

2017



**Rodney
Industries**

A Division of Vinidex Pty Limited



THE AUSTRALIAN DESIGNED AND BUILT **SOFT HOSE BOOM**



Rodney Industries

A Division of Vinidex Pty Limited

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IRRIGATION EXCELLENCE

With a low pressure Rainspan Boom Irrigator, you will save water, energy, time and money, and increase your yields and profit.

The Rainspan Boom Irrigator Range has evolved into the most reliable, strongest, efficient and user friendly machine, whilst boasting the largest range of boom irrigator's on the Market.

The range has a unique turbine technology to provide the most efficient, lowest pressure, economical travelling boom in the industry.

Other features of the Rainspan Range include:

- On board hose reel perma-coupled hose makes it easy to lay out hose and cable in the one operation
- Gearbox for smooth safe operation specifically designed for Irrigators
- New generation turbines that are the best in the industry
- Reliable high volume purge pump
- Boom lengths from 28m (38m wetted width) to 99m (119m wetted width)
- Runs up to 600m
- Towers: 2.2m to 3.5m
- Auto stop

“When asking irrigation dealers why they chose Rainspan Low Pressure Boom Irrigators,

“Superior quality of construction, simplicity of design and optimum efficiency” are standard replies.”

THE RANGE



SB350

Flow range 7.5 – 15 LPS
Min operating pressure 2.7 bar
Travel distance per run 400m
Wetted Width 38 - 68m



SB550

Flow range 10 – 19 LPS
Min operating pressure 2.7 bar
Travel distance per run 500m
Wetted Width 64 - 94m



SB1000

Flow range 15 – 31 LPS
Min operating pressure 2.4 bar
Travel distance per run 400 - 600m
Wetted Width 64 - 94m



SB2000

Flow range 15 – 44 LPS
Min operating pressure 2.4 bar
Travel distance per run 400 - 600m
Wetted Width 77 - 119m

THE OPTIONS

COMPUTER



Functions include:

- Current date and time.
- Measurement of the unwound and rewind hose.
- Setup of work start time.
- Work speed adjustment.
- Display of the irrigation time and work end time.
- Closing of the irrigation cycle at the programmed distance.
- Automatic stop for energy saving.

PURGE PUMP



- Quick, efficient and reliable way to purge water from hose.

800 SERIES CONTROL VALVE



- Used for high pressure shutdown at the pump.
- High-flow capacity with low friction loss.
- Special natural rubber sleeve diaphragm which is resilient under high pressure, resistant to common irrigation chemicals, and flexible to assure leak-proof shutoff.

MECHANICAL COMPENSATOR



- The mechanical speed compensator controller is designed to reduce the speed of the cable drum to allow for the build up of cable on the drum.
- For every rotation of the drum there is effectively more cable wound on the drum. This will then in turn keep a consistent speed.

DISCHARGE VALVE



- Used for low pressure shutdown at the pump.
- Unique design creating low losses at high flow rates.

SB350

SB550

SB1000

SB2000

Double Hose Reel

✓

No Hose Reel No purge

✓

✓

✓

✓

Diesel Drive

✓

✓

Slew from Tractor

✓

✓

Slew from Irrigator

✓

✓

Medium Tower

✓

✓

Tall Tower

✓

Computer 150

✓

✓

✓

✓

Water Shut Down (Nelson)

✓

✓

✓

✓

Electronic Speed counter

✓

✓

✓

✓

In-Line-Filter

✓

✓

✓

✓

End Guns

✓

✓

✓

✓

Folding Boom

✓

✓

Brake Kit

✓

Rear Tyres 16.9x28

✓

Turf Tyres

✓

✓

✓

✓

Mechanical Compensator

✓

✓

OFFERING THE COMPLETE PACKAGE

For the full irrigation package, why not consider a Briggs Boom? Developed in association with farmers, growers and groundsmen and proven around the world, Briggs Irrigation systems are kind to the crop, gentle on the ground and very easy for the operator.

