

MICRO SERIES IRRIGATION TRAVELERS



The Micro Series Irrigation Travelers from ABI are ideally suited for sports fields, landscape areas, horse arenas, polo fields, hobby farms, nurseries, feed plots, vegetable farms, and small acreage farms requiring irrigation at an affordable cost.

ABI Micro Series systems make portable irrigation a simple matter, requiring less labor than conventional portable systems, while being an excellent low cost alternative to in-ground installations. Micros operate unattended and are fitted with automatic shut-off valve and automatic cart loading as a standard feature.

The simple turbine drive system eliminates the need for pulleys, belts, sprockets and chains, keeping maintenance to a minimum and utilizing all the water – no wasteful dumping onto the ground.



Contact **ABI** for more information

ABI irrigation

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Standard Features

- Low pressure turbine drive
- Minimum pressure requirement of 35 psi.
- Automatic drive shut-off at end of cycle.
- Automatic water shut-off.
- Adjustable width wheeled sprinkler cart.
- Part circle sprinkler with 2 nozzles.
- Speed control valve for more accurate applications.
- Scroll type hoseguide.
- Pressure gauge.
- 12-foot heavy-duty rubber supply hose.
- Extra width floatation tires.
- Automatic cart loading and lifting.
- Rotating third wheel jack.
- Lockable drive system cover.

P.E. Pipe O.D.: 1.97" (40 mm)			P.E. Pipe I.D.: 1.3" (33 mm)				P.E. Pipe Length: 425' (130 m)				
Micro 405							SPEED OF P.E. PIPE PULL IN METERS/HOUR				
							9	15	19	25	30
SPRINKLER: Sime K1							SPEED OF P.E. PIPE PULL IN FEET/HOUR				
							30	50	60	80	100
INLET PRESSURE (PSI)	NOZZLE PRESSURE (PSI)	NOZZLE SIZE MM (IN)	WATER FLOW (GPM)	SPRAY RANGE (FEET)	SPACING (FEET) 85%	ACRES PER PULL	PRECIPITATION RATE IN INCHES				
35	22	8 (0.32)	13	50	90	1.0	0.5	0.3	0.2	0.1	0.1
45	30		15	55	90	1.0	0.5	0.3	0.3	0.2	0.1
80	58		21	67	90	1.0	0.7	0.4	0.4	0.3	0.2
42	22	10 (0.40)	20	55	90	1.0	0.7	0.4	0.4	0.3	0.2
54	30		23	59	90	1.0	0.8	0.5	0.4	0.3	0.2
96	58		32	66	90	1.0	1.1	0.7	0.5	0.4	0.3
60	22	12 (0.47)	29	55	90	1.0	1.0	0.6	0.5	0.4	0.3
68	30		33	62	120	1.3	0.9	0.5	0.4	0.3	0.2
110	58		41	69	120	1.3	1.1	0.7	0.5	0.4	0.3
ESTIMATED TIME FOR COMPLETE WINDING IN HOURS → → →							14.0	8.5	7.0	5.5	4.5

P.E. Pipe O.D.: 1.97" (50 mm)			P.E. Pipe I.D.: 1.6" (40.5 mm)				P.E. Pipe Length: 525' (160 m)							
Micro 505			505ss 5.5 hp Booster Pump		ABI irrigation					SPEED OF P.E. PIPE PULL IN METERS/HOUR				
										9	15	19	25	30
SPRINKLER: Komet 163			Komet 101 Ultra		ABI irrigation					SPEED OF P.E. PIPE PULL IN FEET/HOUR				
										30	50	60	80	100
INLET PRESSURE (PSI)	NOZZLE PRESSURE (PSI)	NOZZLE SIZE MM (IN)	WATER FLOW (GPM)	SPRAY RANGE (FEET)	SPACING (FEET) 85%	ACRES PER PULL	PRECIPITATION RATE IN INCHES							
66	50	8 (0.32)	29	76	120	1.7	0.8	0.5	0.4	0.3	0.2			
78	60		32	80	120	1.7	0.9	0.5	0.4	0.3	0.2			
90	70		34	83	120	1.7	0.9	0.5	0.4	0.3	0.2			
73	50	10 (0.40)	39	83	120	1.7	1.0	0.6	0.5	0.3	0.2			
86	60		43	89	150	1.7	1.1	0.6	0.5	0.3	0.2			
99	70		46	93	150	2.2	1.1	0.6	0.5	0.3	0.2			
84	50	12 (0.47)	53	90	150	2.2	1.1	0.7	0.5	0.4	0.2			
101	60		58	95	150	2.2	1.2	0.7	0.6	0.4	0.2			
115	70		62	99	150	2.2	1.3	0.8	0.6	0.4	0.2			
104	50	14 (0.55)	62	108	180	2.7	1.1	0.7	0.6	0.4	0.2			
117	60		67	115	180	2.7	1.2	0.7	0.6	0.4	0.2			
131	70		73	122	180	2.7	1.3	0.8	0.6	0.4	0.2			
115	50	16 (0.63)	80	116	180	2.7	1.4	0.9	0.7	0.5	0.3			
130	60		88	123	210	3.2	1.3	0.8	0.7	0.5	0.3			
142	70		95	131	210	3.2	1.5	0.9	0.5	0.5	0.3			
ESTIMATED TIME FOR COMPLETE WINDING IN HOURS → → →							18.5	11.0	9.5	7.0	5.5			

Performance data has been obtained under ideal test conditions and may be adversely affected by wind, poor inlet pressure conditions or other factors.

No representation regarding droplet condition, uniformity, application rate or suitability for a particular application is made herein.

Operating at lower or higher pressures than stated above may result in warranty being voided.

Acresage is based on 1-inch application, 15 hours a day, 7 days a week.

405 Specifications

Maximum Flow	: 41 gpm
Maximum wetted area	: 1.3 acres
Length	: 55 inches
Width	: 41 inches
Height	: 48 inches
Weight	: 506 lbs.

505/505ss Specifications

Maximum Flow	: 95 gpm
Maximum wetted area	: 3.2 acres
Length	: 69 inches
Width	: 52 inches
Height	: 58 inches
Weight	: 792 lbs.