



Ri Rodney
Industries
A division of Vinidex Pty Ltd

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



Phone: 07 3624 0300

Fax: 07 3624 0399

Email: sales@rodneyind.com.au

Website: www.rodneyind.com.au

The Range

The Rodney Industries SB Series Irrigator is designed especially to assist in saving water, energy, time and money whilst increasing the productivity of the crop.

SAVE WATER! A high degree of uniformity in water application along with the fact that the water is applied directly where it's required ensures a minimum of waste. Little water can be lost by evaporation or wind drift. In fact, it is rare that conditions would be too windy to irrigate with the SB Boom Irrigator.

SAVE ENERGY! Pumping at low pressures results in huge energy savings. For example: Reducing pump pressure by 60 PSI will save \$21.00 per megalitre calculated at a conservative pumping cost of 35c per megalitre per PSI (35c/ML/PSI).

Formula to calculate savings:

(Current Pump Pressure [PSI])

60 PSI x \$0.35 x Annual Water Consumption*

eg. A pump working at 120 PSI and pumping 400 ML. p.a.

(120 - 60) X \$0.35 x 400 = \$8400 Energy Saving

SAVE TIME! The Rodney Industries SB Boom Irrigator is easily moved and operated by one person and requires minimal maintenance due to its outstanding simplicity and reliability. Larger volumes of water can be applied in shorter periods of time and there is no laborious shifting of spray lines etc. The boom can be slewed hydraulically allowing easy maneuvering from the tractor while in transit.

SAVE MONEY! Cumulative savings of energy, water and time result in enormous ongoing cost savings, and compound with improved productivity to significantly increase profit. Set-up costs are low, requiring smaller pump and motor, lower class pipes and smaller electrical cabling than that required for high-pressure systems.



SB550
Max wetted width 95m



SB2000
Max wetted width 115m

The Features

SB350/SB550

New Generation SB350

Solid stability contributes to the irrigators' tracking ability. Industrial-type steering mechanism further assists straight tracking ability. Robust construction; easily attached to towing vehicle; no jack needed to support draw bar. Pivoting front axle adjusts to uneven terrain.

Industrial Type 3&4 – Speed Gearbox

Speed of travel to suit the crop can be easily selected. Extremely flexible speed range.

Turbine

Specifically designed for traveling irrigator requirements. Delivers high torque at low RPM's, especially efficient when under load. Full power available when most needed, near end of run. Simple one-man operation. Requires no sophisticated filtration. Few wearing parts for long durability, simplified maintenance.

Travel shut-off mechanism

Simple valve automatically shuts off water supply to Turbine. No creeping after shut-down. Hose Reel Drive Release Manually disengage for easy hose layout.

P.T.O. Connections at Front

Hose purge and hose wind-up operations are carried out from the towing position. This means machine anchorage and convenience of operation.

Integrally-Mounted Horizontal Hose Reel

Reel is always with the irrigator, ready to retrieve hose at end of run. Compact, easy to operate, heavy tubular steel spool. When winding up, reel accepts hose at a wide variety of angles.

Purging Unit

Standard equipment on the traveling irrigator. High capacity and low pressure provide a highly effective means of purging hose of water before wind up. Utilises a splined shaft to fit the power take-off shaft from operator's tractor.

SB1000/SB2000

Features:

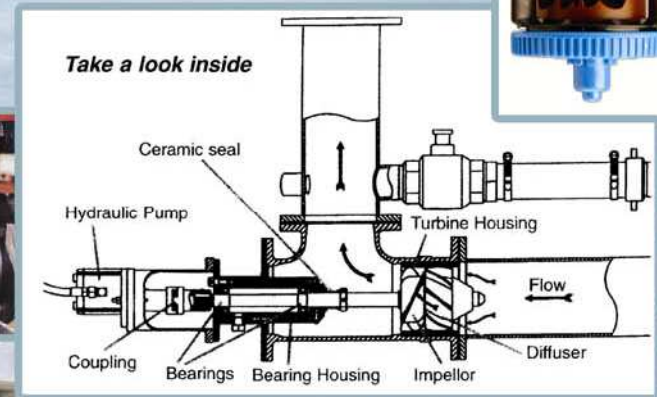
- ♦ Powered by an Axial Water Turbine
- ♦ Optional Diesel Motor
- ♦ Smooth Continuous Gear Drive
- ♦ Booms from 50 to 93m
- ♦ Runs up to 600m
- ♦ Tall and Short Towers available
- ♦ Extremely simply sturdy construction
- ♦ Reliability through quality of engineering
- ♦ Speed Controller Compensator
- ♦ Hydraulic stop
- ♦ Heavy Duty Corrosion resistant construction
- ♦ 12 Month manufacturers warranty

