



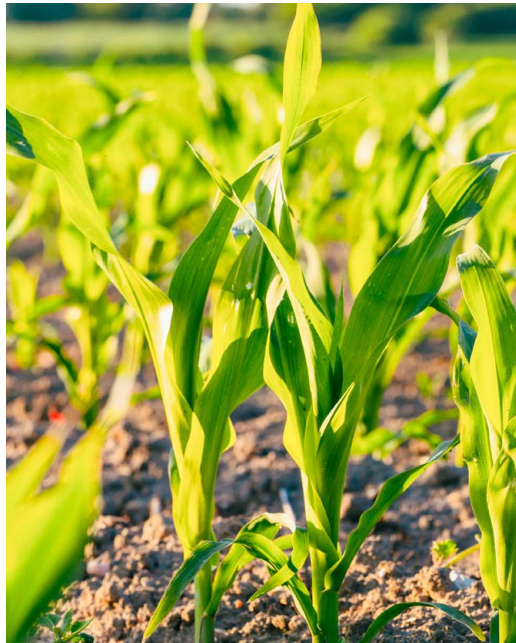
Rodney Industries

TRAVELLING IRRIGATORS

- Rotor Drive
- Piston Drive
- Turbine Drive

2024

RODNEY INDUSTRIES TRAVELLING IRRIGATORS



Australian Designed

Australian Manufactured

DISCOVER THE RODNEY INDUSTRIES TRAVELLING IRRIGATOR RANGE

At Rodney Industries, we understand the unique challenges of Australian agriculture. That's why our Travelling Irrigator Range, manufactured right here in Brisbane, is designed to withstand the harshest conditions. Featuring a fully galvanised hose reel and chassis, our irrigators are built for durability and reliability.



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RI 10

RI RANGE

Rotor Drive Travelling Irrigator



OPERATING PRESSURE

275 - 345
kPa



FLOW RATE

.73 - 1.4
L/S



WETTED WIDTH

32 - 40
Mtrs



TRAVEL DISTANCE PER RUN

100
Mtrs

STANDARD EQUIPMENT

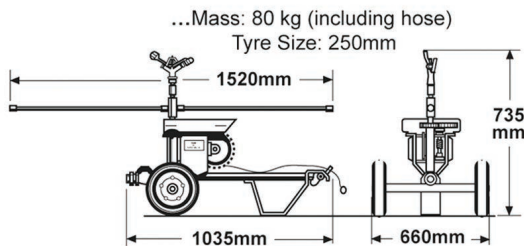
- Water-jet powered rotary driving arms acting through high quality worm reduction drive to cable winch.
- Heavy duty welded steel chassis all hot dip galvanized.

Basic Irrigator	Code
Without Hose Kit & Sprinkler	RI010

Complete Irrigator	Code
1" x 55m Hose Kit Hose connection to irrigator end only Nelson F70 Sprinkler with 5.6mm Nozzle	RI010K

Nozzle Options	Code
5.6mm	7RN732
6.4mm	7RN14
7.2mm	7RN932
8.0mm	7RN516

Seal Kits	Code
Seal Kit to Suit RI10 & RI20	TCAKIT




FREIGHT INFORMATION

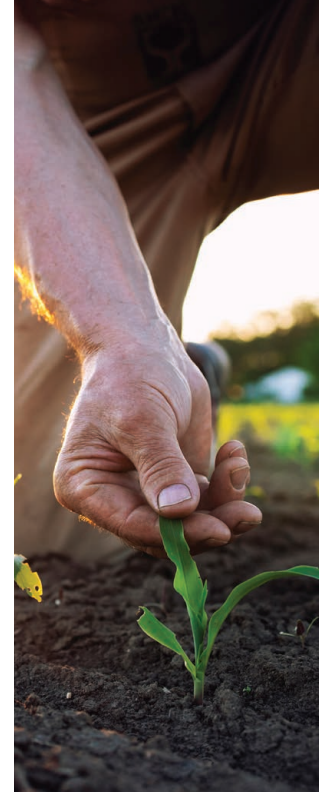


The RI 10 is despatched on a skid and requires a forklift for loading and unloading.

RI 10

PERFORMANCE SPECIFICATIONS

Sprinkler and Hose	Nozzle Diam. Mm (ins)	Sprinkler Pressure kPa (psi)	Flow Rate l/sec (gpm)	Friction Loss in Hose kPa (psi)	Sprinkler Wetted Width m (ft)	Average Application Rate/hr mm (points)	Depth of water Applied Per Run @ Travel Speed mm (inches)
Nelson F70V Sprinkler 55m x 25mm Hose 	5.6 (7/32)	275 (40)	0.73 (9.7)	55 (8.0)	32 (106)	3.7 (14.5)	11.7 (0.46) @ 7m/hr
		345 (50)	0.81 (10.6)	69 (10.0)	34 (110)	3.7 (14.7)	12.4 (0.49) @ 7m/hr
	6.4 (1/4)	275 (40)	0.90 (11.9)	90 (13.0)	33 (109)	4.3 (16.8)	14.0 (0.55) @ 7m/hr
		345 (50)	0.99 (13.1)	112 (16.2)	35 (114)	4.3 (16.9)	14.7 (0.58) @ 7m/hr
	7.2 (9/32)	275 (40)	1.08 (14.3)	135 (19.6)	34 (112)	4.9 (19.2)	16.3 (0.64) @ 7m/hr
		345 (50)	1.19 (15.7)	161 (23.4)	36 (119)	4.7 (18.6)	16.8 (0.66) @ 7m/hr
	8.0 (5/16)	275 (40)	1.30 (17.7)	165 (24.0)	38 (124)	5.5 (21.8)	18.0 (0.70) @ 7m/hr
		345 (50)	1.40 (19.7)	195 (28.3)	40 (131)	5.7 (22.8)	18.5 (0.72) @ 7m/hr



RI 20

RI RANGE

Rotor Drive Travelling Irrigator



OPERATING PRESSURE

345 - 483
kPa



FLOW RATE

1.73 - 7.12
L/S



WETTED WIDTH

44 - 67
Mtrs



TRAVEL DISTANCE PER RUN

126
Mtrs

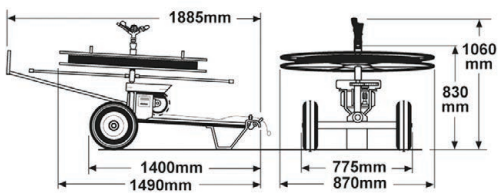
STANDARD EQUIPMENT

- Water-jet powered rotary driving arms acting through high quality worm reduction drive to cable winch.
- Heavy duty welded steel chassis all hot dip galvanized.



RI 20 with wheels

...Mass: 135 kg (including hose)



FREIGHT INFORMATION



The RI 20 is despatched on a skid and requires a forklift for loading and unloading.

