



میراب سازه آسیا
Misaco.irrigation



IRRIGATION CATALOG

Agriculture

PROFESSIONAL IRRIGATION SYSTEMS
...FOR A SUSTAINABLE WORLD

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VYR-66



VYR-66 · Part circle AG

GENERAL PROPERTIES:

- Part circle impact sprinkler, medium flow.
- 3/4" male or female connection.
- Made of plastic and stainless steel.
- Arm with 2 steel weights inserted.
- High-resistance rotating joints.
- Nozzle angles of 30° and 11°
- Part circle mechanical system using clips that are very easy and quick to adjust.
- Used in full coverage irrigation with medium flow to cover the side and corner areas.
- Special mechanical and hydraulic design for energy saving and an optimal coverage coefficient.

TECHNICAL SPECIFICATIONS:

- Reach: 12 - 19 m / 39 - 62 ft.
- Flow: 800 - 3,270 L/H / 211 - 863 GPH
- Working pressure: 1.75 - 5 BAR / 25 - 72 PSI.
- Area: Part or full circle.
- Nozzles: One main long reach nozzle and a secondary short reach nozzle.
- Trajectory angles: 30° and 11°
- Maximum stream height: 4.0 m / 13.1 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 15x18R, 18x18T and 20x18T (meters).

APPLICATIONS:

- Horticultural plantations, cereals, tubers, leguminous and fruit trees.

MEASUREMENTS:

- Height: 16 cm / 6.3 in.
- Width: 18 cm / 7.1 in.
- Weight: 182 g / 0.40 Lbs.
- Units per box: 50

OPTIONS:

- Threads in BSP or NPT under demand.
- Plate with diffuser pin for the main jet.
- Foldable tripod for mobile installation.

MODELS:

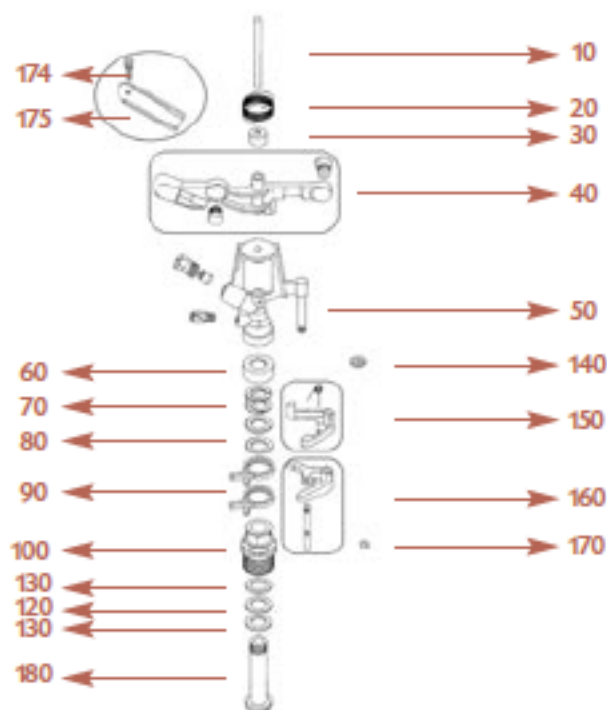
- Ref. 006600: Male without diffuser pin.
- Ref. 006610: Male with diffuser pin.
- Ref. 006620: Female without diffuser pin.
- Ref. 006621: Female with diffuser pin.

- Ref. 006600AF: Male without diffuser pin + AF Cap.
- Ref. 006610AF: Male with diffuser pin + AF Cap.
- Ref. 006620AF: Female without diffuser pin + AF Cap.
- Ref. 006621AF: Female without diffuser pin + AF Cap.

- Ref. 106600: Diffuser pin assembly.



