



BRIGGS IRRIGATION

by Rivulis



Reduce your carbon footprint with **Briggs Irrigation Booms**

Lower Pump Energy Requirement

Up to 30% less energy usage compared to a raingun, reducing carbon emissions and operating costs.

Lower Water Usage

More than 20% less water usage compared to a raingun, conserving water and saving energy.

Uniformity

Low trajectory nozzles are positioned closely and evenly along the boom, dispersing water with exceptional uniformity (even in windy conditions). Uniform water distribution promotes more even germination and more consistent crop size, resulting in higher value harvests.

Gentle on Soil, Gentle on Crop

Briggs booms are equipped with an extensive choice of pressure regulators, sprinklers, and nozzles, providing the optimum droplet size for all soil types of soil and crop. Controlling droplet size reduces the risk of soil capping, maintaining the soils absorbency for subsequent irrigation or rain.

Compatibility

Compatible with all brands of hosereel machine and can be retrofitted to all existing hosereels.

Hosereel Mounted Booms

Models R18, R24, R30 & R40

Lane spacing from 18m to 60m (59' to 197')

Models R46/35, R46/40 & R46/46

Lane spacing from 38m to 66m (125' to 216')

Ease of Operation

Briggs hosereel mounted booms wrap around the drum of the hosereel for simple transportation from field to field and run to run. These booms can be opened and closed by one operator in 2-3 minutes.



The boom is folded and secured around the drum of the hosereel and transported to the field.



The hosereel is positioned in line with the track and the boom is prepared for pulling out.



The boom is pulled out to its starting position.



The pump is started, the hosereel is actuated and the boom begins to irrigate.

Standard features on models R18 - R40

- Full 360° rotation of turntable
- Centre waterfeed
- Wheel track adjustable from 1.5m to 4.2m
- Pneumatic tyres front and rear

Extensive range of options including asymmetric waterfeed heavy duty chassis, hydraulic elevation, raingun kit, and turf wheels.

Standard features on R46 models

- 30° rotation of turntable
- Centre waterfeed
- Wheel track adjustable from 1.5m to 4.2m
- Pneumatic tyres front and rear

Options include full rotation of turntable, asymmetric waterfeed, twin axle (centrefeed only), large wheels, and levelling jack.

Four Wheel Chassis Booms

Models R52C/35, R52C/40,
R52C/46 & R52C/52

Lane spacing from 38m to 72m (125' to 236')

Models R50/2, R57/2, R60/2,
R64/2 & R76

Lane spacing from 54m to 96m (177' to 315')

Efficient, Tough and Reliable

A stand-alone range of booms which can be used with all brands of hosereel - old or new.



The boom is towed to the field where it is connected to the hosereel.



The boom is pulled out to its starting position and prepared for use.



The pump is started, the hosereel is actuated and the boom begins to irrigate.



R76 irrigating flowers in the Netherlands.

Features available on all models

- Asymmetric waterfeed - the hosepipe is in line with the wheeling, alleviating damage to the crop and traction problems when pulling out.
- Semi-automatic locking catches make unfolding quick and simple.
- The boom can be operated and towed from either end, saving time, reducing crop damage, and simplifying positioning procedures.
- Quadrant lock allows boom to be positioned at an angle and to be rotated around obstacles in the field.
- Quick and simple connection to the hosereel with a flexible coupling.
- Optional combinations of pressure regulated spray jets, rotators, and sprinklers to suit wide or irregular shaped fields.



Technical Information

Boom Structural Width and Lane Spacing

MODEL	STRUCTURAL WIDTH	MINIMUM LANE SPACING	MAXIMUM LANE SPACING
R18	18m (59')	22m (72')	44m (144')
R24	24m (79')	28m (92')	50m (164')
R30	30m (98')	34m (111')	54m (177')
R40	40m (131')	44m (144')	60m (197')
R46/35	35m (115')	38m (125')	60m (197')
R46/40	40m (131')	44m (144')	65m (213')
R46/46	46m (151')	50m (164')	66m (216')
R52C/35	35m (115')	38m (125')	60m (197')
R52C/40	40m (131')	44m (144')	65m (213')
R52C/46	46m (151')	50m (164')	71m (233')
R52C/52	52m (170')	56m (184')	72m (236')
R50/2	50m (154')	54m (177')	75m (246')
R57/2	57m (187')	60m (197')	82m (269')
R60/2	60m (197')	64m (210')	85m (278')
R64/2	64m (210')	68m (223')	90m (295')
R76	76m (250')	80m (262')	96m (315')