- Controlled droplet size reduces soil damage. Large droplets can be selected to reduce drift while fine droplets can be used to minimise damage to very delicate crops.
- Low pressure operation helps reduce pumping costs and puts less strain on the pipeline.
- The ability to water in most wind conditions.



SPECIFICATIONS

Boom Length	Flow Rate GPH	LPS	Irrigated Run (Mtrs)	Wetted Width	Irrigated Area per Run (ac)	Ha	mm = application rate per irrigated run					
							10	15	20	25	30	40
							travel speed - hours per run					
41	8000	10	400	51	5.04	2.04	5.6	8.3	11.1	13.9	16.7	22.2
	9000	11					5.1	7.6	10.1	12.6	15.2	20.2
	12000	15						5.6	7.4	9.3	11.1	14.8
	15000	19							5.8	7.3	8.8	11.7
54	9000	11	400	64	6.32	2.56	5.9	8.8	11.7	14.7	17.6	23.5
	12000	15					4.4	6.6	8.8	10.6	14.1	17.6
	15000	19						5.3	7.0	8.8	10.6	14.1
	18000	23							5.9	7.3	8.8	11.7
	9000	11	600	64	9.48	3.84	8.8	13.2	17.6	22.0	26.4	35.2
	12000	15					6.6	9.9	13.2	16.5	19.8	26.4
	15000	19					5.3	7.9	10.6	13.2	15.8	21.1
	18000	23					4.4	6.6	8.8	11.0	13.2	17.6
67	12000	15	400	77	7.61	3.08	5.9	8.8	11.7	14.7	17.6	23.5
	18000	23						5.9	7.8	9.8	11.7	15.6
	24000	30							5.9	7.3	8.8	11.7
	27000	34							5.2	6.5	7.8	10.4
	12000	15	600	77	11.41	4.62	8.8	13.2	17.6	22.0	26.4	35.2
	18000	23					5.8	8.8	11.7	14.7	17.6	23.5
	24000	30						6.6	8.8	11.0	13.2	17.6
	27000	34						5.9	7.8	9.8	11.7	15.6
80	12000	15	400	90	8.89	3.60	6.6	9.9	13.2	16.5	19.8	26.4
	18000	23						6.6	8.8	11.0	13.2	17.6
	24000	30							6.6	8.2	9.9	13.2
	30000	38							5.3	6.6	7.9	10.6
	12000	15	600	90	13.34	5.40	9.9	14.8	19.8	24.7	29.7	39.6
	18000	23					6.6	9.9	13.2	16.5	19.8	26.4
	24000	30						7.4	9.9	12.4	14.8	19.8
	30000	38						5.9	7.9	9.9	11.9	15.8
93	18000	23	400	103	10.18	4.12	4.9	7.3	9.8	12.2	14.7	19.6
	24000	30						5.5	7.3	9.2	11.0	14.7
	30000	38							5.9	7.3	8.8	11.7
	35000	44							5.0	6.3	7.5	10.1
	18000	23	600	103	15.26	6.18	7.3	11.0	14.7	18.3	22.0	29.3
	24000	30					5.5	8.2	11.0	13.7	16.5	22.0
	30000	38						6.6	8.8	11.0	13.2	17.6
	35000	44						5.7	7.5	9.4	11.3	15.1



	SB350	SB550	SB1000	SB2000
Machine Length	4m	5m	5m	6.2m
Total Height Short	3.3m	3.45m	3.5m	4.5m
Total Height Tall				5.7m
Under Boom Clearance Short	2.2m	2.2m	2.2m	2.4m
Under Boom Clearance Tall				3.5m
Transport Width Min	2.4m	2.4m	2.4m	3.0m
Transport Width Max	2.6m	3.0m	3.0m	3.8m
Ground Clearances to Winch Drum	0.4m	0.33m	0.36m	0.43m
Irrigator Weight	1000kg	1700kg	1700kg	2100kg

Please note weights and dimensions are to be used as a guide only.
Contact Rodney Industries or your local distributor for more detailed specifications.