

MICRO RAIN



Automatic Traveling Sprinklers

Gardens - Sports Turf - Acreages - Nurseries - Horse Arenas



Welcome to the World of MICRO RAIN TRAVELING SPRINKLERS

What in the world do you have to water? With a MICRO RAIN traveling sprinkler you can get it done with a minimum amount of effort and at a low cost to you! With its simple, clean, well thought out design you can take one home and be watering in minutes. Follow along with us and we will show you how easy, cost effective and time saving an investment in your new MICRO RAIN traveling sprinkler can be.



MICRO RAIN - USES

Your creativity or need for water applied when you want it and where you want it is maximized with the use of a MICRO RAIN traveler. The following are some types of projects MICRO RAIN sprinklers are already being used on:

Sports fields <ul style="list-style-type: none"> • College and University • High schools • Prep schools • Grade school • Churches • Municipalities 	Hobby or Small Farms <ul style="list-style-type: none"> Sod Production or Installation Polo Fields Cemeteries Dog Parks Municipal Parks Home Owners Effluent Disposal Indoor Expo Centers Food Plots-Hunting Factory Grounds Nurseries And on... and on... and on...
<ul style="list-style-type: none"> Golf Courses Driving Ranges Roughs Riding Arenas Dust Control Acreages Vegetable Farms 	



MICRO RAIN - EASE OF USE

With a MICRO RAIN you can load it in your truck or on a trailer and have one home and watering in a matter of hours. Just plug the supply hose into your water source, pull out the hose and turn the water on and adjust the speed. After it has completed its run, it turns off automatically and patiently waits for the next move.



MICRO RAIN - QUALITY

We utilize only the most advanced engineering and manufacturing techniques to build the MICRO RAIN traveler. The use of the highest quality components, robotic welding and hand selected suppliers for additional materials, assures us we have the BEST built sprinkler in the market place. We dare to compare!

MICRO RAIN EZ OPERATING STEPS



Move machine into position



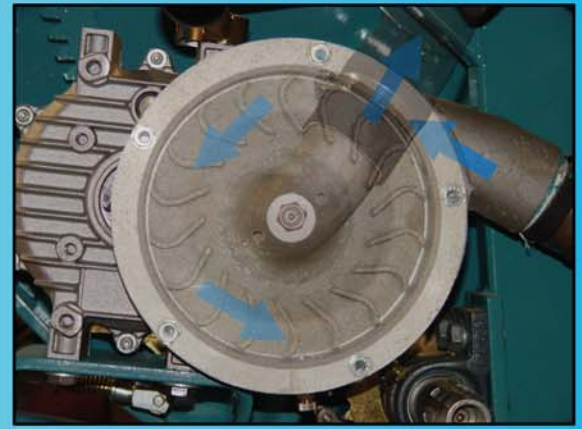
Raise hitch to anchor machine



Pull anti reverse out and put gearbox in neutral to unroll hose

MICRO RAIN - TURBINE DRIVE

At the forefront of our technology is the unique MICRO RAIN turbine. In 1998 the MICRO RAIN engineers designed a turbine which revolutionized small traveler irrigation. Efficient and smooth power is developed as water flows past the fins of the turbine which in turn powers a direct mounted gearbox driving the reel. All of the water used by the turbine stays in the system and no water is dumped by the machine. We are proud of the simplicity of this turbine design. It has proven to be a rugged and dependable solution for powering small traveling sprinklers. The complete MICRO RAIN line of travelers are turbine powered.



MICRO RAIN - WATER SOURCE

The water for your new MICRO RAIN can come from lakes, rivers, wells, municipal water sources or grey water from lagoons. Your MICRO RAIN dealer can design a pump and piping system to deliver the necessary pressure and flow requirements. If existing pressure is insufficient a HONDA powered booster pump or electric booster pump may be added.

MICRO RAIN - MODEL SELECTION

For the proper selection of a MICRO RAIN you must know the dimensions of the area you want to irrigate. Then if you know the amount of water in gallons per minute and pressure you can deliver, you can use the performance summary on the back page to choose your MICRO RAIN. Your dealer would also be happy to assist in this selection.

