

# MICRO RAIN

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A "Turbine Drive" traveling sprinkler perfect for arena watering.

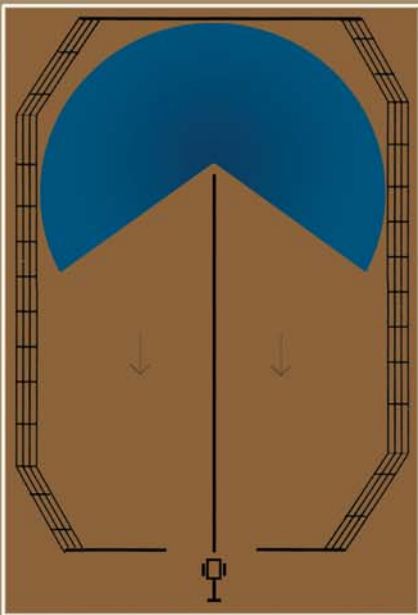


# Welcome to the World of MICRO RAIN ARENA SPRINKLERS

**MICRO RAIN** traveling sprinklers are designed to give you a simple, automated method of applying water to your arena surface.

**Problem:** Dust suppression and maintaining proper arena surface conditions. It takes a lot of time and labor to hand water. Stationary sprinklers on hoses create mud holes and must be moved regularly. Fencetop or overhead systems are inefficient, costly to maintain and sprinkler heads can catch swinging ropes and could be dangerous to livestock. Water trucks are also expensive, cumbersome and compact soil. Some competitive machines also dump water as they operate leaving a puddle or water hole while operating.

**Solution:** A **MICRO RAIN** arena watering system eliminates all of the above methods. **MICRO RAIN**s provide unattended, uniform, controlled, fully adjustable water application.



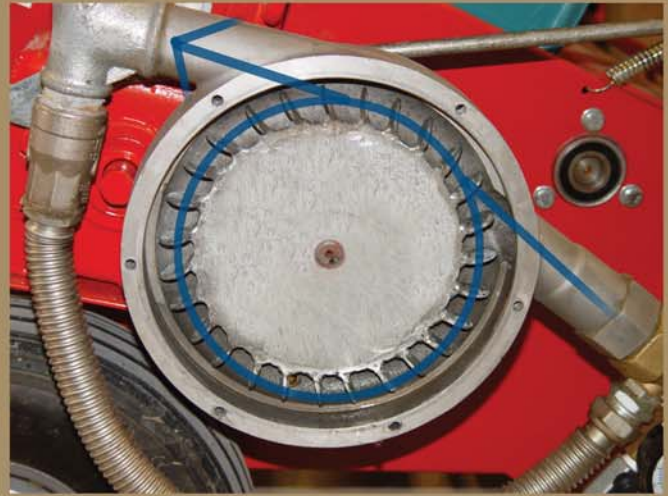
**Uniform water coverages**  
Sprinkler travels the length of the arena and then automatically shuts off

## TURBINE DRIVE SYSTEM THE MICRO RAIN ADVANTAGE

All **MICRO RAIN** traveling sprinkler systems utilize an efficient, maintenance free turbine drive system to retract the hose and cart.

The turbine uses the flow of incoming water to generate power. It is combined with a gearbox and optimal drive gear combination to allow fast or slow retraction rates tailored for precise arena watering.

**MICRO RAIN** turbine drive systems have been designed to be the most user friendly and reliable product on the market today to keep your arena in perfect condition.



"Turbo Drive" Turbine Powered

- Durable & long lasting
- Water flow powers hose wind up
- All water stays in system
- Less maintenance
- Easy speed adjustment

## MICRO RAIN OPERATING STEPS



A well balanced machine easy to move into position



Hook up hose to water and/or booster pump



Release gearbox to unroll hose

# Micro Rain Selection Guide

## Most common models for arenas



### MR25

Perfect for small arenas and operates off most 3/4" hydrants. Requires from 3 to 10 gallons per minute to operate.  
Wetted areas up to 200ft x 90ft

### MR32

The MR32 is the IDEAL arena machine!! We created this machine with arenas specifically in mind. A great fit for most any size arena indoor or outdoor. Operates on 7 to 20 gallons/minute.

Wetted areas up to 300ft x 130ft



### MR43

The MR43 is well suited for larger arenas or grass areas of 1 to 5 acres. Operates on 15 to 50 gallons/minute

Wetted areas up to 450ft x 150ft

\* For more detailed performance information review the performance charts on the back of this brochure or consult you KID dealer for help in sizing your MICRO RAIN!!!



Pull sprinkler cart across arena



Adjust speed control for desired application



Traveler automatically shuts off at end of watering

# MICRO RAIN

## ARENA PERFORMANCE SUMMARY

MODEL	GALLONS PER MINUTE	INLET PSI	SPRINKLER PSI SPRINKLER (SIZE MM)	INDOOR WIDTH FT	OUTDOOR WIDTH FT	MAX WETTED LENGTH	APPLICATION RATE AND SPEED IN FEET PER HOUR TO APPLY				
							0.10"	0.25"	0.50"	0.75"	1.0"
MR 25 (0.8" X 165')	3.2	40	22 (4)	66	52	198	45	18			
	5.8	48	30 (5)	85	70	207	80	32	16		
	8.5	55	30 (6)	94	75	212	110	44	22		
MR 32 (1"X242')	7.5	45	25 (6)	90	72	287	85	34			
	15	65	30 (8)	106	90	295	160	64	32		
	18	93	45 (9)	125	100	304	175	70	35	23	
	21	100	45(10)	132	105	308	192	77	38	26	20
MR43 (1.43"X393')	15	45	30(8)	112	90	449	110	55	27	18	
	23	65	45(9)	128	102	457	176	88	44	27	22
	28	70	45(10)	134	107	460	204	102	51	33	26
	40	102	45(12)	157	126	472		140	70	47	35
	60	138	70(12)	189	152	488		153	76	51	38
MR50 (1.67"X558')	28	72	45(10)	134	107	625		102	51	33	26
	40	80	45(12)	144	115	630		134	67	45	34
	73	136	60(14)	190	152	653		186	93	62	47
MR58 (1.9"X460')	40	65	45(12)	138	110	529		134	70	47	35
	59	73	45(14)	164	131	542		174	87	58	44
	73	92	60(14)	190	152	555		186	93	62	47
	93	112	60(16)	196	157	558		228	114	76	57
MR63 (2.1"X328')	73	79	60(14)	190	152	423	232	93	62	47	31
	93	87	60(16)	196	157	426	248	114	76	57	38
	115	97	60(18)	236	189	446		118	79	59	40
	140	116	60(20)	250	200	453		135	90	68	45

\* Red numbers are high speed options

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 if necessary to fit your arena length can also increase performance of your MICRO RAIN.



Small electric booster pumps are easy to install at arena

### BOOST PUMPS

Your water system's capability of producing pressure and gallons per minute can greatly affect the distance of throw of the sprinkler and the amount of time to apply water. There are several options to add booster pumps to your system at the arena site which can greatly enhance the performance of your MICRO RAIN arena sprinkler.



The MR43 and larger may be fitted with an onboard 5HP Honda boost pump



15250 Sunshine Rd Yukon, Ok 73099  
 Phone: (405) 354-6925  
 Fax: (405) 354-5529  
[www.microrain.net](http://www.microrain.net)

For Sales & Service Call:

