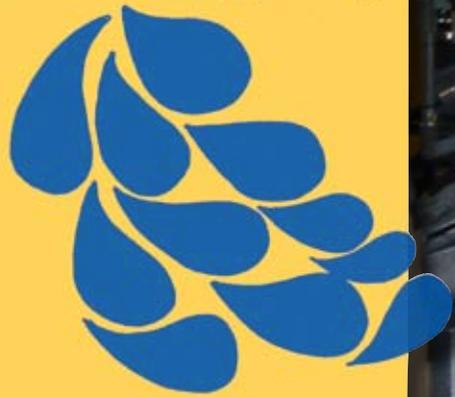


BRIGGS IRRIGATION



Briggs Racecourse and Polo Pitch Irrigation

optimum irrigation for flat & jump courses & polo pitches



82-220



R30 with hydraulic boom lift system for jumps and hurdles

Briggs racecourse irrigation systems have been developed to meet the high demands of modern racing and have been proven on courses around the world.

Accurate and uniform application across the width and length of the track are essential to provide even going and to keep the turf in top condition. The Briggs Racecourse Irrigation system gives you the tools you need to achieve these aims.

An independent drive system has been developed to work at very high retraction speeds of up to 300 metres per hour,

thus allowing application rates as low as 2-3mm if required.

The combination of a well engineered, fully galvanised structure and top quality components ensures the machine is built to last and is extremely reliable.

Throughout the run the application rate is constant, regardless of changes in pressure, ground conditions or the number of layers of hose on the drum. If the set speed is not reached, the control panel on the hosereel will shut off the water supply, preventing overwatering

on any area of the course. At the end of the run the entire unit shuts down automatically, ready for the operator to set the next run.

Hosereels and booms are straightforward to set up and transport, making moving to and from the course quick and easy. The boom is lifted hydraulically onto the hosereel after use with no additional equipment needed. The whole unit can be towed with a small tractor.

All controls are conveniently arranged on a single panel.

Benefits of Briggs Racecourse Irrigation



Uniformity

Closely spaced nozzles + low trajectory
+ large droplet size
= very high uniformity
=
even going across the whole width
of the track

Straightforward to use

One person can set up a machine in approximately 8-10 minutes.
Straightforward speed adjustment for changing application rates.
Single control panel and built-in failsafe systems.

Versatile

Hydraulic lift booms can irrigate hurdle and jump courses giving uniform application to take off and landing areas.
Application width can be reduced by switching off ball valves on individual nozzles or by leaving sections folded.

Minimum disruption

Independent drive system on the reel means it can work on many existing pump and pipe networks with little or no modification.
Wide flotation tyres prevent compaction and the boom is always on dry ground.



Bend peg storage



Bend peg securing the hose



Bend pegs collected on the hose

Easy transport

Briggs hose reel mounted booms fold around the drum of the hose reel for transport. The folded boom is lowered to the ground and then unfolded.

Unfolding is a two-minute one-person operation with no tools required. The operator then tows the hose reel away from the boom to lay down the hose.

Irrigating the bends

The Briggs system can cope easily with bends where the total bend angle does not exceed 90°. The hose is laid around the bend and the bend pegs are hammered in either during or after hose deployment at 20 m intervals. The pegs are either collected by the boom as it approaches or manually by the operator.



R2 82/220 with R30 in transport



R3 110/220 & R40/2 in transport



Bunded acoustic diesel engine driven pump



R30 at Galway Racecourse

Machines for every course

Briggs Irrigation produces an extensive range of bunded and silenced diesel engine driven pumps with continuous run and autostart options. Booms can be tailored to meet individual width requirements, while three models of hosereel offer medium and high flow rates to suit the needs of each course.



