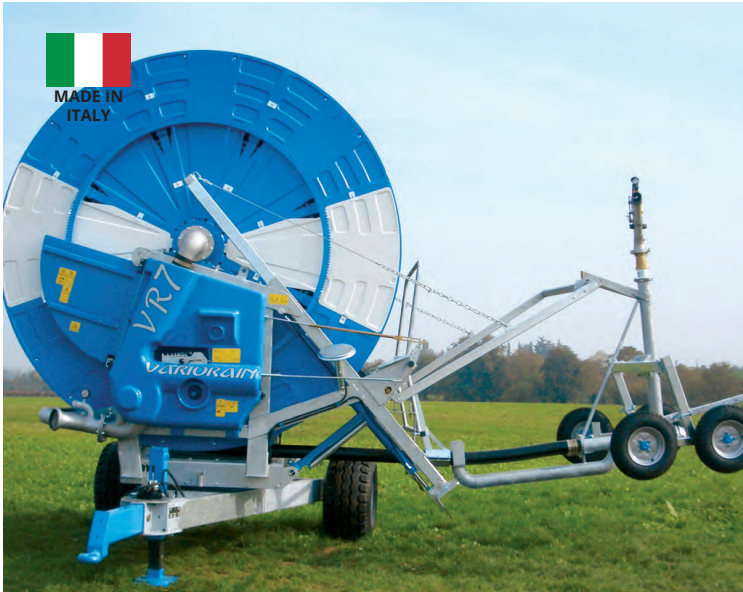




**SOUTHERN
IRRIGATION**

VR7 - 125 x 500 OCMIS



FEATURES

- VarioRain Transmission
- Speed compensation
- Hose cart flushout
- All galvanized frame & 4-wheel guncart
- Galvanized Reel
- Non-rusting aluminum elbow entering machine
- Triple gaskets on inlet elbow
- Crossover hose hook-up to either side of machine
- Emergency PTO rewind capability
- 20 feet of supply hose
- Ball & socket quick connects
- Fully adjustable guncart
- Adjustable part circle sprinkler gun
- Direct gear drive systems - no chains
- Hydraulic stabilizer legs and gun cart by tractor
- Hydraulic turntable by tractor
- Hydraulic drawbar by tractor
- Aquastar computer and solar panel
- Water inlet filter
- 108 mm Bauer water inlet

AVAILABLE OPTIONS

- Watering boom
- Blow out compressor
- Rewind by engine
- Engine hydraulics
- Nelson Big Gun/Komet Twin Ultra

SPECIFICATIONS

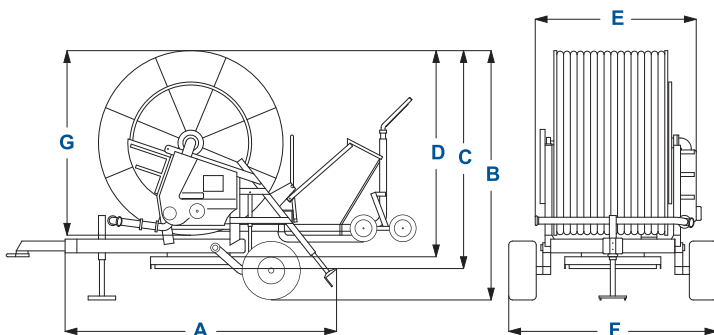
- 1640 feet, 4.02" i.d. hose (125 mm x 500 m)
- Sime-Explorer gun -- 32/34/36mm nozzles
- Dry Weight: 11,080 lbs | Wet Weight: 20,481 lbs
- Turbine Drive

PERFORMANCE SUMMARY

Nozzle Size	Flow Rate (GPM)	Inlet Press. (PSI)	Sprinkler Press. (PSI)	Width 75% 25% Overlap (FT)
28 mm / 1.1 in	289	109	73	275
30 mm / 1.2 in	333	117	73	275
32 mm / 1.3 in	378	127	73	285
34 mm / 1.3 in	427	136	73	290

