



**Rodney Industries**

A Division of Vinidex Pty Ltd

# Soft Hose Booms

Irrigation Excellence



**Vinidex**  
Systems & Solutions

# Soft Hose Booms

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



## Features

Description	SB350	SB550	SB1000	SB2000
3 Wheel Chassis	S	S	S	S
Hot Dip Galvanized	S	S	S	S
Perma-Coupled Hose Reel	S	S	S	S
Double Hose Reel				O
No Hose Reel No purge			O	O
High Volume Purge Pump	S	S	S	S
PTO	S	S	S	S
Single speed gearbox			S	S
3 Speed Gearbox	S			
4 Speed Gearbox		S		
Axial Turbine / Oil Hydraulic			S	S
Radial Turbine	S	S		
Diesel Drive			O	O
Travel Stop	S	S	S	S
Slew from Tractor	O	O	S	S
Slew from Irrigator			O	O
Short Tower	S	S	S	S
Medium Tower			O	O
Tall Tower				O
Compensator			S	S
Computer 150	O	O	O	O
Computer 300				O
Electronic Speed counter	O	O	O	O
Water Shut Down (Nelson)	O	O	O	O
R3000 Sprinklers	S	S	S	S
Regulators	S	S	S	S
End Guns	O	O	O	O
In-Line-Filter	O	O	O	O
Brake Kit	O			
Front skid steer Tyre	S	S	S	S
Rear skid steer Tyres	S			
Rear Tyres 14.9x24		S	S	
Rear Tyres 14.9x28				S
Rear Tyres 16.9x28				O
Turf Tyres	O	O	O	O
Folding Boom	O	O	O	

S Standard / O Option

# Save Sa

Save Water - Will use up to

SB350



Recommended Machine Flow, Max hose size:

- ♦ Minimum pressure at Turbine 2.7 bar (40 psi)
- ♦ Recommended 3.4 bar (50 psi)
- ♦ 400m Run Minimum flow – 7.5 L.P.S (6000 G.P.H)
- ♦ 7.5 LPS (6000 G.P.H) to 17 LPS (13500)\*
- ♦ 75mm x 200m
- ♦ 90mm x 200m
- ♦ 100mm x 150m

\* Note: For flows above 17 L.P.S Water shut down needs to be added

SB1000



Recommended Machine Flow, Max hose size:

- ♦ Minimum pressure at Turbine 2.4 bar (35 psi)
- ♦ Recommended 2.7 bar (40 psi)
- ♦ 400m Run Minimum flow – 11 L.P.S (9000 G.P.H)
- ♦ 500m Run Minimum flow – 19 L.P.S (15000 G.P.H)
- ♦ 600m Run Minimum flow – 23 L.P.S (18000 G.P.H)
- ♦ 11 L.P.S (9000 G.P.H) to 45 LPS (35000)
- ♦ 90mm x 300m
- ♦ 100mm x 300m

- ✓ Save energy
- ✓ 85% or better uniformity
- ✓ Minimal wind drift
- ✓ One man operation

Irrigation Excellence

# Specifications

Description	SB350	SB550	SB1000	SB2000
Machine Length	4m	5m	5m	6.2m
Total Height short	3.3m	3.45m	3.5m	4.5m
Medium				5.1m
Tall				5.7m
Under Boom Clearance	2.2m	2.2m	2.2m	2.4m
Medium				3m
Tall				3.5m
Transport Width	min	2.4m	2.4m	2.4m
	max	2.6m	3m	3m
Ground Clearances				
to Winch Drum	0.4m	0.33m	0.36m	0.43m
Irrigator Weight	1000kg	1700kg	1700kg	2100kg
Fixed slewing booms				
Width / Weight				
28.2m 410kg	S	O	O	O
41.2m 550kg	S	O	O	O
47.7m 730kg	S	O	O	O
54.2m 1225kg		S	S	O
67.2m 1276kg		S	S	S
73.7m 1308kg		S	S	S
80.2m 1530kg				S
86.7m 1562kg				S
93.2m 1910kg				S
99.7m 1943kg				S
Briggs Folding Booms				
Width / Weight				
R30 400kg	O			
R40 440kg	O			
R50 950kg		O	O	
R58 1030kg		O	O	
R64 1070kg		O	O	

S Standard / O Option

**We Save**  
40% less water than a gun

SB550



- Recommended Machine Flow, Max hose size:
- ♦ Minimum pressure at Turbine 2.7 bar (40 psi)
  - ♦ Recommended 3.4 bar (50 psi)
  - ♦ 400m Run Minimum flow – 10 L.P.S (9000 G.P.H)
  - ♦ 500m Run Minimum flow – 15 L.P.S (12000 G.P.H)
  - ♦ 10 LPS (9000 G.P.H) to 19 LPS (27000 G.P.H)
  - ♦ 90mm x 250m
  - ♦ 100mm x 250m

\* Note: For flows above 19 L.P.S additional bypass required

SB2000



- Recommended Machine Flow, Max hose size:
- ♦ Minimum pressure at Turbine 2.4 bar (35 psi)
  - ♦ Recommended 2.7 bar (40 psi)
  - ♦ 400m Run Minimum flow – 15 L.P.S (12000 G.P.H)
  - ♦ 500m Run Minimum flow – 19 L.P.S (15000 G.P.H)
  - ♦ 600m Run Minimum flow – 23 L.P.S (18000 G.P.H)
  - ♦ 15 LPS (12000 G.P.H) to 45 LPS (35000)
  - ♦ 90mm x 300m
  - ♦ 100mm x 300m
  - ♦ 114mm x 300m



## Flexible Centre Section

Ensures the most stable boom on the market due to the shock absorbent characteristics.

# Performance Data:



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					
<b>41</b>	8000	10	400	<b>51</b>	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		
<b>54</b>	9000	11	400	<b>64</b>	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	<b>64</b>	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
<b>67</b>	12000	15	400	<b>77</b>	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	<b>77</b>	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	
<b>80</b>	12000	15	400	<b>90</b>	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	<b>90</b>	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	
<b>93</b>	18000	23	400	<b>103</b>	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	<b>103</b>	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	

Please note that this table is merely indicative as it has been calculated through a mathematical formula according to average working conditions. Rodney Industries holds no responsibility deriving from its application.

*Distributed By:*



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