Basic Irrigator With Skid	Code
Without Hose Kit & Sprinkler	RI020S

Complete Irrigator With Skid	Code
1 1/2" x 67m Hose Kit Hose connection to irrigator end only Nelson F80 Full Circle Sprinkler with 8.7mm Main Nozzle	RI020KS

Basic Irrigator With Wheels	Code
Without Hose Kit & Sprinkler	RI020W


Complete Irrigator With Skid	Code
1 1/2" x 67m Hose Kit Hose connection to irrigator end only Nelson F80 Full Circle Sprinkler with 8.7mm Main Nozzle	RI020KW

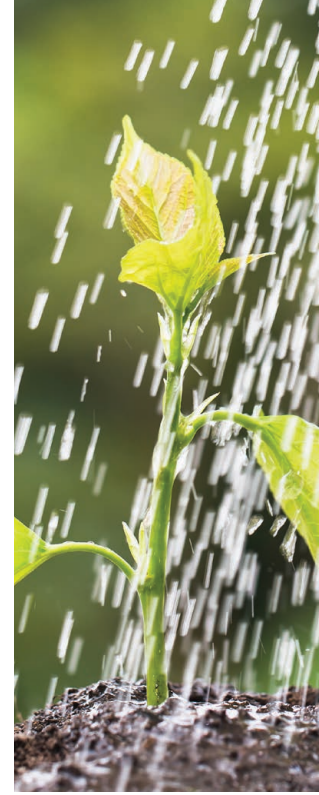
Nozzle Options	Code
8.7mm	8DRN1132
9.5mm	8DRN38
11.1mm	8DRN716
11.9mm	8DRN1532
12.7mm	8DRN12
14.3mm	8DRN916
15.1mm	8DRN1932
15.9mm	8DRN58
17.5mm	8DRN1116

Seal Kits	Code
Seal Kit to Suit RI10 & RI20	TCAKIT

RI 20

PERFORMANCE SPECIFICATIONS

Sprinkler and Hose	Nozzle Diam. Mm (ins)	Sprinkler Pressure kPa (psi)	Flow Rate l/sec (gpm)	Friction Loss in Hose kPa (psi)	Sprinkler Wetted Width m (ft)	Average Application Rate/hr mm (points)	Depth of water Applied Per Run @ Travel Speed mm (inches)
 Nelson F80V Sprinkler 67m x 40mm Hose	8.7 (11/32)	345 (50)	1.73 (22.8)	14 (2.0)	44.0 (144)	4.7 (18.5)	35.3 (1.39) @ 4m/hr
		483 (70)	2.05 (27.0)	16 (2.3)	48.6 (160)	4.5 (17.7)	37.6 (1.48) @ 4m/hr
	9.5 (3/8)	345 (50)	2.02 (26.7)	16 (2.3)	45.6 (150)	5.1 (20.0)	399 (1.57) @ 4m/hr
		483 (70)	2.38 (31.5)	24 (3.5)	50.6 (166)	4.9 (19.2)	42.4 (1.67) @ 4m/hr
	10.3 (13/32)	345 (50)	2.34 (30.9)	24 (3.5)	47.4 (156)	5.4 (21.4)	44.2 (1.74) @ 4m/hr
		483 (70)	2.77 (36.6)	31 (4.5)	52.4 (172)	5.3 (20.8)	47.8 (1.88) @ 4m/hr
	11.1 (7/16)	345 (50)	2.64 (34.8)	28 (4.1)	49.4 (162)	5.7 (22.3)	48.0 (1.89) @ 4m/hr
		483 (70)	3.14 (41.5)	40 (5.8)	54.8 (180)	5.5 (21.6)	51.6 (2.03) @ 4m/hr
	11.9 (15/32)	345 (50)	2.99 (39.5)	36 (5.2)	51.2 (168)	6.0 (23.5)	52.6 (2.07) @ 4m/hr
		483 (70)	3.55 (46.9)	47 (6.8)	56.6 (186)	5.8 (22.8)	56.4 (2.22) @ 4m/hr
	12.7 (1/2)	345 (50)	3.37 (44.5)	46 (6.7)	53.0 (174)	6.3 (24.7)	57.2 (2.25) @ 4m/hr
		483 (70)	3.40 (52.8)	66 (9.6)	58.4 (192)	6.1 (24.1)	61.5 (2.42) @ 4m/hr
	13.5 (17/32)	345 (50)	3.76 (49.6)	58 (8.4)	54.8 (180)	6.6 (25.8)	61.7 (2.43) @ 4m/hr
		483 (70)	4.46 (58.9)	80 (11.6)	60.4 (198)	6.4 (25.3)	66.5 (2.62) @ 4m/hr
	14.3 (9/16)	345 (50)	4.17 (55.0)	70 (10.2)	56.0 (184)	6.9 (27.3)	66.8 (2.63) @ 4m/hr
		483 (70)	4.94 (65.2)	98 (14.2)	62.2 (204)	6.7 (26.3)	71.4 (2.81) @ 4m/hr
	15.1 (19/32)	345 (50)	4.59 (60.6)	85 (12.3)	58.8 (192)	7.0 (27.6)	70.6 (2.78) @ 4m/hr
		483 (70)	5.45 (72.0)	120 (17.4)	63.8 (208)	7.1 (28.0)	77.5 (3.05) @ 4m/hr
	15.9 (5/8)	345 (50)	5.02 (66.2)	101 (14.7)	61.6 (202)	6.9 (27.3)	73.4 (2.89) @ 4m/hr
		483 (70)	5.96 (78.7)	144 (20.8)	65.2 (214)	7.3 (28.9)	82.3 (3.24) @ 4m/hr
17.5 (11/16)	345 (50)	6.01 (79.3)	146 (21.2)	61.6 (202)	8.3 (32.7)	879 (3.46) @ 4m/hr	
	483 (70)	7.12 (94.0)	201 (29.2)	670 (220)	8.3 (32.6)	95.8 (3.77) @ 4m/hr	



RI 30

RI RANGE

Piston Drive Travelling Irrigator



OPERATING PRESSURE

413 - 551
kPa



FLOW RATE

1.7 - 7.3
L/S



WETTED WIDTH

46 - 70
Mtrs

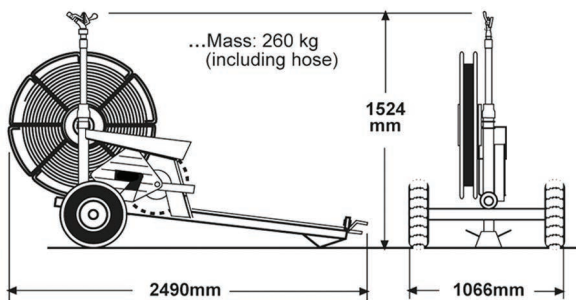


TRAVEL DISTANCE PER RUN

200
Mtrs

STANDARD EQUIPMENT

- Powerful piston type water motor with lever action drive to large diameter cable winch.
- Heavy duty welded steel chassis all hot dip galvanized.
- Vertical type for easy layout and rewind.



Basic Irrigator	Code
Without Hose Kit & Sprinkler	RI030B

Complete Irrigator	Code
100m x 2" Angus Hi-Flow Irrigator Hose 2" Hose connection on irrigator end only Nelson P85 Part Circle Sprinkler with 8.7mm Main Nozzle	RI030X

Nozzle Options	Code
8.7mm	8DRN1132
9.5mm	8DRN38
10.3mm	8DRN1332
11.1mm	8DRN716
11.9mm	8DRN1532
12.7mm	8DRN12
13.5mm	8DRN1732
14.3mm	8DRN916
15.1mm	8DRN1932
15.9mm	8DRN58
17.5mm	8DRN1116

Seal Kits	Code
Seal Kit to Suit RI30	PCCKIT


FREIGHT INFORMATION



The RI 30 is despatched on a skid and requires a forklift for loading and unloading.