Model R1-1 75/220 & R15 boom

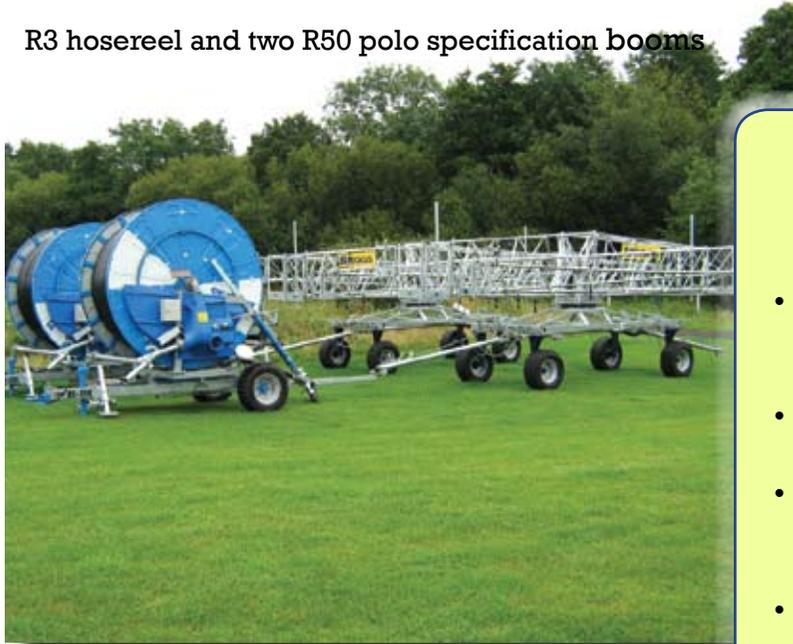


Hatz diesel engine with optional quiet pack



Model R3 110/220

R3 hosereel and two R50 polo specification booms



Polo R50 boom with nozzles operating on one side



Specifically designed for polo

- Up to 75m irrigated width allows the pitch to be irrigated in two strips
- Application rate can be varied between 6 and 30 mm
- Flotation tyres are standard on the boom to minimise compaction
- Specially made transport system allowing the hosereel and boom to be towed as a single unit
- The boom is supplied with wheelchocks so that the hose on the hosereel can either be 'pulled out' or 'laid down'
- Special drawbar design means the only part on the ground is the smooth PE hose
- Width can be adjusted by turning off individual ball valves on each nozzle

