

VYR-157



VYR-157 · Part circle AG

GENERAL PROPERTIES:

- Piston drive raingun sprinkler, high flow.
- 2 1/2" and 3" female connection.
- Made of aluminium, brass, plastic and stainless steel.
- High-resistance rotating joints.
- Nozzle angles of 25° and 22°
- Special design for long reach.
- Used in full coverage irrigation with very high flow.
- Rotation speed adjustment.

TECHNICAL SPECIFICATIONS:

- Reach: 24-42 m (2") and 39 - 69 m (3") / 105 - 226 ft.
- Flow: 10,250 - 25,000 l/h (2") and 24,250 - 121,250 l/h (3") / 4.224 - 31.944 GPH.
- Working pressure: 4 - 8 BAR / 58 - 116 PSI.
- Area: Part or full circle.
- Nozzles: One main multi-jet nozzle for long reach and a secondary nozzle for short reach.
- Trajectory angles: 25° and 22°
- Maximum stream height: 7.5 m / 25 ft.
- Rotation time: Adjustable by a side control command screw.
- Uniformity coefficient higher than 90% in areas of 35x35R, 40x40T, 40x45T (2") and 55x55R, 60x60T, 60x65T(3") (meters).

APPLICATIONS:

- Dust suppression.
- Irrigation for sport fields.
- Roller traveller sprinkler irrigation.
- Horticultural plantations, cereals, tubers, leguminous plants and fruit trees.
- Mining.
- Firewall.

MEASUREMENTS:

- Height: 30 cm and 50 cm / 11,8 and 19,7 in.
- Width: 45 cm and 80 cm / 17,7 and 31,5 in.
- Weight: 4 kg and 7.5 kg / 8,8 and 16,5 Lbs.
- Units per box: 1

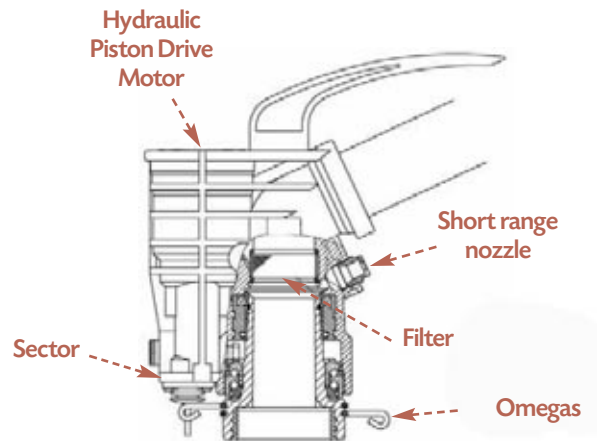
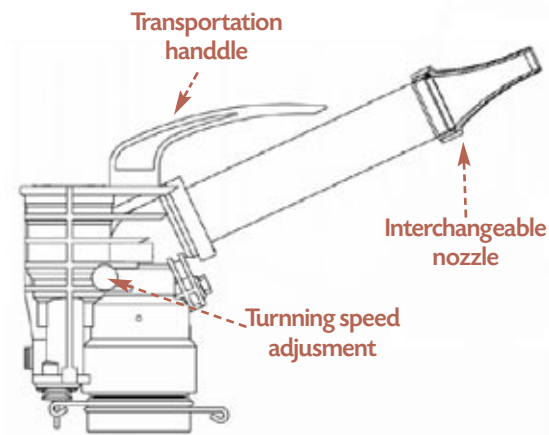
OPTIONS:

- Automatic kit with 2" or 3" valve, hydraulically or electrically driven.
- Foldable tripod for mobile installation.
- Complete set of nozzles.

MODELS:

- **Ref. 015701:** Piston drive gun sprinkler 2 1/2"
- **Ref. 015700:** Piston drive gun sprinkler 3"

TABLES & PARTS



Performance nozzle tables VYR-157 S

Long range nozzles (long vane) + short range nozzle

NOZZLE	14 x 5 mm 0,55" x 13/64"		16 x 5 mm 0,63" x 13/64"		18 x 5 mm 0,71" x 13/64"		20 x 5 mm 0,79" x 13/64"		22 x 5 mm 0,87" x 13/64"		24 x 5 mm 0,94" x 13/64"		
	BAR PSI	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft
4	15.870	32	20.140	35	24.980	40	30.380	41,5	36.360	43	42.910	45	
58	4.200	105	5.322	115	6.576	131	8.028	136	9.612	140	11.340	148	
5	17.740	34	22.520	38	27.930	43	33.970	45	40.65	46	47.970	48	
73	4.680	112	5.952	125	7.380	141	8.976	148	10.746	151	12.678	157	
6	19.440	36	24.660	41	30.590	46	37.210	48	44.530	50	52.550	52	
87	5.160	118	6.516	134	8.088	151	9.834	157	11.772	164	13.890	170	
7	20.990	38	26.640	43	33.040	47	40.190	50	48.100	51,5	56.760	53,5	
102	5.580	125	7.044	141	8.736	154	10.626	164	12.714	174	15.000	175	



Performance nozzle tables VYR-157 L

Long range nozzles (long vane) + short range nozzle

NOZZLE	18 x 5 mm 0,71" x 13/64"		20 x 5 mm 0,79" x 13/64"		22 x 5 mm 0,87" x 13/64"		24 x 5 mm 0,94" x 13/64"		26 x 5 mm 1,02" x 13/64"		28 x 5 mm 1,10" x 13/64"		30 x 5 mm 1,18" x 13/64"		32 x 5 mm 1,26" x 13/64"		34 x 5 mm 1,34" x 13/64"	
	BAR PSI	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	L/H GPH	R-m R-ft	
5	29.700	42	35.700	44	42.400	46	49.700	48	57.700	50	66.300	53	75.500	55	85.400	57	95.900	58
73	7.848	138	9.432	144	11.208	151	13.134	157	15.252	164	17.526	174	19.956	180	22.572	187	25.350	190
6	32.500	45	39.100	47	46.500	49	54.400	51	63.200	53	72.600	56	82.700	58	93.500	60	105.000	61
87	8.592	148	10.332	154	12.288	161	14.406	167	16.704	174	19.188	184	21.858	190	24.714	197	27.780	200
7	35.100	48	42.300	50	50.200	52	58.800	54	68.200	57	78.400	60	89.300	63	101.00	65	113.40	66
102	9.276	157	11.178	164	13.266	170	15.540	177	18.024	187	20.724	197	23.604	207	26.694	213	29.976	216
8	37.500	50	45.200	52	53.600	54	62.900	56	72.900	59	83.800	62	95.500	65	108.00	67	121.30	69
114	9.912	164	11.946	170	14.166	177	16.626	184	19.266	193	22.152	203	25.242	213	28.548	220	32.076	226

Standard R: Range distance

- 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.