Benefits:

- ♦ Outstanding uniformity and efficiency
- ♦ Saves energy, water, time and money
- ♦ Increase yields
- ♦ Maintains watering in windy conditions
- ♦ Versatile

Outstanding Advantages:

- ♦ Operates on a low pressure
- ♦ Low running costs
- ♦ Reduced pumping costs
- ♦ Minimal water loss
- ♦ Single person operation
- ♦ Sturdy galvanized construction
- ♦ Minimal noise or other pollutants
- ♦ Uniform sprinkling
- ♦ Low maintenance



Options (Factory Fitted)	SB350	SB550	SB1000	SB2000
Boom Slew - Tractor Drive	N/A	✓	INCL'D	INCL'D
Remote Boom Slew Controls (On Irrigator)	N/A	N/A	✓	✓
Stainless Steel Boom	POA	POA	POA	POA
Red Seal Duplex Galv Steel Boom	POA	POA	POA	POA
Computer Controller 300 Series	✓	✓	✓	✓
Speed Controller (Mechanical)	N/A	N/A	INCL'D	INCL'D

* For more options, see the Irrigators' section of our Pricelist



For use with Rainspan Boom Irrigators, we recommend Nelson Big Guns and Angus Irrigation Hose



The Proof

Please note that these tables are merely indicative as they have been calculated through a mathematical formula according to average working conditions. Rodney Industries holds no responsibility deriving from their application

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	50	75
							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	27.8	
	9000	11					5.1	7.6	10.1	12.6	15.2	20.2	25.3	37.9
	12000	15						5.6	7.4	9.3	11.1	14.8	18.5	27.8
	15000	19							5.8	7.3	8.8	11.7	14.6	21.9
54	9000	11	400	64	6.32	2.56	5.9	8.8	11.7	14.7	17.6	23.5	29.3	
	12000	15					4.4	6.6	8.8	10.6	14.1	17.6	22.0	33.0
	15000	19						5.3	7.0	8.8	10.6	14.1	17.6	26.4
	18000	23							5.9	7.3	8.8	11.7	14.7	22.0
	9000	11	600	64	9.48	3.84	8.8	13.2	17.6	22.0	26.4	35.2	44.0	
	12000	15					6.6	9.9	13.2	16.5	19.8	26.4	33.0	49.5
67	15000	19					5.3	7.9	10.6	13.2	15.8	21.1	26.4	39.6
	18000	23					4.4	6.6	8.8	11.0	13.2	17.6	22.0	33.0
	12000	15	400	77	7.61	3.08	5.9	8.8	11.7	14.7	17.6	23.5	29.3	
	18000	23						5.9	7.8	9.8	11.7	15.6	19.6	29.3
	24000	30							5.9	7.3	8.8	11.7	14.7	22.0
	27000	34							5.2	6.5	7.8	10.4	13.0	19.6
	12000	15	600	77	11.41	4.62	8.8	13.2	17.6	22.0	26.4	35.2	44.0	
	18000	23					5.8	8.8	11.7	14.7	17.6	23.5	29.3	44.0
80	24000	30						6.6	8.8	11.0	13.2	17.6	22.0	33.0
	27000	34						5.9	7.8	9.8	11.7	15.6	19.6	29.3
	12000	15	400	90	8.89	3.60	6.6	9.9	13.2	16.5	19.8	26.4	33.0	
	18000	23						6.6	8.8	11.0	13.2	17.6	22.0	33.0
	24000	30							6.6	8.2	9.9	13.2	16.5	24.7
	30000	38							5.3	6.6	7.9	10.6	13.2	19.8
	12000	15	600	90	13.34	5.40	9.9	14.8	19.8	24.7	29.7	39.6	49.5	
	18000	23					6.6	9.9	13.2	16.5	19.8	26.4	33.0	49.5
93	24000	30						7.4	9.9	12.4	14.8	19.8	24.7	37.1
	30000	38						5.9	7.9	9.9	11.9	15.8	19.8	29.7
	18000	23	400	103	10.18	4.12	4.9	7.3	9.8	12.2	14.7	19.6	24.4	36.7
	24000	30						5.5	7.3	9.2	11.0	14.7	18.3	27.5
	30000	38							5.9	7.3	8.8	11.7	14.7	22.0
	35000	44							5.0	6.3	7.5	10.1	12.6	18.9
	18000	23	600	103	15.26	6.18	7.3	11.0	14.7	18.3	22.0	29.3	36.7	
	24000	30					5.5	8.2	11.0	13.7	16.5	22.0	27.5	41.2
30000	38							6.6	8.8	11.0	13.2	17.6	22.0	33.0
	35000	44						5.7	7.5	9.4	11.3	15.1	18.9	28.3