

JAVELIN

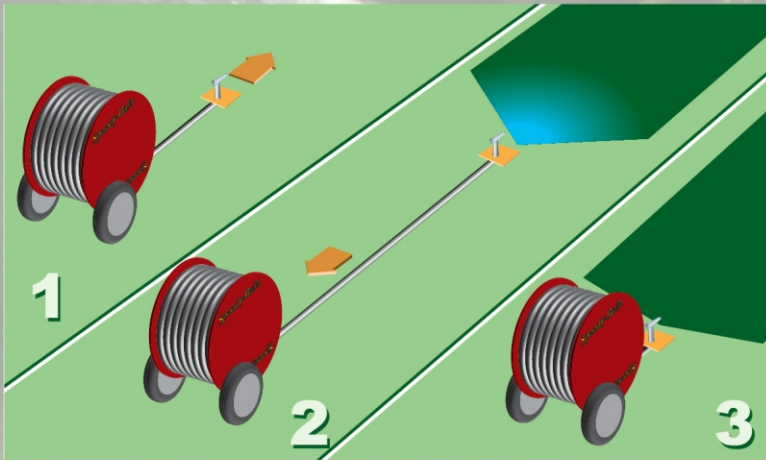
IRRIGATION SYSTEMS LTD



Speedy Rain 405 model shown for illustration purposes

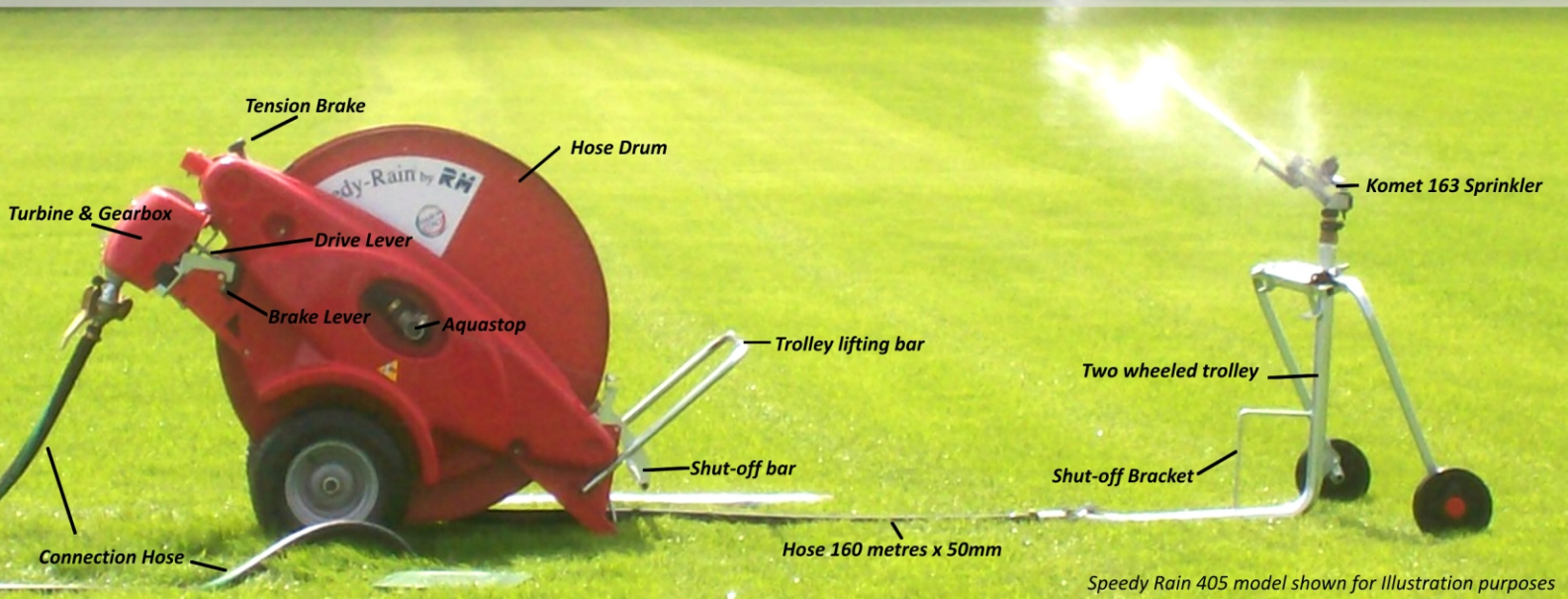
Speedy Rain 505
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The Speedy Rain 505 turbine driven irrigator rewinds the hose while irrigating - It works with a variable inlet pressure from 4.5 bar minimum to 8 bar maximum - Adjustable rewind speed via butterfly valve on the turbine which allows the speed to be altered to achieve the necessary application of water - Automatic stop mechanism with the aquastop valve which is activated by the sprinkler trolley when it comes into contact with the shut-off bar - Compact dimensions and optimum weight balancing - The drawbar can be hooked onto small utility vehicles - Adjustable sector sprinkler with different nozzle options - Easy and economical maintenance - Hose guide for accurate hose rewinding - Comes with flexible connection hose with 50mm male Bauer couplers for connection to hydrant - Optional 8 metre boom available - Optional third wheel available for greater stability.



How it Works:

1. Manual hose unwinding using utility vehicle.
2. Irrigation with automatic hose rewinding as water flows through the turbine. The turbine rotates the gearbox which operates the drive lever. The brake lever prevents the drum rotating the opposite direction.
3. Automatic shut down at the end of irrigation as the sprinkler trolley comes into contact with the shut-down bar. This triggers the aquastop valve which immediately stops the flow of water.



Hydraulic Data

Nozzle	Pressure		Irrigated Strip					Rewind Speed (metres per hour)					
	Machine Inlet (after turbine)	Sprinkler	Flow Capacity	Throw Radius	Throw Diameter	Suggested	10	15	20	25	30	40	
							Rewind Time (in Hours)						
mm	bar	bar	ltr/sec	m ³ /hr	mtr	mtr	85%	17.0	11.3	8.5	6.8	5.7	4.3
NOTE A													
Water Application (mm)													
10	3	2	1.47	5.28	18	36	30.6	17.3	11.5	8.6	6.9	5.8	4.3
	4.2	3	1.78	6.42	20.5	41	34.9	18.4	12.3	9.2	7.4	6.1	4.6
	5.4	4	2.07	7.44	22	44	37.4	19.9	13.3	9.9	8.0	6.6	5.0
12	3.4	2	2.12	7.62	19	38	32.3	23.6	15.7	11.8	9.4	7.9	5.9
	4.8	3	2.58	9.3	21	42	35.7	26.1	17.4	13.0	10.4	8.7	6.5
	6.2	4	2.98	10.74	23.5	47	40	26.9	17.9	13.4	10.8	9.0	6.7

- NOTE**
- The pressure at the machine inlet (before turbine) should be about 1.5 to 2 bar higher than the figure given above. I.E. with 10mm nozzle in sprinkler, and 3.7 bar at the machine, you would need a pump pressure of at least 5.2 bar. We normally recommend a connection pressure after the turbine of between 4 to 4.5 bar. Also, the faster the rewind speed of the hose the more pressure will be lost over the turbine.
 - Maximum pressure at hydrant 8 bar.
 - These figures are for guidance purposes only.

Weights & Dimensions