RI 30

PERFORMANCE SPECIFICATIONS

Sprinkler and Hose	Nozzle Diam. Mm (ins)	Sprinkler Pressure kPa (psi)	Flow Rate l/sec (gpm)	Friction Loss in Hose kPa (psi)	Sprinkler Wetted Width m (ft)	Average Application Rate/hr mm (points)	Depth of water Applied Per Run @ Travel Speed mm (inches)		
							11hr Run	23hr Run	47hr Run
 Nelson P85 Sprinkler 100m x 50mm Hose (200m Spray Run)	8.7 (11/32)	413 (60) 551 (80)	1.68 (22.2) 1.93 (25.5)	9 (1.3) 12 (1.7)	4.6 (15.2) 5.1 (16.6)	4.0 (15.6) 4.0 (15.6)	10 (0.40) 11 (0.42)	21 (0.84) 23 (0.89)	44 (1.73) 46 (1.81)
	9.5 (3/8)	413 (60) 551 (80)	1.99 (26.3) 2.30 (33.0)	12 (1.8) 16 (2.3)	4.8 (15.8) 5.2 (17.2)	4.4 (17.3) 4.4 (17.3)	12 (0.46) 12 (0.49)	24 (0.96) 26 (1.02)	50 (1.95) 53 (2.08)
	10.3 (13/32)	413 (60) 551 (80)	2.35 (31.0) 2.70 (35.7)	17 (2.4) 22 (3.2)	5.1 (16.6) 5.5 (18.0)	4.8 (19.0) 4.8 (19.0)	13 (0.52) 14 (0.55)	27 (1.08) 29 (1.14)	56 (2.20) 59 (2.33)
	11.1 (7/16)	413 (60) 551 (80)	2.68 (35.4) 3.11 (41.1)	21 (3.1) 30 (4.3)	5.2 (17.2) 5.7 (18.6)	5.1 (19.9) 5.1 (19.9)	14 (0.57) 15 (0.61)	30 (1.19) 32 (1.27)	62 (2.43) 66 (2.60)
	11.9 (15/32)	413 (60) 551 (80)	3.07 (40.5) 3.55 (46.8)	28 (4.1) 37 (5.4)	5.4 (17.8) 5.9 (19.4)	5.4 (21.3) 5.4 (21.3)	16 (0.62) 17 (0.66)	33 (1.31) 35 (1.39)	68 (2.67) 72 (2.83)
	12.7 (1/2)	413 (60) 551 (80)	3.48 (45.9) 4.03 (53.2)	38 (5.5) 47 (6.8)	5.6 (18.4) 6.1 (20.0)	5.8 (22.7) 5.8 (22.7)	18 (0.69) 19 (0.73)	36 (1.43) 39 (1.53)	74 (2.93) 80 (3.13)
	13.5 (17/32)	413 (60) 551 (80)	3.90 (51.5) 4.53 (59.8)	43 (6.3) 65 (9.5)	5.8 (19.0) 6.3 (20.6)	6.1 (23.9) 6.1 (23.9)	19 (0.75) 20 (0.80)	40 (1.56) 42 (1.67)	82 (3.22) 87 (3.42)
	14.3 (9/16)	413 (60) 551 (80)	4.36 (57.5) 5.06 (66.7)	59 (8.6) 79 (11.5)	5.9 (19.4) 6.5 (21.2)	6.4 (25.2) 6.4 (25.2)	21 (0.81) 22 (0.87)	43 (1.70) 46 (1.82)	88 (3.48) 94 (3.71)
	15.9 (5/8)	413 (60) 551 (80)	5.30 (69.9) 6.12 (80.8)	88 (12.7) 114 (16.6)	6.3 (20.6) 6.8 (22.2)	7.0 (27.7) 7.0 (27.7)	24 (0.94) 25 (1.00)	50 (1.96) 53 (2.10)	102 (4.0) 109 (4.3)
	17.5 (11/16)	413 (60) 551 (80)	6.38 (84.2) 7.33 (96.7)	117 (17.0) 147 (21.4)	6.5 (21.2) 7.0 (23.0)	8.0 (31.6) 8.0 (31.6)	28 (1.10) 29 (1.16)	58 (2.29) 61 (2.42)	119 (4.7) 126 (4.9)





Australian Designed

Australian Manufactured

PISTON DRIVEN VS. TURBINE DRIVEN IRRIGATORS: WHAT'S THE DIFFERENCE?

Selecting the appropriate irrigator is essential for optimizing your irrigation system. At Rodney Industries, we offer a comprehensive range of rotary, piston-driven, and turbine-driven travelling irrigators, each designed to meet specific needs and conditions.

Rotor drive irrigators are celebrated for their versatility and ease of maintenance, making them a reliable choice for various applications. Piston-driven irrigators, known for their robust performance and consistent water pressure, are particularly suited for larger areas with diverse terrain. Meanwhile, turbine-driven irrigators stand out for their energy efficiency and smooth operation, ideal for more uniform landscapes.



ROTOR DRIVE



PISTON DRIVE



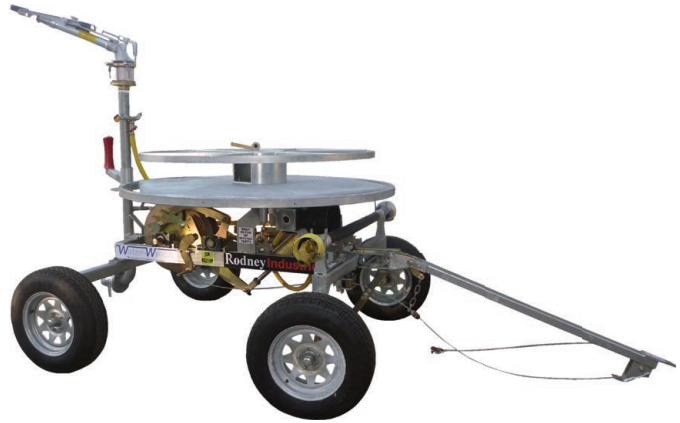
TURBINE DRIVE



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

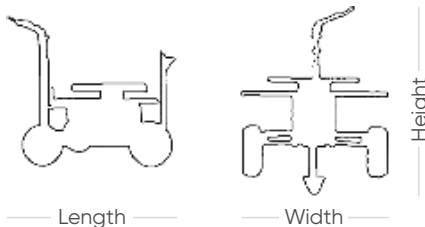


GROUND CLEARANCE

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 Metres @ 70PSI / 482KPA													
	mm	Ins	kPa	P.S.I.	l.p.s.	G.P.M	m	Ft.	m	Ft.	ha	ac	Gross Application		mm	Ins	mmp.h	pp.h.	2.5"		3"		3.5"		4"		4.5"					
													11 Hr. Run per Min.	22 Hr Run 9" per Min.					mm	Ins	KPA	PSI	KPA	PSI	KPA	PSI	KPA	PSI	KPA	PSI	KPA	PSI
 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	Data for this table is obscured by a blue box.											
	482		70	5.53	73	72	237	47	154	1.42	3.50	15.4	0.61	309	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													
	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													
	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	
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.

RI300P WATER WINCH

Piston Drive Travelling Irrigator



OPERATING PRESSURE

413 - 551 kPa



FLOW RATE

10.38 - 24.03 L/S



WETTED WIDTH

81 - 112 Mtrs



TRAVEL DISTANCE PER RUN

Up to 400 Mtrs

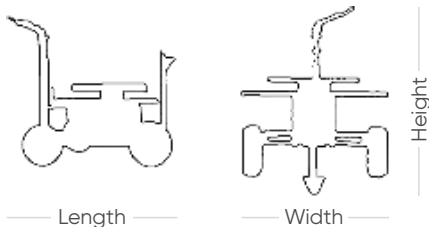


GROUND CLEARANCE

250 mm

STANDARD EQUIPMENT

- Hose reel
- 410 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
2450	1830	1800	825

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

FREIGHT INFORMATION



The RI300P requires a forklift for loading and unloading. Any truck size is suitable for transportation.

Irrigator	Code
Travelling Irrigator RI300P Base Unit	RI300P

Irrigation Gun Options	Code
Nelson SR100 Big Gun Kit	SR100K
Nelson SR150 Big Gun Kit	SR150K
SIME Royal Kit	140036KIT
SIME Reflex Kit	140052KIT
Twin 101 Ultra 24° Kit	5010253KIT
Twin 140 Ultra 24° Kit	5010254KIT

Irrigation Hose Options	Code
Angus Flowmaster Hose 3" x 200m	25032APU
Angus Flowmaster Hose 3½" x 150m	25036APU

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

Fitting Options	Code
Ring Type Coupler 3" x 3"	9991
Ring Type Coupler 3½" x 3"	10002

