



Rodney Industries

2025



RI 250P

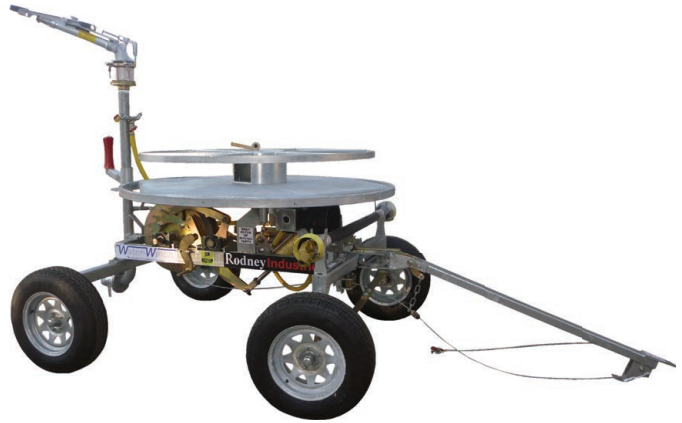
TRAVELLING IRRIGATORS

MACHINE DETAILS & PERFORMANCE DATA



RI250P WATER WINCH

Piston Drive Travelling Irrigator



OPERATING PRESSURE

413 – 482
kPa



FLOW RATE

5.15 – 12.51
L/S



WETTED WIDTH

69 – 89
Mtrs



TRAVEL DISTANCE PER RUN

Up to 300
Mtrs

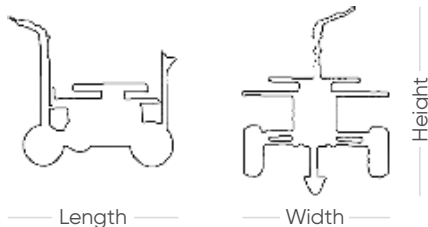


GROUND CLEARANCE

250
mm

STANDARD EQUIPMENT

- Hose reel
- 310 m x 6 mm wire rope
- Brake kit
- No purge
- 175/75 x 14" galvanized steel rims & tyres
- PTO shaft
- Galvanized chassis
- Galvanized reel



Weights and Dimensions

Length mm	Width mm	Height mm	Weight kg
2250	1830	1800	725

Please note: Weight does not include Big Gun or hose.

FREIGHT INFORMATION



The RI250P requires a forklift for loading and unloading.
Any truck size is suitable for transportation.

Irrigator	Code
Travelling Irrigator RI250P Base Unit	RI250P

Irrigation Gun Options	Code
Nelson SR100 Big Gun Kit	SR100K
SIME Royal Kit	140036KIT
Twin 101 Ultra 24" Kit	5010253KIT

Irrigation Hose Options	Code
Angus Flowmaster Hose 2½" x 150m	25027APU
Angus Flowmaster Hose 3" x 150m	25031APU

Machine Options	Code
Purge Kit (Model MEC1000 Vacuum Pump)	76099A
Floatation Wheels	76744UG

Fitting Options	Code
Ring Type Coupler 2½" x 3"	9990
Ring Type Coupler 3" x 3"	9991

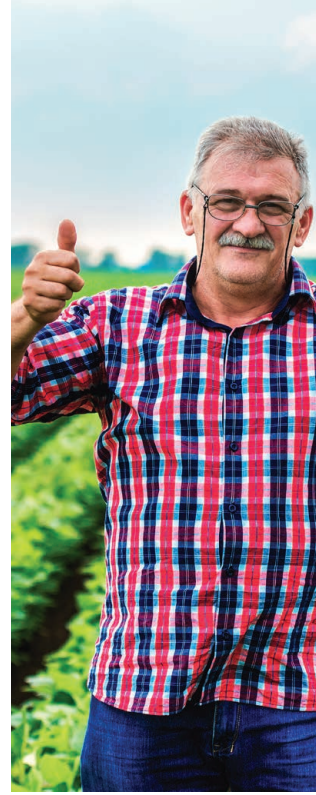
Seal Kits	Code
Seal Kit to suit Actuate Valve	76621
Seal Kit to suit Ram Water Winch	76719

RI250P

PERFORMANCE SPECIFICATIONS

Sprinkler	Nozzle Dia.		Sprinkler Pressure		Output		Wetted Width		Approx Lane Spacing		300m (15 Chain) Run						Average Precipitation Rate (Full Circle)	Angus Hose Friction Loss (PSI/KPA) Per 100 Mets @ 70PSI / 482KPA												
											Approx. Area Per Run		Gross Application					22 Hr Run		2.5"		3"		3.5"		4"		4.5"		
	mm	Ins	kPa	P.S.I.	l.p.s.	G.P.M	m	Ft.	ha	ac	mm	Ins	mm	Ins	mm	Ins	mmp.h	p.p.h.	KPA	PSI	KPA	PSI	KPA	PSI	KPA	PSI	KPA	PSI		
NELSON AUSTRALIA SR100 21°	18.0 0.712		413	60	5.15	68	69	228	45	148	1.36	3.36	14.9	0.59	299	1.18	5.3	21	294	4.2										
			482	70	5.53	73	72	237	47	154	1.42	3.50	15.4	0.61	30.9	1.22	5.3	21	33.5	4.8										
	19.5 0.768		413	60	6.06	80	71	232	46	151	1.39	3.43	17.2	0.68	34.5	1.36	6.0	24	43.1	6.2										
			482	70	6.59	87	74	243	48	158	1.45	3.59	18.0	0.71	36.0	1.42	6.0	24	49.0	7.1										
NELSON AUSTRALIA SR100 21°	20.6 0.812		413	60	6.97	92	72	237	47	154	1.42	3.50	19.5	0.77	39.1	1.54	6.8	27	50.8	7.3										
			482	70	7.43	98	77	252	50	164	1.51	3.73	19.5	0.77	39.1	1.54	6.3	25	60.3	8.7										
	21.8 0.857		413	60	7.88	104	77	252	50	164	1.51	3.73	20.5	0.81	41.1	1.62	6.8	27	66.5	9.6										
			482	70	8.56	113	81	267	53	174	1.60	3.95	21.0	0.83	42.1	1.66	6.6	26	73.5	10.6										
NELSON AUSTRALIA SR100 21°	22.7 0.895		413	60	8.94	118	80	262	52	170	1.56	3.86	22.6	0.89	45.2	1.78	7.1	28	78.4	11.3										
			482	70	9.63	127	86	281	56	183	1.68	4.16	22.6	0.89	45.2	1.78	6.8	27	93.6	13.5										
	23.6 0.927		413	60	10.38	137	81	267	53	174	1.60	3.95	25.6	1.01	51.8	2.02	8.1	32	107.8	15.6									36.3	5.2
			482	70	11.22	148	87	286	57	186	1.71	4.22	25.9	1.02	51.8	2.04	7.6	30	125.5	18.2									42.2	6.1
NELSON AUSTRALIA SR100 21°	24.5 0.965		413	60	11.60	153	83	272	54	177	1.63	4.02	28.1	1.11	56.3	2.22	8.6	34	134.3	19.4	46.8	6.8								
			482	70	12.51	165	89	291	58	189	1.74	4.30	28.4	1.12	56.8	2.24	8.1	32	150.4	21.8	51.2	7.4								

Please note: Friction losses are to be used as a guide only.





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