



GPI SOLAR IRRIGATION

Greener Pastures with Lower Water Pressure



GPI-100 and GPI-150 | A Product of **QUIKSPRAY®**

GPI-100

The GPI-100 Solar Powered Travelling Irrigator is an easy-to-use multi-functional irrigation system that easily handles paddock and pasture watering, dust control, crop establishment and growth, fire protection, vineyards, orchards and garden.



SPECIFICATIONS

Framework	Hot-dip galvanized steel/hard powder coated reel
Hose	100m x 32mm "blue-line" agricultural Poly pipe
Water discharge	18L/min to 76L/min*
Weight	220kg
Waterway inlet	1 ½" male cam-lock fitting on inlet
Motor	12V motor
Battery	35Ah AGM solar-charged battery
Fastest retraction time	1.5hrs
Slowest retraction time	8hrs
Solar panel	20 Watt recharge system
Min/Max Inlet Pressure	20 to 100psi
Sprinkler spray radius	9m - 20m*
Dimensions	L=1500mm W=800mm H=1100mm
Timer	Automatic or Manual

**Max pressure at the nozzle and spray range is determined by inlet pressure, pressure loss and the nozzle size.*

GPI-150

The latest in our range of solar powered travelling irrigators. The GPI-150 covers a larger area using the same technology and inbuilt electric control system making it easy for you to irrigate any paddock.



SPECIFICATIONS

Framework	Hot-dip galvanized steel/hard powder coated reel
Hose	150 x 40mm "blue-line" agricultural Poly pipe
Water discharge	49L/min to 127L/min*
Weight	395kg
Waterway inlet	1 1/2" male cam-lock fitting on inlet
Motor	24V motor
Battery	2 x 35Ah AGM solar-charged battery
Fastest retraction time	3hrs
Slowest retraction time	8hrs
Solar panel	2x 20 Watt recharge system
Min/Max Inlet Pressure	20 to 100psi
Sprinkler spray radius	7m - 25m*
Dimensions	H=1600mm W=1350mm L=2600mm
Timer	Automatic or Manual

**Max pressure at the nozzle and spray range is determined by inlet pressure, pressure loss and the nozzle size.*

GPI-100 SPRINKLER SPRAY RANGE AND FLOW RATES

Max pressure at the nozzle and spray range is determined by the inlet pressure, pressure loss and the nozzle size. Please see the chart below for an indication of pressure loss and potential spray range.

GPI-100 PRESSURE LOSS CHART						
5	Inlet Pressure	20psi	40psi	60psi	80psi	100psi
	Outlet Pressure	9psi	20psi	31psi	42psi	53psi
	Spray Range (Radius)	10m	14m	16m	18m	20m
6	Inlet Pressure	20psi	40psi	60psi	80psi	100psi
	Outlet Pressure	14psi	30psi	45psi	61psi	83psi
	Spray Range (Radius)	10m	13m	15m	17m	20m
7	Inlet Pressure	20psi	40psi	60psi	80psi	100psi
	Outlet Pressure	11psi	24psi	37psi	51psi	63psi
	Spray Range (Radius)	9m	13m	16m	18m	20m
8	Inlet Pressure	20psi	40psi	60psi	80psi	100psi
	Outlet Pressure	9psi	20psi	33psi	43psi	54psi
	Spray Range (Radius)	9m	11m	14m	15m	17m

GPI-100 SPRINKLER THROW RATES AND AVERAGE EXPECTED RAINFALL								
Nozzle mm	Pressure PSI	Pressure BAR	Radius max.m	Diameter max.m	Flow l/min	Rainfall Calculator 1.5 Hours (mm)	Rainfall Calculator 5 Hours (mm)	Rainfall Calculator 8 Hours (mm)
5	22	1.5	13.5	27	18	0.6	2.0	3.2
	29	2	14.0	28	22	0.7	2.4	3.8
	44	3	15.0	30	26	0.8	2.6	4.2
	58	4	16.0	32	30	0.8	2.8	4.5
	73	5	17.0	34	34	0.9	3.0	4.8
6	22	1.5	14.0	28	27	0.9	2.9	4.6
	29	2	14.5	29	31	1.0	3.2	5.1
	44	3	15.5	31	38	1.1	3.7	5.9
	58	4	17.0	34	44	1.2	3.9	6.2
	73	5	18.0	36	49	1.2	4.1	6.5
7	22	1.5	14.5	29	37	1.1	3.8	6.1
	29	2	15.0	30	42	1.3	4.2	6.7
	44	3	16.0	32	52	1.5	4.9	7.8
	58	4	17.5	35	60	1.5	5.1	8.2
	73	5	18.5	37	67	1.6	5.4	8.7
8	22	1.5	15.0	30	49	1.5	4.9	7.8
	29	2	15.5	31	55	1.6	5.3	8.5
	44	3	17.0	34	68	1.8	6.0	9.6
	58	4	18.5	37	78	1.9	6.3	10.1
	73	5	19.0	38	88	2.1	6.9	11.1

Data reported here is only indicative and not binding. Pressure intended at the nozzle

GPI-150 SPRINKLER SPRAY RANGE AND FLOW RATES

Max pressure at the nozzle and spray range is determined by the inlet pressure, pressure loss and the nozzle size. Please see the chart below for an indication of pressure loss and potential spray range.