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

RI300P

PERFORMANCE SPECIFICATIONS

Sprinkler	Nozzle Dia.		Sprinkler Pressure		Output		Wetted Width		Approx Lane Spacing		300m (15 Chain) Run						400m (20 Chain) Run						Average Precipitation Rate (Full Circle)		Angus Hose Friction Loss (PSI/KPA) Per 100 Meters @ 70PSI / 482KPA			
	mm	Ins	kPa	P.S.I.	l.p.s.	G.P.M	m	Ft.	m	Ft.	Approx. Area Per Run		Gross Application		Approx. Area Per Run		Gross Application		mmph	p.p.h.	KPA	PSI	KPA	PSI	3"	3.5"		
											ha	ac	mm	Ins	mm	Ins	mm	Ins									mm	Ins
NELSON SRI100 21*	23.6	0.927	413	60	10.38	137	81	267	53	174	1.60	3.95	25.6	1.01	518	2.02	2.13	5.28	193	0.76	38.6	1.52	8.1	32	36.3	5.2		
			482	70	11.22	148	87	286	57	186	1.71	4.22	25.9	1.02	518	2.04	2.28	5.64	195	0.77	391	1.54	7.6	30	42.2	6.1		
	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	2.16	5.36	210	0.83	42.1	1.66	8.6	34	46.8	6.8		
			482	70	12.51	165	89	291	58	189	1.74	4.3	28.4	1.12	56.8	2.24	2.32	5.72	213	0.84	42.6	1.68	8.1	32	51.2	7.4		
	21.8	0.860	482	70	7.58	100	80	262	52	170	1.56	3.86	190	0.75	38.3	1.51	2.08	5.15	14.4	0.57	28.9	1.14	6.0	24	20.0	2.8		
			551	80	8.11	107	83	272	54	177	1.63	4.02	195	0.77	39.3	1.55	2.16	5.36	14.7	0.58	29.4	1.16	6.0	24	21.6	3.1		
NELSON SRI150 21*	24.6	0.970	482	70	8.78	129	86	281	56	183	1.68	4.16	22.8	0.90	45.9	1.81	2.24	5.54	172	0.38	34.5	1.36	6.8	27	32.4	4.7	20.3	2.8
			551	80	10.38	137	89	291	58	189	1.74	4.3	23.6	0.93	47.2	1.86	2.32	5.72	177	0.70	35.5	1.40	6.8	27	36.3	5.2	23.0	3.3
	27.4	1.080	482	70	12.43	164	92	301	60	196	1.80	4.45	27.1	1.07	54.6	2.15	2.40	5.94	20.5	0.81	40.8	1.61	7.6	30	50.5	7.3	31.6	4.6
			551	80	13.27	175	94	310	61	202	1.86	4.59	28.1	1.11	56.3	2.22	2.44	6.12	21.0	0.83	42.4	1.67	7.6	30	55.9	8.1	35.5	5.1
	30.0	1.180	482	70	15.47	204	98	320	64	208	1.92	4.73	32.0	1.26	63.7	2.51	2.56	6.30	23.8	0.94	48.0	1.89	8.3	33	75.5	10.9	47.4	6.8
			551	80	16.45	217	101	330	66	215	1.98	4.89	32.7	1.29	65.7	2.59	2.64	6.52	24.6	0.97	49.2	1.94	8.3	33	84.3	12.2	52.9	7.6
32.0	1.260	482	70	18.65	246	104	340	68	221	2.03	5.02	36.3	1.43	72.6	2.86	2.72	6.70	27.1	1.07	54.3	2.14	8.8	35	107.8	15.6	67.6	9.8	
		551	80	19.86	262	106	349	69	227	2.09	5.16	37.5	1.48	75.1	2.96	2.76	6.88	28.1	1.11	56.3	2.22	9.1	36	117.6	17.0	74.5	10.8	
34.0	1.340	482	70	22.44	296	108	354	70	230	2.12	5.23	41.9	1.65	83.8	3.30	2.80	6.96	31.4	1.24	62.9	2.48	9.9	39	149.5	21.7	93.8	13.6	
		551	80	24.03	317	112	369	73	240	2.21	5.45	43.1	1.70	86.3	3.40	2.92	7.28	32.2	1.27	64.5	2.54	9.9	39	107.8	15.6			

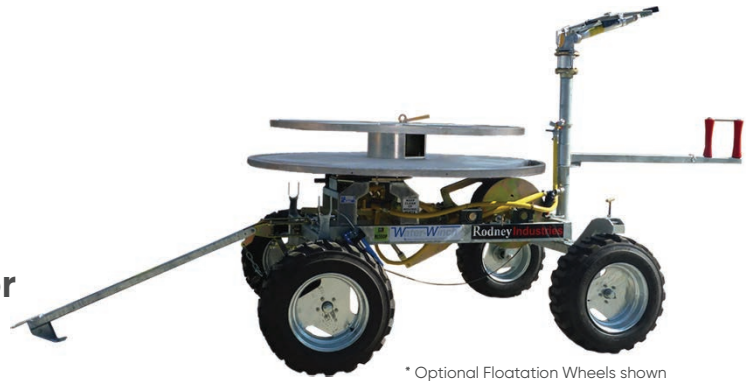


Please note: Friction losses are to be used as a guide only.

RI350P

WATER WINCH

Piston Drive Travelling Irrigator



* Optional Flotation Wheels shown



OPERATING PRESSURE

482 - 620 kPa



FLOW RATE

7.58 - 39.50 L/S



WETTED WIDTH

80 - 136 Mtrs



TRAVEL DISTANCE PER RUN

Up to 400 Mtrs

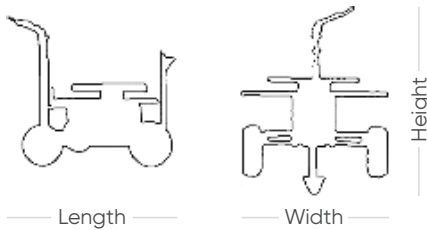


GROUND CLEARANCE

250 mm

STANDARD EQUIPMENT

- Hose reel
- 410 m x 7 mm wire rope
- Flotation tyres
- Brake kit
- No purge
- PTO shaft
- Galvanized chassis
- Galvanized reel



Weights and Dimensions

Length mm	Width mm	Height mm	Weight kg
2450	1830	1800	875

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

FREIGHT INFORMATION



The RI350P requires a forklift for loading and unloading. Any truck size is suitable for transportation.

Irrigator	Code
Travelling Irrigator RI350P Base Unit	RI350P

Irrigation Gun Options	Code
Nelson S150 Big Gun Kit	SR150K
Nelson SR200 Big Gun Kit	SR200K
SIME Reflex Kit	140052KIT
SIME Explorer Kit	140055KIT
Twin 140 Ultra 24° Kit	5010254KIT
Twin 202 Ultra 24° Kit	5010256KIT

Irrigation Hose Options	Code
Angus Flowmaster Hose 3" x 200m	25032APU
Angus Flowmaster Hose 3½" x 200m	25037APU
Angus Flowmaster Hose 4" x 150m	25042APU/150M

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

Fitting Options	Code
Ring Type Coupler 4" x 4"	9994
Ring Type Coupler 3½" x 4"	9997

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

RI300T

TURBO WINCH

Turbine Drive Travelling Irrigator



OPERATING PRESSURE

482 - 620 kPa



FLOW RATE

12.43 - 19.56 L/S



WETTED WIDTH

92 - 110 Mtrs



TRAVEL DISTANCE PER RUN

Up to 400 Mtrs

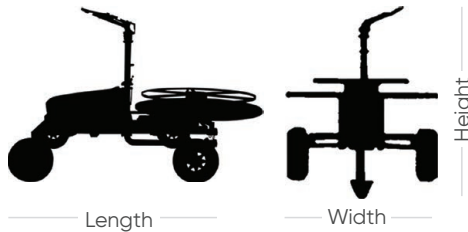


GROUND CLEARANCE

250 mm

STANDARD EQUIPMENT

- Hose reel
- 410 m x 7 mm wire rope
- 175/75 x 14" Galvanized Steel rims & tyres
- Brake kit
- Purge kit
- PTO shaft
- Galvanized chassis
- Galvanized reel



Weights and Dimensions

Length mm	Width mm	Height mm	Weight kg
4000	1830	2000	825

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

FREIGHT INFORMATION



The RI300T requires a forklift for loading and unloading. Any truck size is suitable for transportation.