Performance Chart

DIMENSIONS



A inch	B inch	C inch	D inch	E inch	F inch	G inch
143	157	140	133	93	96	121



VR7- 125 x 500 PERFORMANCE CHART

SPRINKLER nozzle	SPRINKLER THROW	RECOMENDED STRIP 80%	WATER DELIVERY gallon	gallon	AREA POSITION	inch OF RAIN ON IRRIGATED STRIP AND RECOMENDED PRESSURE AT THE MACHINE																	
						0,394	inch	0,591	inch	0,788	inch	0,985	inch	1,182	inch	1,379	inch	1,576	inch	1,97	inch	2,364	inch
	psi	feet	feet	MIN.	HOURL	ACRES	feet	psi	feet	psi	feet	psi	feet	psi	feet	psi	feet	psi	feet	psi	feet	psi	feet
mm	44	144	231	224	13.432	9,29	237	76	158	73	119	73	95	71	79	70	68	70	59	70	47	68	40
28,0	58	167	268	259	15.539	10,91	237	95	158	92	118	92	95	91	79	90	68	90	59	90	47	88	39
inch	65	174	278	275	16.474	11,38	241	105	161	102	121	102	97	101	80	99	69	99	60	99	48	98	40
1,1	73	184	294	289	17.361	12,09	241	115	161	112	120	112	96	110	80	109	69	109	60	109	48	107	40
	80	190	304	303	18.200	12,57	244	124	162	121	122	121	97	120	81	119	70	119	61	119	49	117	41
	87	197	315	317	19.024	13,05	246	134	164	131	123	131	99	130	82	128	70	128	62	128	49	127	41
recommended gear speed							3.2		1.2		1.2		3.1		2.1		2.1		2.1		1.1		1.1
mm	44	157	252	257	15.428	10,21	250	81	166	78	125	78	100	76	83	75	71	75	62	75	50	73	42
30,0	58	171	273	298	17.852	11,14	267	102	178	99	133	99	107	97	89	96	76	96	67	96	53	94	44
inch	65	177	283	315	18.929	11,61	272	112	182	109	136	109	109	108	91	106	78	106	68	106	54	105	45
1,2	73	184	294	333	19.958	12,09	277	122	185	119	138	119	111	118	92	117	79	117	69	117	55	115	46
	80	190	304	348	20.909	12,57	280	133	187	130	140	130	112	128	93	127	80	127	70	127	56	125	47
	87	197	315	365	21.875	13,05	283	143	189	140	142	140	113	139	94	137	81	137	71	137	57	136	47
recommended gear speed							3.2		1.2		1.2		3.1		2.1		2.1		2.1		1.1		1.1
mm	58	177	283	338	20.307	11,61	292	109	195	106	146	106	117	105	97	103	83	103	73	103	58	102	49
32,0	65	184	294	359	21.527	12,09	299	120	199	117	149	117	119	116	100	114	85	114	75	114	60	113	50
inch	73	190	304	378	22.699	12,57	304	131	203	128	152	128	122	127	101	126	87	126	76	126	61	124	51
1,3	80	197	315	396	23.776	13,05	308	142	205	139	154	139	123	138	103	137	88	137	77	137	62	135	51
	87	203	325	414	24.869	13,53	312	153	208	151	156	151	125	149	104	148	89	148	78	148	62	146	52
recommended gear speed							3.2		1.2		1.2		3.1		3.1		2.1		2.1		1.1		1.1
mm	65	190	304	406	24.330	12,57	326	130	217	127	163	127	130	125	109	124	93	124	81	124	65	123	54
34,0	73	194	310	427	25.645	12,81	338	142	225	139	169	139	135	138	113	136	96	136	84	136	68	135	56
inch	80	203	325	448	26.865	13,53	337	154	224	151	168	151	135	149	112	148	96	148	84	148	67	147	56
1,3	87	210	336	468	28.100	14,02	341	166	227	163	171	163	136	162	114	160	97	160	85	160	68	159	57
recommended gear speed							3.2		1.2		1.2		3.1		3.1		2.1		2.1		1.1		1.1

These tables are merely indicative because they have been worked out through mathematical formula and according to average working condition. Consequently Ocmis declines any responsibilities deriving from their application.

Drum
Engineered for compactness. Painted with epoxy primer and polyurethane compound paint using vanguard techniques.

PE Hose
Top quality PE hose manufactured to resist very heavy drags and very high working pressures.

Frame:
The chassis is made of bolted sections, composed of strong steel beams electronically welded by robots and hot dipped galvanized.

Gun Stand
Gun stand available in 2-wheel, 4-wheel or 5-wheel versions according to model. Special versions available to accommodate the most varied work conditions.

Turntables
Turntables are mounted on large diameter bearings for easy rotation.

Stabilizing Legs
Large hydraulic or mechanical stabilizer legs assure stability to the machine in the toughest working conditions.

Hose Guide System
A scroll bar system guarantees a perfect layering of the polyethylene hose and reduces hose wear to a minimum.

VARIO RAIN pure technology

The Vario Rain Gearbox is derived from Ocmis' continued investment in R&D, resulting in a gearbox with lower pressure drops, easy to use, versatile, robust, and needing minimum maintenance. Standard on all V-series reels.

1. The most efficient turbine on the market-- requiring less water and pressure to run gearbox, allowing more water and pressure to flow through to the gun.
2. No back-stop (no anti-reverse pawl) - middle position of gear lever is for transport (locks down drum). No backlash when changing speeds.
3. Impossible to break gearbox by winding up hose with PTO; gear shift must be in correct position otherwise reel will not turn.
4. If a rock locks up the impeller you can reverse the impeller (turning the outlet shaft next to turbine), release the rock without having to open up the turbine.
5. You can always see what speed you are in:
Upper lever - Variable speeds: 1-2-3-4
Lower lever - Left position: hose/cart pull-out (& PTO wind-up)
Centre Position: drum lock down (for transport)
Right Position: working position