R3 90-350 hosereels



R50 booms irrigating a polo ground in Dubai





Above: Hosereel and boom in transport

Above right: Hosereel and boom ready to pull out

Main picture: R50 boom irrigating a 75m strip

Briggs racecourse boom technical data

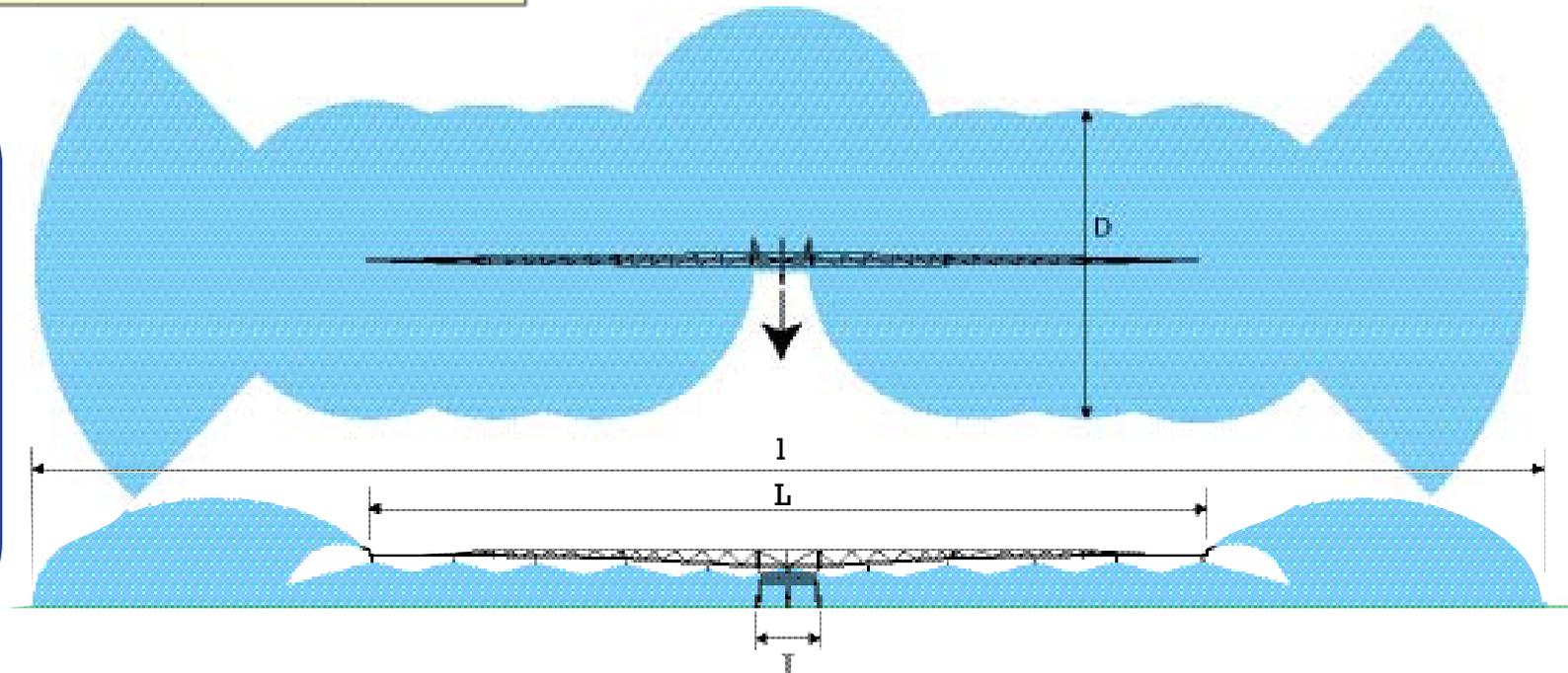
	R18	R24	R30	R-40/2 4-wheel chassis	R-50/2 4-wheel chassis
Application	Racecourse	Racecourse	Racecourse	Racecourse	POLO
Boom length (L)	18m	24m	29m	40m	50m
Lane spacing (l)	18 - 22m	24 - 28m	30 - 34m	40 - 44m	50 - 75m
Band width (D)	8 - 14m	8 - 14m	8 - 14m	8 - 14m	8 - 14m
Flow - m ³ /hr	15 - 40	25 - 50	30 - 60	40 - 80	40 - 60
Operating pressure	1 - 1.5 bar	3.5 - 4 bar			
Number of nozzles	15	19	23	25	16
Folded length	5m	5m	5m	9m	9m
Folded width	2.8m	3.4m	3.4m	3.4m	3.5m
Track width (T)	1.5 - 4.2m	1.5 - 4.2m	1.5 - 4.2m	1.5 - 2.0m	1.5 - 2.0m
Weight	400 kg	450 kg	460 kg	1520kg	1550kg

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

Boom travel speeds in metres/hour for example flow rates

Boom size - irrigated width in metres	Pressure on boom in bar	*Flow rate in m ³ /hr	Application rate - mm			
			5	7.5	10	12.5
R18 - 20m Racecourse spec 3-wheel chassis	1	30	300	200	150	120
		40		267	200	160
R24 - 26m Racecourse spec 3-wheel chassis	1	40	308	205	153	123
		50		257	192	153
R30 - 32m Racecourse spec 3-wheel chassis	1	50	311	208	156	125
		60		250	187	150
R40/2 - 42m Racecourse spec 4-wheel chassis	1	60	286	190	143	114
		70		222	167	133
R50/2 - 75m POLO spec 4-wheel chassis	3.5 - 4	45	115	78	58	47
		55	-	97	73	58

*These flow rates are examples only - There are a wide range of flow rates higher, lower and in between for each model.



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