Irrigator	Code
Travelling Irrigator RI300T Base Unit	RI300T

Irrigation Gun Options	Code
Nelson SR150 Big Gun Complete	SR150K
Nelson SR200 Big Gun Complete	SR200K
SIME Reflex Kit	140052KIT
SIME Explorer Kit	140055KIT
Twin 140 Ultra 24° Kit	5010254KIT
Twin 202 Ultra 24° Kit	5010256KIT

Irrigation Hose Options	Code
Angus Flowmaster Hose 3" x 200m	25032APU
Angus Flowmaster Hose 3½" x 150m	25036APU

Machine Options	Code
Floatation Wheels 225/65 x 15"	POA

Fitting Options	Code
Ring Type Coupler 3" x 3"	9991
Ring Type Coupler 3½" x 3"	10002

RI350T TURBO WINCH

Turbine Drive Travelling Irrigator



OPERATING PRESSURE

482 - 620
kPa



FLOW RATE

12.43 - 39.50
L/S



WETTED WIDTH

92 - 136
Mtrs



TRAVEL DISTANCE PER RUN

Up to 400
Mtrs

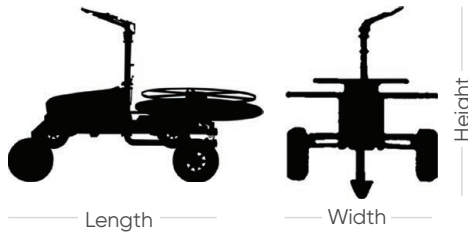


GROUND CLEARANCE

250
mm

STANDARD EQUIPMENT

- Hose reel
- 410 m x 7 mm wire rope
- 175/75 x 14" Galvanized Steel rims & tyres
- Brake kit
- Purge kit
- PTO shaft
- Galvanized chassis
- Galvanized reel



Weights and Dimensions

Length mm	Width mm	Height mm	Weight kg
4000	1830	2000	875

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

FREIGHT INFORMATION



The RI350T requires a forklift for loading and unloading. Any truck size is suitable for transportation.

Irrigator	Code
Travelling Irrigator RI350T Base Unit	RI350T

Irrigation Gun Options	Code
Nelson SR150 Big Gun Complete	SR150K
Nelson SR200 Big Gun Complete	SR200K
SIME Reflex Kit	140052KIT
SIME Explorer Kit	140055KIT
Twin 140 Ultra 24° Kit	5010254KIT
Twin 202 Ultra 24° Kit	5010256KIT



Irrigation Hose Options	Code
Angus Flowmaster Hose 3½" x 200m	25037APU
Angus Flowmaster Hose 4" x 150m	25042APU/150M

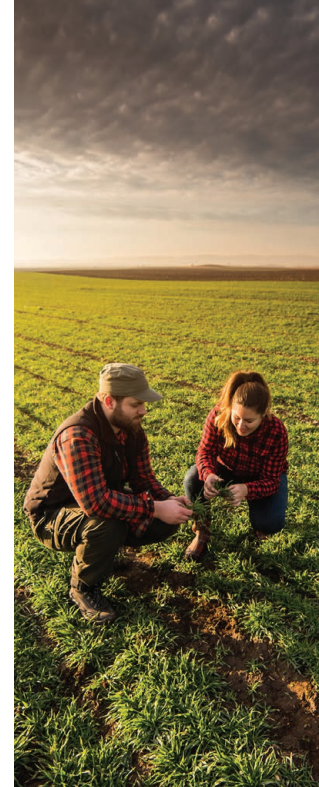
Wheel Options	Code
Floatation Wheels 225/65 x 15"	POA

Fitting Options	Code
Ring Type Coupler 3½" x 4"	9997
Ring Type Coupler 4" x 4"	9994

RI350T

PERFORMANCE SPECIFICATIONS

Sprinkler	Nozzle Dia.		Sprinkler Pressure	Output		Wetted Width		Approx Lane Spacing		300m (15 Chain) Run				400m (20 Chain) Run 2.16				Average Precipitation Rate (Full Circle)		Angus Hose Friction Loss (PSI/ KPA) Per 100 Mets @ 70PSI / 482KPA							
	mm	Ins		kPa	P.S.I.	G.P.M	I.p.s.	m	Ft.	Approx. Area Per Run		Gross Application		Approx. Area Per Run		Gross Application		mmp.h	p.p.h.	3.5"	4"						
							ha	ac	mm	Ins	mm	Ins	mm	Ins	mm	Ins	mm	Ins									
 SR150 21°	274	1.080	482	70	12.43	164	92	301	60	196	1.80	4.45	271	1.07	54.6	2.15	2.40	5.94	20.5	0.81	40.8	1.61	30	31.6	4.6	12.7	1.8
	30.0	1.180	551	80	13.27	175	94	310	61	202	1.86	4.56	281	1.11	56.3	2.22	2.44	6.12	21.0	0.83	42.4	1.67	30	35.5	5.1	14.2	2.0
	32.0	1.260	482	70	15.47	204	98	320	64	208	1.92	4.73	320	1.26	63.7	2.51	2.56	6.30	23.8	0.94	48.0	1.89	33	47.4	6.8	19.3	2.8
	34.0	1.340	551	80	16.45	217	101	330	66	215	1.98	4.89	327	1.29	65.7	2.59	2.64	6.52	24.6	0.974	49.2	1.94	33	52.9	7.6	21.5	3.1
	32.8	1.290	482	70	18.65	246	104	340	68	221	2.03	5.02	363	1.43	72.6	2.86	2.72	6.70	27.1	1.07	54.3	2.14	35	67.6	9.8	27.4	3.9
	37.1	1.460	551	80	19.86	262	106	349	69	227	2.09	5.16	375	1.48	75.1	2.96	2.76	6.88	28.1	1.11	56.3	2.22	36	74.5	10.8	31.4	4.5
	39.6	1.560	482	70	22.44	296	108	354	70	230	2.12	5.23	419	1.65	83.8	3.30	2.80	6.96	31.4	1.24	62.9	2.48	39	93.8	13.6	38.2	5.5
	42.2	1.660	551	80	24.03	317	112	369	73	240	2.21	5.45	431	1.70	86.3	3.40	2.92	7.28	32.2	1.27	64.5	2.54	39	107.8	15.6	39.2	5.7
	44.2	1.740	551	80	18.35	242	107	351	70	228	2.10	5.15	34.5	1.36	69.3	2.73	2.79	6.89	25.9	1.02	52.0	2.05	33	66.5	9.6	26.0	3.7
			620	90	19.56	258	110	361	72	235	2.15	5.30	35.8	1.41	71.6	2.82	2.85	7.04	26.9	1.06	53.7	2.12	33	73.6	10.7	30.2	4.3
 SR200 21°	371	1.460	551	80	24.03	317	116	380	75	247	2.25	5.60	419	1.65	83.8	3.30	3.00	7.40	31.4	1.27	62.7	2.47	36	107.8	15.6	39.2	5.7
	396	1.560	620	90	25.55	337	120	394	78	256	2.30	5.80	429	1.69	85.8	3.38	3.10	7.70	32.2	1.27	64.5	2.54	36	140.6	20.4	47.5	6.9
	42.2	1.660	551	80	28.13	371	122	399	79	259	2.35	5.85	46.7	1.84	93.4	3.68	3.20	7.80	35.0	1.38	70.1	2.76	39			58.8	8.5
	44.2	1.740	620	90	30.03	396	126	413	82	268	2.45	6.05	48.2	1.90	96.2	3.79	3.30	3.10	36.3	1.43	72.3	2.85	39			63.7	9.2
			551	80	32.53	429	127	418	83	272	2.50	6.15	51.5	2.03	102.8	4.05	3.30	8.20	38.6	1.52	77.2	3.04	41			78.4	11.3
			620	90	34.42	454	132	432	86	281	2.55	6.35	52.8	2.08	105.4	4.15	3.40	8.50	39.6	1.56	78.9	3.11	41			85.2	12.3
			551	80	37.23	491	132	432	86	281	2.55	6.35	56.8	2.24	114.0	4.49	3.40	8.50	42.6	1.68	85.5	3.77	44			102.9	14.9
			620	90	39.50	521	136	447	88	291	2.60	6.60	58.4	2.30	116.8	4.60	3.46	8.55	43.8	1.72	89.6	3.45	44			113.0	16.4



