Used in full coverage irrigation with medium-high flow.

### TECHNICAL SPECIFICATIONS:

- Range distance: 13,5 - 27 m / 44 - 89 ft.
- Flow: 2000 - 9400 L/H / 528 - 2480 GPH.
- Working pressure: 2,75 - 6 BAR / 36 87 PSI.
- Area: Full circle.
- Nozzles: Two nozzles: one main nozzle and a secondary nozzle.
- Trajectory angles: 26° y 26°
- Maximum stream height: 5 m / 16,5 ft.
- Rotation time: Depending on the pressure and the nozzles, the rotation will be constant and continuous.
- Uniformity coefficient higher than 90% in areas of 20x20R, 22x22T and 22x24T (meters)

### APPLICATIONS:

- Used in all types of agricultural irrigation, generally with medium-high flow. Horticultural plantations, cereals, tubers, leguminous plants and fruit trees.

### MEASUREMENTS:

- Height: 20 cm / 7,9 in.
- Width: 28 cm / 11 in.
- Weight: 900 g / 2 Lbs.
- Units per box: 25

### OPTIONS:

- Threads in BSP or NPT under demand.
- Male and female connection.
- This model is suitable to be used over our irrigation traveller VYR - 5300.

### MODELS:

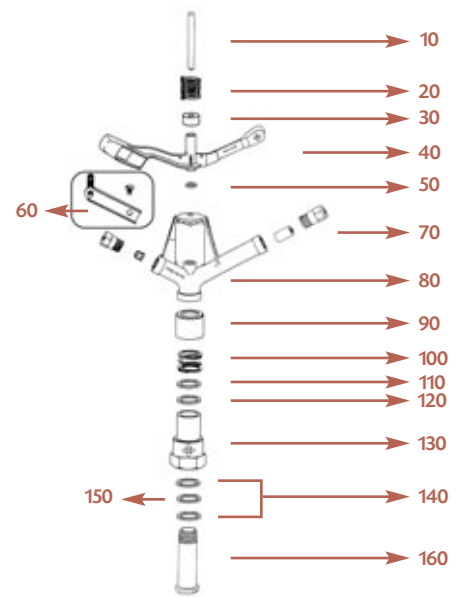
- Ref. 007011: 1" female connection.
- Ref. 007013: 1" male connection.
- Ref. 106000: Difuser pin plate.

## TABLES & PARTS

### Technical guidance table VYR-70 VL

NOZZLE	Spacing (m) / Precipit. rate (mm/h) Spacing (ft) / Precipit. rate (in/h)						
	BAR PSI	18x21 60x70	21x21 T 70x70 T	21x24 T 70x80 T	24x24 T 80x80 T	24x28 80x92	28x28 92x92
5,6 x 4,4 mm 7/32" x 11/64"	4	10,1	8	6,5	6,2	5,7	
	58	0,40	0,31	0,26	0,24	0,22	
	4,5	10,8	8,5	6,8	6,5	6,1	
6,4 x 4,8 mm 1/4" x 3/16"	65	0,43	0,33	0,27	0,26	0,24	
	5	11,3	9	7,2	6,9	6,4	
	73	0,44	0,35	0,28	0,27	0,25	
7,2 x 5,6 mm 9/32" x 7/32"	4	12,8	10,1	8,1	7,8	7,2	6,2
	58	0,50	0,40	0,32	0,31	0,28	0,24
	4,5	13,6	10,8	8,6	8,2	7,6	6,5
7,2 x 5,6 mm 9/32" x 7/32"	65	0,54	0,43	0,34	0,32	0,30	0,26
	5	14,3	11,3	9,1	8,7	8,1	6,9
	73	0,56	0,44	0,36	0,34	0,32	0,27
7,2 x 5,6 mm 9/32" x 7/32"	4	16,6	13,2	10,6	10,1	9,4	8
	58	0,65	0,52	0,42	0,40	0,37	0,31
	4,5	17,7	14	11,2	10,7	9,9	8,5
7,2 x 5,6 mm 9/32" x 7/32"	65	0,70	0,55	0,44	0,42	0,39	0,33
	5	18,6	14,7	11,8	11,3	10,5	9
	73	0,73	0,58	0,46	0,44	0,41	0,35

T: Triang. CU < 85% CU 85-88% CU 88-92% CU > 92%



### Performance nozzle tables VYR-70 VL

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

NOZZLE	5,6 mm 7/32"		6,4 mm 1/4"		7,2 mm 9/32"		8,0 mm 5/16"		8,8 mm 11/32"		9,6 mm 3/8"	
	BAR PSI	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH
3	2190	40	2850	42	3470	42	4190	45	4930	44	5710	44
44	579	131	753	138	917	138	1107	148	1302	144	1508	144
3,5	2370	42	3070	43	3730	44	4490	46	5335	46	6170	46
51	626	138	811	141	985	144	1186	151	1409	151	1630	151
4	2550	44	3300	44	4030	46	4850	48	5730	49	6650	49
58	674	144	872	144	1065	151	1281	157	1514	161	1757	161
4,5	2700	46	3515	46	4250	48	5150	50	6150	51	7020	52
65	713	151	929	151	1123	157	1360	164	1625	167	1854	171
5	2880	47	3690	48	4550	49	5450	52	6510	54	7470	55
73	761	154	975	157	1202	161	1440	171	1720	177	1973	180
5,5	3000	48	3900	50	4765	50	5700	54	6810	55	7835	57
80	793	157	1030	164	1259	164	1506	177	1799	180	2070	187



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

NOZZLE	5,6 x 4,4 mm 7/32" x 11/64"		6,4 x 4,4 mm 1/4" x 11/64"		6,4 x 4,8 mm 1/4" x 3/16"		7,2 x 4,8 mm 9/32" x 3/16"		7,2 x 5,6 mm 9/32" x 7/32"		8,8 x 5,6 mm 11/32" x 7/32"	
	BAR PSI	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH	Ø m Ø ft	L/H GPH
3	3720	39	4115	39	4435	39	5185	43	5335	43	6670	41,4
44	983	128	1087	128	1172	128	1370	141	1409	141	1762	136
3,5	3990	40	4390	42	4745	42	5600	44	5670	44	7225	43,2
51	1054	131	1160	138	1253	138	1479	144	1498	144	1909	142
4	4270	42	4765	44	5100	44	5970	45	6060	45	7715	45
58	1128	138	1259	144	1347	144	1577	148	1601	148	2038	148
4,5	4445	44	4930	46	5460	46	6420	46	6480	46	8100	47,4
65	1174	144	1302	151	1442	151	1696	151	1712	151	2140	156
5	4705	46	5190	48	5785	48	6660	47	6870	47	8580	48,8
73	1243	151	1371	157	1528	157	1759	154	1815	154	2267	160
5,5	4985	47	5490	49	6030	49	6990	49	7200	49	9000	52,4
80	1317	154	1450	161	1593	161	1847	161	1902	161	2378	172

Standard Ø: Diameter range

- 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.
- These results has been obtained at indoor laboratory with 0 m/seg win velocity. Outdoor results may change range distances.