GPI-150 PRESSURE LOSS CHART						
8	Inlet Pressure	20psi	40psi	60psi	80psi	94psi
	Outlet Pressure	14psi	25psi	40psi	52psi	63psi
	Spray Range (Radius)	15m	18m	20m	23m	25m
9	Inlet Pressure	20psi	40psi	60psi	80psi	92psi
	Outlet Pressure	11psi	21psi	34psi	45psi	51psi
	Spray Range (Radius)	11m	13m	16m	18m	21m
10	Inlet Pressure	20psi	40psi	60psi	80psi	85psi
	Outlet Pressure	7psi	18psi	28psi	37psi	40psi
	Spray Range (Radius)	10m	17m	20m	22m	25m
11	Inlet Pressure	20psi	40psi	60psi	80psi	85psi
	Outlet Pressure	6psi	14psi	21psi	30psi	32psi
	Spray Range (Radius)	9m	12m	15m	18m	21m
12	Inlet Pressure	20psi	40psi	60psi	80psi	84psi
	Outlet Pressure	5psi	11psi	18psi	25psi	28psi
	Spray Range (Radius)	7m	10m	13m	16m	18m

GPI-150 SPRINKLER THROW RATES AND AVERAGE EXPECTED RAINFALL								
Nozzle mm	Pressure PSI	Pressure BAR	Radius max.m	Diameter max.m	Flow l/min	Rainfall Calculator 1.5 Hours (mm)	Rainfall Calculator 5 Hours (mm)	Rainfall Calculator 8 Hours (mm)
8	22	1.5	15.0	30	49	1.0	3.3	5.2
	29	2	16.5	33	56	1.0	3.4	5.4
	44	3	19.0	38	68	1.1	3.5	5.7
	58	4	21.5	43	78	1.1	3.6	5.8
9	22	1.5	15.5	31	61	1.2	4.0	6.3
	29	2	17.0	34	71	1.3	4.2	6.7
	44	3	20.0	40	87	1.3	4.4	7.0
	58	4	22.0	44	101	1.4	4.6	7.3
10	22	1.5	16.0	32	72	1.4	4.5	7.2
	29	2	18.0	36	87	1.5	4.9	7.7
	44	3	20.5	41	106	1.6	5.2	8.3
	58	4	22.5	45	123	1.6	5.5	8.7
11	29	2	18.5	37	107	1.7	5.8	9.3
	44	3	21.0	42	130	1.9	6.2	9.9
	58	4	23.0	46	151	2.0	6.6	10.5
12	29	2	19.0	38	127	2.0	6.7	10.7
	44	3	21.5	43	151	2.1	7.0	11.2
	58	4	24.0	48	179	2.2	7.5	11.9

Data reported here is only indicative and not binding. Pressure intended at the nozzle

GPI IRRIGATOR SPRAY RANGE



KEY FEATURES

- ✓ **Professional Italian-Made sprinklers**
- ✓ **Perfect For a Range of Areas**
Ideal for paddocks, equestrian arenas, parks, schools and sports ovals.
- ✓ **ATV Towable**
Versatile and agile to move around any farm or paddock
- ✓ **Efficient Irrigation With Low Pressure and Flow Rate**
Designed to operate at a pressure as low as 20 psi, making it 100% water-efficient.
- ✓ **Automatic Speed Control**
Set-and-forget technology with a clever shut-off system. Great for night-time irrigation,

TESTIMONIALS



“

It's water efficient, easy to use. You can set it up and walk away, it turns off itself.

Kara Thomas
Caloundra Equestrian Association



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I can't imagine running the property without the GreenPro product now. Right from the first phone call, the professionalism demonstrated from the team was world class. From getting a quote through to me, running through how the products operate, accurate transport estimates and actually dropping it off themselves to run through the machine operations with you - the service just blew me away.

Michael Sherrin
Sheralee Estate



“

Thanks Ben & Team for the awesome Travelling Irrigator. It is perfect for our needs, strong and durable but light and easy for us girls of the club to use and move. It has allowed us to improve the rideability of our surface and opened to us, many options for a variety of equestrian uses. Thanks again for the awesome Aussie made Irrigator. We love it. We'd love it to rain some more too!

Cassie
President/Instructor/Grants Officer
Crows Nest Pony Club



“

On my small acreage I plan to develop various enterprises in time. To provide for these diverse irrigation requirements, from broad acre pasture to intensive crop production, I looked for a machine that offered me flexibility. I found the GreenPro Travelling Irrigator did that for me.

Now I smile every time I put it on, especially when I go out in the morning and see it at the end of a long run over night, with the sun streaming through the curtain of well-distributed precious moisture.

As the company's blurb promotes, all the water available from my bore is used for irrigating. I am very happy with the machine. At first there was a minor leak from a bush but before I could call GreenProm it fixed itself.

I love the geared motor that provides options for the irrigator's speed and therefor watering rate. After five months use so far, I would highly recommend the product.

Ian Hoddinott



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