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

RI450T TURBO WINCH

Turbine Drive Travelling Irrigator



OPERATING PRESSURE

482 - 620
kPa



FLOW RATE

18.65 - 53.99
L/S



WETTED WIDTH

104 - 146
Mtrs



TRAVEL DISTANCE PER RUN

Up to 400
Mtrs

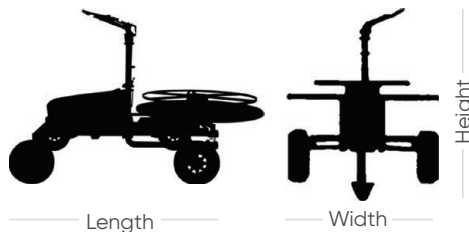


GROUND CLEARANCE

250
mm

STANDARD EQUIPMENT

- Hose reel
- 410 m x 8 mm wire rope
- 225/65 x 15" Galvanized Steel rims & tyres
- Brake kit
- Purge kit
- PTO shaft
- Galvanized chassis
- Galvanized reel



Weights and Dimensions

Length mm	Width mm	Height mm	Weight kg
4500	1950	2000	1200

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

FREIGHT INFORMATION



The RI450T requires a forklift for loading and unloading. Any truck size is suitable for transportation.

Irrigator	Code
Travelling Irrigator RI450T Base Unit	RI450T

Irrigation Gun Options	Code
Nelson SR150 Big Gun Complete	SR150K
Nelson SR200 Big Gun Complete	SR200K
SIME Reflex Kit	140052KIT
SIME Explorer Kit	140055KIT
Twin 140 Ultra 24° Kit	5010254KIT
Twin 202 Ultra 24° Kit	5010256KIT

Irrigation Hose Options	Code
Angus Flowmaster Hose 3½" x 200m	25037APU
Angus Flowmaster Hose 4" x 200m	25042APU
Angus Flowmaster Hose 4½" x 200m	25047APU

Machine Options	Code
Floatation Wheels 11" x 16.5"	POA

Fitting Options	Code
Ring Type Coupler 3½" x 4"	9997
Ring Type Coupler 4" x 4"	9994
Ring Type Coupler 4½" x 4"	9995

RI450T

PERFORMANCE SPECIFICATIONS

Sprinkler	Nozzle Dia.		Sprinkler Pressure	Output	Wetted Width	Approx Lane Spacing	300m (15 Chain) Run						400m (20 Chain) Run 2.16						Average Precipitation Rate (Full Circle)			Angus Hose Friction Loss (PSI/KPA) Per 100 Mts @ 70PSI / 482KPA												
	mm	Ins					kPa	P.S.I.	G.P.M.	Ft.	m	Ft.	Approx. Area Per Run		Gross Application		11 Hr. Run 18" per Min. 9" per Min.	22 Hr Run 9" per Min.	Ins	mm	11 Hr. Run 18" per Min. 9" per Min.	22 Hr Run 9" per Min.	Ins	mm	mmp.h	p.p.h.	PSI	KPA	3.5"		4"		4.5"	
													ha	ac	mm	Ins													mm	Ins	mm	Ins	KPA	PSI
NELSON AUSTRALIA SR150 21°	32.0	1.260	482	70	18.65	246	104	340	68	221	2.03	5.02	36.3	1.43	72.6	2.86	2.72	6.70	2.71	1.07	54.3	2.14	8.8	35	67.6	9.8	27.4	3.9	18.2	2.6				
	34.0	1.340	551	80	19.86	262	106	349	69	227	2.09	5.16	37.5	1.48	75.1	2.96	2.76	6.88	28.1	1.11	56.3	2.22	9.1	36	74.5	10.8	31.4	4.5	20.6	2.9				
NELSON AUSTRALIA SR20 21°	32.8	1.290	551	80	18.35	242	107	351	70	228	2.10	5.15	34.5	1.36	69.3	2.73	2.79	6.89	25.9	1.02	52.0	2.05	8.3	33	66.5	9.6	26.0	3.7	18.1	2.6				
	371	1.460	620	90	19.56	258	110	361	72	235	2.15	5.30	35.8	1.41	71.6	2.82	2.85	7.04	26.9	1.06	53.7	2.12	8.3	33	73.6	10.7	30.2	4.3	20.5	2.9				
NELSON AUSTRALIA SR20 21°	396	1.560	551	80	24.03	317	116	380	75	247	2.25	5.60	41.9	1.65	83.8	3.30	3.00	7.40	31.4	1.27	62.7	2.47	9.1	36	107.8	15.6	39.2	5.7	29.4	4.2				
	42.2	1.660	620	90	30.03	396	126	413	82	268	2.45	6.05	48.2	1.90	96.2	3.79	3.30	7.70	32.2	1.27	64.5	2.54	9.1	36	140.6	20.4	47.5	6.9	32.8	4.7				
NELSON AUSTRALIA SR20 21°	44.2	1.740	551	80	32.53	429	127	418	83	272	2.50	6.15	51.5	2.03	102.8	4.05	3.30	8.20	38.6	1.52	77.2	3.04	10.4	41	58.8	8.5	39.2	5.7	29.4	4.2				
	46.5	1.830	620	90	34.42	454	132	432	86	281	2.55	6.35	52.8	2.08	105.4	4.15	3.40	8.50	39.6	1.56	78.9	3.11	10.4	41	63.7	9.2	48.0	6.9	32.8	4.7				
NELSON AUSTRALIA SR20 21°	44.2	1.740	551	80	37.23	491	132	432	86	281	2.55	6.35	56.8	2.24	114.0	4.49	3.40	8.50	42.6	1.68	85.5	3.77	11.1	44	102.9	14.9	68.6	9.9	32.8	4.7				
	46.5	1.830	620	90	39.50	521	136	447	88	291	2.60	6.60	58.4	2.30	116.8	4.60	3.46	8.55	43.8	1.72	89.6	3.45	11.1	44	113.0	16.4	72.5	10.5	29.4	4.2				
NELSON AUSTRALIA SR20 21°	46.5	1.830	551	80	42.61	562	136	447	88	291	2.60	6.60	62.9	2.48	125.9	4.96	3.46	8.55	47.2	1.86	94.4	3.72	11.9	47	122.5	17.7	82.3	11.9	29.4	4.2				
	49.0	1.930	620	90	45.19	596	140	461	91	300	2.70	6.80	64.7	2.55	129.5	5.10	3.59	8.87	48.5	1.91	97.1	2.82	11.9	47	132.3	19.2	93.1	13.5	29.4	4.2				
NELSON AUSTRALIA SR20 21°	49.0	1.930	551	80	50.88	671	142	466	92	303	2.75	6.85	72.1	2.84	144.5	5.69	3.66	9.04	54.1	2.13	108.4	4.27	12.9	51	117.6	17.0	105.5	15.5	29.4	4.2				
	49.0	1.930	620	90	53.99	712	146	480	95	312	2.85	7.05	74.4	2.93	148.8	5.86	3.80	9.39	55.8	2.19	111.6	4.40	12.9	51	132.3	19.2	105.5	15.5	29.4	4.2				



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



ADDITIONAL PERFORMANCE INFORMATION

- **Angus Irrigation Hose**
- **SIME Irrigation Guns**
- **Komet Irrigation Guns**



FLOWMASTER IRRIGATION HOSE

Flowmaster is a flexible layflat drag hose for all types of irrigation applications.

CONSTRUCTION

Flowmaster comprises a circular woven high tenacity polyester reinforcement totally encapsulated in a tough elastomeric polyurethane cover and lining. Designed to fit a wide range of coupling types.

