



WaterForce mounted booms are efficient, tough, reliable and surprisingly versatile. Tried and tested in New Zealand over the last ten years, WaterForce booms are built to perform and have a unique feature - completely self supporting for folding and unfolding with no lifting or carrying required

Versatile – Ranging in size from 18 metres to 40 metres and allowing lane spacings from 18-48 metres. For ease of operation the booms are transported on the reel and a fixed lift system has been developed to transport the boom safely.

WaterForce mounted booms are designed to suit OCMIS hose reels from 75mm OD hose up to 125mm OD hose. Optional blanking plates with or without end sprinklers allows the boom width to be reduced to avoid awkward obstacles.

Efficient – Using a WaterForce boom can reduce water consumption by 20% compared with raingun systems. High flow rates allow faster retraction enabling larger areas to be covered in less time. Controlled droplet size reduces soil damage. Large droplets can also be selected to reduce drift while fine droplets can be used to minimise damage to very delicate drops.

Lower pressure operation helps reduce pumping costs and puts less strain on the pipelines. The boom sprinklers will operate at low pressures (0.6 – 4.0 bar (10psi – 60psi) and can apply from 14 to 50 cubic metres per hour (50gpm to 180gpm).

Options

- Drop pipes to provide precise irrigation without wetting the crop (also minimise smell when irrigating effluent)
- Turntable for angled headlands and for rotating round trees or poles.

Features and benefits

- Accurate, uniform application
- Low operating pressures
- Robust construction
- Fully galvanised
- One person can open or fold the boom in just a few minutes
- Robust construction
- Choice of pressure regulated spray jets, rotators or sprinklers to give optimum droplet size for the type, or stage of crop under production
- Ball valve control on all sprinklers outlets enables sections to be shut off to suit irrigation requirements and allows individual nozzle to be unblocked if necessary.

“ After purchasing a WaterForce boom, our diesel consumption has reduced by 63% and wind is no longer an influencing factor.

GERRY STEENKAMER –
CROP FARMER, HAWKES BAY



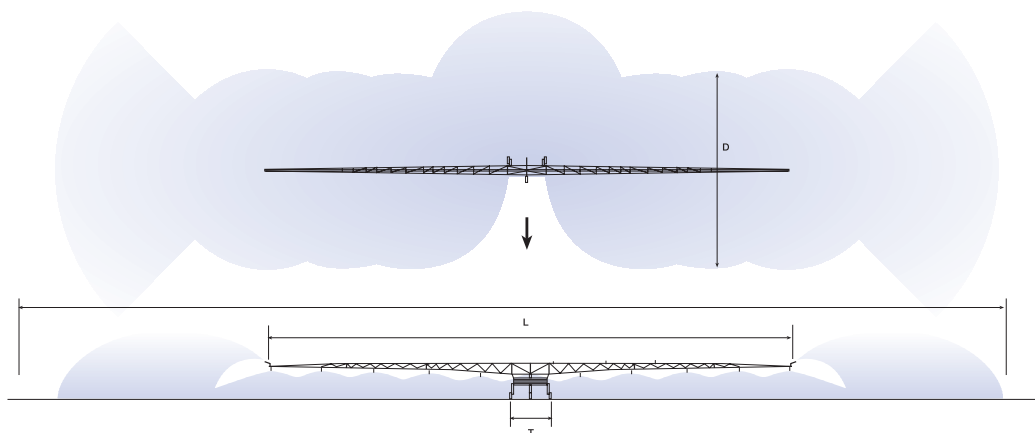
Mounted boom technical data

Technical Data				
	R18	R24	R30	R40
Boom length (L)	18m	24m	29m	40m
Lane spacing (l)	18 – 32m	24 – 42m	30 – 48m	40 – 48m
Band width (D)	10 – 25m			
Flow capacity (m ³ /hr)	14 – 30	14 – 44	14 – 50	20 – 50
Operating pressure	0.6 – 4.0 bar (10 – 60 psi)			
Quantity of outlets	9	11	13	17
Folded length	5m	5m	5m	5m
Folded width	2.8m	3.4m	3.4m	3.4m
Track width	1.5 – 4m			
Weight	400 kg	450 kg	460 kg	620kg

Figures are for reference purposes only and are not binding. We reserve the right to alter specifications without prior notice.

Chart showing travel speeds for example flow rates (m/hr)

Boom size/ lane spacing	Flow m ³ /hr	Application rate (mm)							
		5	10	15	20	25	30	35	40
R18/24m no end sprinklers	16	133	67	44	33	27	22	19	17
	22	183	92	61	46	37	31	26	23
R24/30m no end sprinklers	22	147	73	49	37	29	24	21	18
	27	180	90	60	45	36	30	26	23
R30/36m no end sprinklers	27	150	75	50	38	30	25	21	19
	36		100	67	50	40	33	29	25
R30/48m with end sprinklers	36	150	75	50	38	30	25	21	19
	48		100	67	50	40	33	29	25
R40/48m no end sprinklers	36	150	75	50	38	30	25	21	19
	48		100	67	50	40	33	29	25



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www.waterforce.co.nz

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