MICRO RAIN - STANDARD FEATURES

All MICRO RAIN travelers come with these standard features:

- Automatic shutdown when cart reaches machine
- Pressure gauge
- Supply hose
- Stabilizer legs for machine anchor
- Part circle sprinkler
- Turbine operated
- Sprinkler cart on wheels with tow chain (except MR25)
- Scroll levelwind (Except MR25)
- PTO rewind (Except MR25 & MR32)
- Tube miswrap safety (Except MR25)
- Variable speed control
- Polyethylene tube with 3 year warranty
- Low maintenance wheel bearings
- Easy winter draining facilities



MICRO RAIN - PRIDE IN OWNERSHIP

When you purchase a new MICRO RAIN for all of the advantages, which are presented in this brochure, remember one thing. While it is of little value other than on trade-in, we take pride that the MICRO RAIN even looks good after you purchase it. We simply call it "Pride in Ownership"



Pull sprinkler cart out



Adjust speed control for application rate



Traveler will automatically shut down at end of run

Booster Pumps

Booster pumps can be utilized with any of our Micro Rain sprinklers. The reasons for adding booster pumps may be for increasing distance of sprinkler throw or increasing the gallons per minute of a machines capability. An example would be: Using a 5HP onboard booster to water a football field in one pass.



5HP or 9HP Honda
Pull start standard
(electric start optional)



7 gallon non corrosive
fuel tank with wide mouth
opening for easy fill.

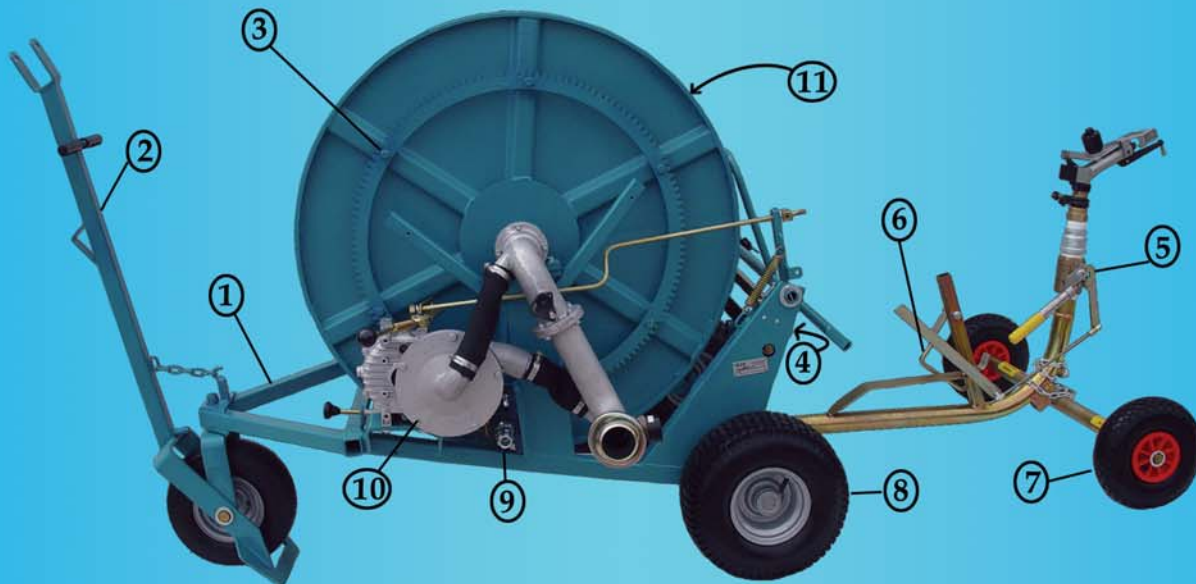


1HP portable electric
booster pump for MR 25
and MR 32

*Consult with your MICRO RAIN dealer for the proper selection and applications of booster pumps.
On average a booster pump will add from 30 to 60 PSI to the traveler.

Before you buy..... LOOK UNDER THE HOOD!

How many of us have heard our fathers say.... "Boy they didn't make this thing so you can work on it!" We took exception to that saying with the MICRO RAIN traveler. We have a clean simple heavy duty design that works and is easy to work on if necessary. In fact it is so simple it has turned the heads of not only customers but of dealers alike who have switched brands to MICRO RAIN. We invite you to compare.



1) Chassis: 3-wheel design provides a stable base and easy to tow behind small powered vehicles and room for mounting boost pumps.

2) Hitch: Heavy-duty design with strong hinge points and doubles as the anchor or stabilizer when raised in operating position. One part number serves two functions.

3) Drum gear: Heavy-duty drive gear is bolted to the reel so if the need ever arises, it can be replaced with simple tools. No need for a cutting torch and welder.

4) Levelwind: Scroll levelwind wraps tube accurately on the reel as the machine operates. No chains or gearboxes.

5) Shutoff: Micro Rains were all designed with mechanical water shutoffs. These creative shutoffs eliminate the tubes, filters, valves actuating devices normally associated with traveler shutoffs.