BOOSTS REELER CAPACITY

Unique 'fine weave' one-piece construction maximises reeler capacity.

FLEXIBILITY

Flowmaster is available in standard lengths of 200 meters and longer lengths up to 400 meters. It is the premium irrigation hose solution for both travelling irrigators and linear irrigation systems

LONG SERVICE LIFE

Designed for long service life with minimal maintenance. Tough and durable polyurethane cover with exceptional resistance to abrasion, cutting, ozone, UV, weathering and microbiological attack. Excellent in tropical climates.

OPERATING PERFORMANCE

Flowmaster is steamed to size which minimizes snaking and ensures the hose coils back easily after use. With a maximum swell of only 6% at normal operating pressure level of 7 bar, unacceptable hose contraction and excessive weight is severely reduced or eliminated.

FAST DEPLOYMENT AND RETRIEVAL

Superior handling; quick and easy to deploy and retrieve long continuous lengths without twisting, using light duty reels.

QUALITY AND RELIABILITY

Flowmaster is manufactured in compliance with BS EN ISO 9001: 2008 quality management system. Raw materials, components and finished products are rigorously tested and inspected to ensure excellent product reliability. Meets ASAE 394.

LOW OPERATING COSTS

Highly flexible for minimum pressure loss and maximum hydraulic efficiency.

NOMINAL TECHNICAL SPECIFICATION

Diameter	3" 76mm	3½" 89mm	4" 102mm	4½" 114mm
Standard Supply Length	200	200	200	200
Weight	.75	.85	1.1	1.4
Nominal flat width	125	150	170	185
Minimum burst pressure	42	42	34	34
Maximum working pressure	21	21	17	17
Minimum tensile strength (tonne)	4.5	5.3	7.0	10.0
Nominal Wall Thickness	2.7	2.7	3.1	3.1
Operating Temperature range	-50 to +50	-50 to +50	-50 to +50	-50 to +50

ROYAL



Medium flow sprinkler, rotating at full or part circle with slow return. Suitable for all types of travelling irrigators, can be used also for centre pivots and normal installations. An intermittent and adjustable jet-breaker working only on the return maximises the uniform distribution of rainfall over the irrigated area, including in the immediate vicinity of the sprinkler. Engineered to minimise vibrations and recoils that lead to overturning of trolleys or stands, providing greater safety to the user. Suitable for use on sloping terrain.

- Inlet:** 2" BSPF or 2 1/2" BSPF
- Flow (L/min):** 110 – 882
- Throw (m):** 22 – 51
- Angle:** 24°
- Operation:** Part Circle or Full Circle
- Drive Mechanism:** Spring Arm Impact
- Nozzles included (mm):** 14, 16, 18*, 20, 22 (*fitted)
- Additional nozzles available (mm):** 12 – 40

Nozzle Diam	Pressure	Jet Length	Capacity	
mm	kg/cm2	m	l/m	m³/h
14	1,5	23	150	9,0
	2	25	174	10,4
	3	29	212	12,7
	4	32	245	14,7
16	2	27	226	13,5
	3	32	276	16,5
	4	36	320	19,2
	5	39	356	21,3
18	2	29	286	17,1
	3	33	350	21,0
	4	37	404	24,2
	5	41	452	27,1
20	2	30	354	21,2
	3	35	432	25,9
	4	39	501	30,0
	5	43	560	33,6
22	3	37	522	31,3
	4	41	604	36,2
	5	45	676	40,5
	6	48	741	44,4

REFLEX



Medium flow sprinkler, rotating at full or part circle with slow return. Suitable for all types of travelling irrigators, can be used also for centre pivots and normal installations. An intermittent and adjustable jet-breaker working only on the return maximises the uniform distribution of rainfall over the irrigated area, including in the immediate vicinity of the sprinkler. Engineered to minimise vibrations and recoils that lead to overturning of trolleys or stands, providing greater safety to the user. Suitable for use on sloping terrain.

Inlet:	Flange
Flow (L/min):	276 – 1913
Throw (m):	32 – 65
Angle:	25°
Operation:	Part Circle or Full Circle
Drive Mechanism:	Spring Arm Impact
Nozzles included (mm):	22, 24, 26, 28*, 30 (*fitted)
Additional nozzles available (mm):	12 – 40

Nozzle Diam	Pressure	Jet Length	Capacity	
mm	kg/cm ²	m	l/m	m ³ /h
16	3	32,5	276	16,5
	4	36,5	320	19,2
	5	39,5	356	21,3
	6	42,5	391	23,4
18	3	34,0	350	21
	4	38,0	404	24,2
	5	42,0	452	27,1
	6	44,5	496	29,7
20	3	36,0	432	25,9
	4	40,0	501	30
	5	44,0	560	33,6
	6	47,0	613	36,8
22	3	38,5	522	31,3
	4	42,5	604	36,2
	5	46,0	676	40,5
	6	49,5	741	44,4
24	3	40,0	623	37,3
	4	44,5	720	43,2
	5	49,0	806	48,3
	6	52,5	882	52,9

EXPLORER



Medium and high flow sprinkler, rotating at full or part circle, with slow return. Suitable for all types of travelling irrigators, can be used also for centre pivots and normal installations. An intermittent and adjustable jet-breaker working only on the return maximises the uniform distribution of rainfall over the irrigated area, including in the immediate vicinity of the sprinkler. Engineered to minimise vibrations and recoils that lead to overturning of trolleys or stands, providing greater safety to the user. Suitable for use on sloping terrain.

Inlet:	Flange
Flow (L/min):	522 – 2834
Throw (m):	40 – 78
Angle:	25°
Operation:	Part Circle or Full Circle
Drive Mechanism:	Spring Arm Impact
Nozzles included (mm):	30, 32, 34*, 36, 38 (*fitted)
Additional nozzles available (mm):	12 – 40

Nozzle Diam	Pressure	Jet Length	Capacity	
mm	kg/cm2	m	l/m	m ³ /h
30	3	48	974	58,4
	4	52	1127	67,6
	5	56	1260	75,6
	6	60	1381	82,8
32	4	54	1282	76,9
	5	58	1433	85,9
	6	62	1570	94,2
	7	66	1694	101,6
34	5	59	1619	97,1
	6	64	1774	106,4
	7	68	1913	114,8
	8	72	2048	122,8
36	5	61	1814	108,8
	6	66	1988	119,3
	7	70	2144	128,6
	8	74	2295	137,7
38	5	63	2022	121,3
	6	68	2216	132,9
	7	72	2390	143,4
	8	76	2558	153,5
40	5	65	2240	134,4
	6	69	2455	147,3
	7	73	2648	158,9
	8	78	2834	170,0



TWIN 101 ULTRA 24°

Efficient irrigation is an important factor to support crop growth. A uniform water distribution helps the soil to evenly absorb the water, consequently avoiding water run-offs. This greatly promotes even plant growth throughout the field and at the same time can increase the yield and its quality. A fine water application also allows to grow sensitive crops

It is fundamental that a gun adapts to every situation while keeping excellent performance in all types of irrigation systems and environmental conditions, also extreme ones.