TABLES & PARTS



Arm weights



Performance nozzle tables VYR-66

Long range nozzles (long vane) + plug

NOZZLE	3,2mm 1/8"	3,6mm 9/64"	4mm 5/32"	4,4mm 11/64"	4,8mm 3/16"	5,2mm 13/64"	5,6mm 7/32"
BAR PSI	L/H GPH Øm Øft	L/H GPH Øm Øft	L/H GPH Øm Øft	L/H GPH Øm Øft	L/H GPH Øm Øft	L/H GPH Øm Øft	L/H GPH Øm Øft
2,5	620 26	790 26,5	970 27,5	1160 29	1390 31	1640 31,5	1720 33
36	164 85	209 87	256 90	306 95	367 102	433 103	454 108
3	680 26	860 26,5	1050 28	1270 29,5	1510 32	1790 32,5	1880 34
44	180 85	227 87	277 92	335 97	399 105	473 107	496 112
3,5	740 26,5	930 27	1140 29,5	1380 31	1640 33	1930 33,5	2140 35
51	195 87	246 89	301 97	364 102	433 108	510 110	565 115
4	790 26,5	1000 28	1220 29,5	1470 32	1750 33,5	2060 34,5	2240 36
58	209 87	264 92	322 97	388 105	462 110	544 113	591 118
4,5	840 27	1060 29	1290 30	1550 32,5	1860 34	2180 35	2410 36,5
65	222 89	280 95	341 98	409 107	491 112	576 115	636 120
5	880 27,5	1120 29,5	1360 30,5	1640 33	1960 34,5	2290 35,5	2520 37,5
73	232 90	296 97	359 100	433 108	517 113	605 116	665 123
5,5	930 28	1170 30	1430 31	1720 34	2060 36	2380 36	2640 39
80	246 92	309 98	378 102	454 112	544 118	628 118	697 128

(Sprinkler at 1m height)



Ref. 106600

Difuser pin plate


Easy part-circle
adjustment

Long range nozzles (long vane) + short range nozzle

NOZZLE	3,2x2,4mm 1/8x3/32"	3,6x2,4mm 9/64x3/32"	4x2,4mm 5/32x3/32"	4,4x2,4mm 11/64x3/32"	4,4x2,8mm 11/64x7/64"	4,8x2,8mm 3/16x7/64"	4,8x3,2mm 3/16x1/8"	5,2x3,2mm 13/64x1/8"	5,6x3,2mm 7/32x1/8"
BAR PSI	L/H GPH Øm Øft	L/H GPH Øm Øft	L/H GPH Øm Øft	L/H GPH Øm Øft	L/H GPH Øm Øft	L/H GPH Øm Øft	L/H GPH Øm Øft	L/H GPH Øm Øft	L/H GPH Øm Øft
2,5	980 26	1150 26,5	1320 27,5	1520 29	1730 30,6	1895 31	2050 31	2310 31,5	2460 33
36	259 85	304 87	348 90	401 95	457 100	500 102	541 102	610 103	649 108
3	1070 26	1250 26,5	1450 28	1670 29,5	1800 31,6	2100 32	2240 32	2520 32,5	2730 34
44	282 85	330 87	383 92	441 97	475 104	554 105	591 105	665 107	721 112
3,5	1160 26,5	1350 27	1560 29,5	1800 31	1915 32	2255 33	2420 33	2720 33,5	2915 35
51	306 87	356 89	412 97	475 102	506 105	595 108	639 108	718 110	770 115
4	1240 26,5	1450 28	1670 29,5	1920 32	2070 32,4	2400 33,5	2590 33,5	2910 34,5	3035 36
58	327 87	383 92	441 97	507 105	546 106	634 110	684 110	768 113	801 118
4,5	1320 27	1540 29	1770 30	2030 32,5	2165 33	2545 34	2750 34	3070 35	3170 36,5
65	348 89	407 95	467 98	536 107	572 108	672 112	726 112	810 115	837 120
5	1360 27,5	1620 29,5	1870 30,5	2140 33	2300 33,4	2680 34,5	2880 34,5	3230 35,5	3300 37,5
73	359 90	428 97	494 100	565 108	607 110	708 113	760 113	853 116	871 123
5,5	1460 28	1700 30	1960 31	2240 34	2400 33,8	2810 36	3010 36	3360 36	3430 39
80	385 92	449 98	517 102	591 112	634 111	742 118	795 118	887 118	906 128

Standard Ø: Diameter range

(Sprinkler at 1m height)

- 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.



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