6) Cart lift: A one-piece hanger is incorporated as part of the sprinkler cart to easily hang the cart on the machine. The MR 50, 58, and 63 cart lifts automatically onto the machine at the end of the run.

7) Cart tires: MR 40 and larger machine all have pneumatic wheels

8) Rear wheels: Sealed bearings with wide turf tires. Eliminates the need to grease on a regular basis. Turf tires provide proper support to help keep machine from rutting in soft or wet soils.

9) PTO Rewind: Used to make small adjustments or to wind machine up if the need arises to service or if field is wet.

10) Turbine: The ultimate design in drive trains for small travelers. Compact direct coupled, eliminates belts, pulleys, springs and unnecessary parts and pieces.

11) Chain cover: Levelwind chain cover completely wraps the chain reducing exposure to rain, dust and hard water being pumped. This increases the longevity of the chain and reduces maintenance.

MICRO RAIN SURAPPBOOK



FOOD PLOTS PASTURE



MR43 ARENA



MR 58RL



MR58



MR43 HIGH TROLLEY



MR32 ARENA



MR58BP AUTOMATIC CART LIFT



MR25 YARD & GARDEN

MICRO RAIN

PERFORMANCE SUMMARY

MODEL Tube ID. (Inches) x Tube Length	GPM	INLET PSI	NOZZLE SIZE (MM)	TOTAL WIDTH FT	IRRIGATED WIDTH (80%) FT	MAX LENGTH FT	ACRES PER RUN	RETRACTION RATE (FT/HOUR) @APPLICATION DEPTH						
								0.25"	0.50"	0.75"	1.0"	1.5"	2.0"	
MR 25 (.8" X 165')	3.2	35	4	72	58	201	0.27	21						
	3.7	45	4	74	60	198	0.27	24						
	5.8	48	5	85	70	207	0.32	32	16					
	8.5	55	6	94	75	212	0.35	44	22					
	9.5	65	6	98	78	214	0.38	46	23					
MR 32 (1" X 242')	7.5	45	6	90	72	287	0.5	40						
	11	55	7	100	80	292	0.54	53	27					
	16	75	8	112	90	298	0.62	69	35					
	18	93	9	125	100	304	0.68	70	35	23				
	21	95	10	132	105	308	0.71	77	38	26				
MR43 (1.43" X 393')	15	45	8 K	112	90	449	1.02	64	32					
	23	65	9 K	128	102	457	1.04	88	44	29	22			
	28	70	10 K	134	107	460	1.1	102	51	33	26			
	40	90	12 H	157	126	471	1.32	122	61	41	30	20		
	60	138	12 H	190	152	488	1.63	153	76	51	38	26	19	
MR50 (1.67" X 558')	28	72	10	134	107	625	1.5	102	51	33	26			
	40	80	12	144	115	630	1.55	135	67	45	34	23		
	73	136	14	190	152	653	2.21	186	93	62	47	31	23	
MR58 (1.9" X 460')	40	65	12	138	110	539	1.3	140	70	47	35	24	17	
	59	73	14	164	131	542	1.58	174	87	58	44	29	22	
	73	92	14	191	152	555	1.87	186	93	62	47	31	23	
	82	117	14	204	163	562	2.02	194	97	65	49	33	24	
	103	134	16	216	173	568	2.17	230	115	77	58	39	29	
MR63 (2.1" X 328')	73	79	14	190	152	428	1.41	186	93	62	47	31	23	
	93	87	16	196	157	428	1.47	228	114	76	57	39	28	
	115	97	18	236	189	446	1.83	232	118	79	58	40	29	
	140	116	20	250	200	453	1.97	270	135	90	68	45	34	
MR58RL (1.9" X 660')	40	55	12	132	106	726	1.75		73	49	37	25	17	
	48	75	12	156	125	738	2.11		74	49	37	25	19	
	67	95	14	172	138	746	2.36		94	63	47	32	21	
	75	115	14	194	155	757	2.69		93	62	47	31	22	
90	125	16	192	154	756	2.67		85	57	43	29	23		

NOTICE: These specifications are for a guide only and are based on theoretical calculations and performance tests. This is to be used as a guide only, as performance may vary under field conditions. The combination of gallons per minute, pressure, and atmospheric conditions such as wind speed will determine your performance characteristics. Shortening the tube length can also increase performance of your MICRO RAIN.

MR43 Note: K = KI Sprinkler; H = Hidra Sprinkler *Red numbers indicate a high speed option



For sales, installation, & service call:

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Visit our website @
www.microrain.net

Request information on our
complete line of MICRO RAIN
traveling sprinklers