- Inlet: Flange
- Flow (m³/h): 7.8 - 79.2
- Throw (m): 24.2 - 60.6
- Angle: 24°
- Nozzles available (mm): 12 - 28

BAR	Nozzle																	
	12mm		14mm		16mm		18mm		20mm		22mm		24mm		26mm		28mm	
	Flow m ³ /h	Radius m	Flow m ³ /h	Radius m	Flow m ³ /h	Radius m	Flow m ³ /h	Radius m	Flow m ³ /h	Radius m	Flow m ³ /h	Radius m	Flow m ³ /h	Radius m	Flow m ³ /h	Radius m	Flow m ³ /h	Radius m
2,0	7,8	24,2	10,6	26,5	13,8	28,9	17,5	29,1	21,7	29,4	26,1	29,8	31,1	30,2	36,7	30,6	42,3	30,9
2,5	8,7	26,8	11,9	29,0	15,4	31,3	19,5	32,5	24,2	33,8	29,2	34,4	34,7	35,1	41,0	35,8	47,3	36,5
3,0	9,6	29,4	13,0	31,6	16,9	33,7	21,4	35,9	26,5	38,2	31,9	39,1	38,0	39,9	44,9	41,0	51,8	42,1
3,5	10,3	31,2	14,1	33,3	18,2	35,5	23,1	37,9	28,7	40,4	34,5	41,6	41,1	42,9	48,5	44,4	56,0	45,9
4,0	11,1	32,9	15,1	35,1	19,5	37,3	24,7	39,9	30,7	42,5	36,9	44,2	43,9	45,8	51,8	47,8	59,8	49,7
4,5	11,7	33,9	16,0	36,2	20,7	38,6	26,2	41,2	32,5	43,9	39,1	45,7	46,6	47,6	55,0	49,8	63,5	52,0
5,0	12,4	34,8	16,8	37,3	21,8	39,8	27,6	42,5	34,3	45,2	41,2	47,3	49,1	49,3	58,0	51,8	66,9	54,3
5,5	13,0	35,7	17,7	38,4	22,9	41,1	29,0	43,8	35,9	46,5	43,2	48,7	51,5	50,9	60,8	53,5	70,2	56,2
6,0	13,5	36,6	18,4	39,5	23,9	42,4	30,3	45,0	37,5	47,7	45,2	50,1	53,8	52,5	63,5	55,3	73,3	58,1
6,5	14,1	37,4	19,2	40,4	24,9	43,3	31,5	46,0	39,1	48,7	47,0	51,2	56,0	53,7	66,1	56,5	76,3	59,3
7,0	14,6	38,2	19,9	41,2	25,8	44,2	32,7	46,9	40,6	49,7	48,8	52,3	58,1	54,9	68,6	57,7	79,2	60,6



TWIN 140 ULTRA 24°

Pressure greatly determines the operating cost of an irrigation system: the higher the pressure required to operate it, the higher the operating cost will be. What makes the difference is to find a method to limit the operating pressure requirement without sacrificing the quality of the water distribution uniformity.

Inlet: Flange
 Flow (m³/h): 13.8 - 116.8
 Throw (m): 29.0 - 68.7
 Angle: 24°
 Nozzles available (mm): 16 - 34

BAR	Nozzle																			
	16 mm		18 mm		20 mm		22 mm		24 mm		26 mm		28 mm		30 mm		32 mm		34 mm	
	Flow m ³ /h	Rad m	Flow m ³ /h	Rad m	Flow m ³ /h	Rad m	Flow m ³ /h	Rad m	Flow m ³ /h	Rad m	Flow m ³ /h	Rad m	Flow m ³ /h	Rad m	Flow m ³ /h	Rad m	Flow m ³ /h	Rad m	Flow m ³ /h	Rad m
2.0	13.8	29.0	17.5	29.3	21.7	29.5	26.1	30.0	31.1	30.4	36.7	30.7	42.3	31.0	48.6	31.3	55.7	31.7	62.5	32.0
2.5	15.4	32.3	19.5	33.4	24.2	34.6	29.2	35.4	34.7	36.1	41.0	36.4	47.3	36.7	54.3	37.0	62.3	37.3	69.8	37.6
3.0	16.9	35.5	21.4	37.6	26.5	39.7	31.9	40.8	38.0	41.8	44.9	42.1	51.8	42.3	59.5	42.6	68.2	42.9	76.5	43.3
3.5	18.2	36.5	23.1	38.6	28.7	40.8	34.5	42.3	41.1	43.8	48.5	45.0	56.0	46.1	64.3	47.0	73.7	47.8	82.6	48.9
4.0	19.5	37.5	24.7	39.7	30.7	41.8	36.9	43.8	43.9	45.7	51.8	47.8	59.8	50.0	68.7	51.3	78.8	52.7	88.3	54.6
4.5	20.7	38.7	26.2	41.1	32.5	43.5	39.1	45.6	46.6	47.6	55.0	50.0	63.5	52.3	72.9	54.1	83.6	56.0	93.7	57.9
5.0	21.8	40.0	27.6	42.6	34.3	45.1	41.2	47.3	49.1	49.5	58.0	52.1	66.9	54.6	76.8	56.9	88.1	59.3	98.7	61.3
5.5	22.9	41.3	29.0	43.9	35.9	46.5	43.2	48.8	51.5	51.1	60.8	53.8	70.2	56.5	80.5	58.9	92.4	61.2	103.6	63.5
6.0	23.9	42.6	30.3	45.3	37.5	48.0	45.2	50.3	53.8	52.7	63.5	55.6	73.3	58.4	84.1	60.8	96.5	63.2	108.2	65.7
6.5	24.9	43.5	31.5	46.2	39.1	48.9	47.0	51.4	56.0	53.9	66.1	56.8	76.3	59.6	87.6	62.1	100.4	64.5	112.6	67.2
7.0	25.8	44.4	32.7	47.2	40.6	49.9	48.8	52.5	58.1	55.2	68.6	58.0	79.2	60.9	90.9	63.3	104.2	65.8	116.8	68.7



TWIN 160 ULTRA 24°

Optimal performance in various applications

The length of the throw determines the area being irrigated. A longer throw increases the area covered by the irrigation with the effect of making the irrigation more cost effective. At the same time a longer throw determines also a reduction of the instantaneous water application rate thus improving the water take in of the soil.

Inlet:	Flange
Flow (m ³ /h):	21.7 - 184.6
Throw (m):	37.8 - 82.4
Angle:	24°
Nozzles available (mm):	18 - 40

BAR	Nozzle											
	18mm	20mm	22mm	24mm	26mm	28mm	30mm	32mm	34mm	36mm	38mm	40mm
Flow m ³ /h	Flow m ³ /h	Flow m ³ /h	Flow m ³ /h	Flow m ³ /h	Flow m ³ /h	Flow m ³ /h	Flow m ³ /h	Flow m ³ /h	Flow m ³ /h	Flow m ³ /h	Flow m ³ /h	Flow m ³ /h
3.0	21.7	26.9	32.4	38.5	45.6	52.6	60.4	69.1	77.5	86.8	97.0	106.6
3.5	23.4	29.0	34.9	41.6	49.2	56.8	65.2	74.6	83.7	93.7	104.7	115.1
4.0	25.1	31.0	37.4	44.5	52.6	60.7	69.7	79.8	89.4	100.2	112.0	123.1
4.5	26.6	32.9	39.6	47.2	55.8	64.4	74.0	84.6	94.9	106.3	118.8	130.5
5.0	28.0	34.7	41.8	49.7	58.8	67.9	78.0	89.2	100.0	112.0	125.2	137.6
5.5	29.4	36.4	43.8	52.1	61.7	71.2	81.8	93.5	104.9	117.5	131.3	144.3
6.0	30.7	38.0	45.8	54.4	64.4	74.4	85.4	97.7	109.5	122.7	137.1	150.7
6.5	31.9	39.5	47.6	56.7	67.1	77.4	88.9	101.7	114.0	127.7	142.7	156.9
7.0	33.2	41.0	49.4	58.8	69.6	80.3	92.2	105.5	118.3	132.5	148.1	162.8
7.5	34.3	42.5	51.4	60.9	72.0	83.1	95.5	109.2	122.5	137.2	153.3	168.5
8.0	35.4	43.9	52.8	62.9	74.4	85.9	98.6	112.8	126.5	141.7	158.3	174.1
8.5	36.5	45.2	53.2	64.8	76.7	88.5	101.6	116.3	130.4	146.0	163.2	179.4
9.0	37.6	46.5	54.1	66.7	78.9	91.1	104.6	119.6	134.2	150.3	168.0	184.6
Radius m	Radius m	Radius m	Radius m	Radius m	Radius m	Radius m	Radius m	Radius m	Radius m	Radius m	Radius m	Radius m
44.5	53.1	61.4	64.7	68.1	70.5	72.9	75.0	77.0	78.7	80.4	81.4	82.4



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