

TORO

Count on it.

Aqua-Traxx[®] PC

Pressure Compensating Drip Tape

Micro-Irrigation

Until now sprinklers would have been the only economical choice in these topographical conditions...



...but now Aqua-Traxx PC is available.



Aqua-Traxx PC is the only pressure compensating tape on the market today and the only economical micro-irrigation alternative to sprinklers in undulating terrain.



An all-terrain, high performance drip tape.

Application:

Aqua-Traxx PC is the industry's only pressure compensating drip tape. Aqua-Traxx PC increases profitability by saving water, energy and chemical costs and it allows for optimum results on land that was once considered marginal. The superior performance of Aqua-Traxx PC takes drip tape to the next level.

We recommend Aqua-Traxx PC in these applications:

- Ideal to irrigate crops in difficult topographical conditions
- In areas of high wind where spray losses and poor uniformity would be unavoidable with sprinklers
- In areas with low or varying water pressure and in installations requiring long laterals



The breakthrough result of 30 years of drip tape research, development and manufacturing from Toro Micro-Irrigation.

Aqua-Traxx[®] PC
Pressure Compensating Tape

Aqua-Traxx PC vs. Sprinklers

Advantages

- Increased Emission Uniformity (EU).
- Saves water.
- Saves energy due to water savings and lower system pressures.
- Lower application rates nearly eliminate runoff problems.
- Saves fertilizer and other chemicals.
- Saves labor cost. Fertilizer and chemical applications are done through the system and there are no pipes to move.
- Easier access to the field for tractor operations.
- Avoids spray losses, evaporation and non-uniformity caused by windy conditions.
- Reduces diseases caused by high humidity, such as mildew.
- Systems are more economical due to smaller pipe size requirements, which are made possible by lower flow rates.
- Reduces herbicide and weeding labor.



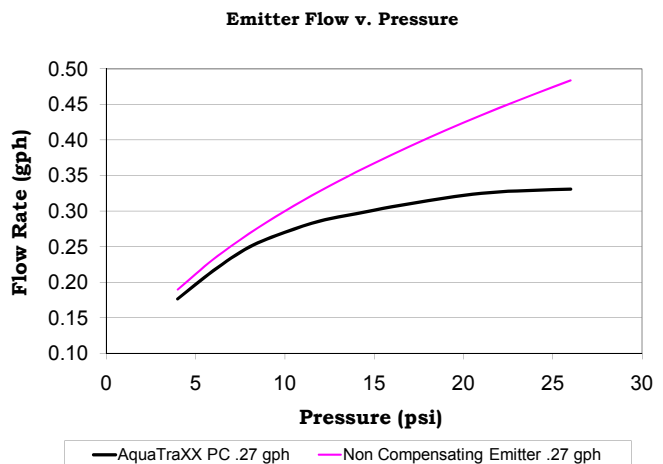
Versatility

- Aqua-Traxx PC is available in spacing from 6" to 24".
- Wide pressure operating range: 4 – 25 psi.
- Significant elevation changes either down slopes or over undulating terrain.

Features:

Tube

- Seamless construction; no more splitting at the seam
- Blue stripes, signature of quality and a useful installation aid. Blue stripes "up" insures proper outlet placement
- Ultra-high strength and flexibility



Emitter

- Filter inlets - prevents debris from entering the flow path
- Turbulent flow path
- Pressure compensating
- Multiple laser slit outlets – Less susceptible to back siphoning and root intrusion
- Precise performance

Aqua-Traxx PC Product Specifications

Performance Charts

Part Number	EAP5xx0867-xxx 5/8" Diameter 0.67 gpm /100' @ 10 psi					Part Number	EAP5xx0850-xxx 5/8" Diameter 0.50 gpm /100' @ 10 psi				
	0 % Slope Inlet Pressure (psi)						0 % Slope Inlet Pressure (psi)				
EU%	10	12	14	16	18	EU%	10	12	14	16	18
94	350	375	375	375	375	94	425	450	450	475	475
92	425	450	450	475	500	92	525	550	550	575	575
90	475	500	500	525	525	90	575	600	625	650	650

Part Number	EAP5xx0867-xxx 5/8" Diameter 0.67 gpm /100' @ 10 psi					Part Number	EAP5xx0850-xxx 5/8" Diameter 0.50 gpm /100' @ 10 psi				
	3% Downslope Inlet Pressure (psi)						3% Downslope Inlet Pressure (psi)				
EU%	10	12	14	16	18	EU%	10	12	14	16	18
94	475	500	500	525	525	94	525	575	600	600	625
92	575	600	600	600	625	92	675	725	725	750	750
90	625	650	675	675	675	90	775	800	825	825	850

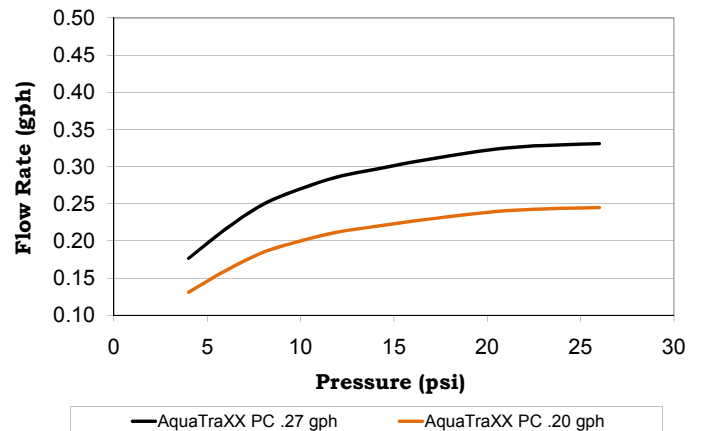
Part Number	EAP5xx0867-xxx 5/8" Diameter 0.67 gpm /100' @ 10 psi					Part Number	EAP5xx0850-xxx 5/8" Diameter 0.50 gpm /100' @ 10 psi				
	6% Downslope Inlet Pressure (psi)						6% Downslope Inlet Pressure (psi)				
EU%	10	12	14	16	18	EU%	10	12	14	16	18
94	75	100	100	125	500	94	75	75	100	125	125
92	475	550	600	625	650	92	150	175	500	700	750
90	625	650	675	700	725	90	700	775	800	825	850

For complete length of run information consult the ToroAg Aqua-Flow Program.
 *Denotes lateral drops below minimum operating pressure before reaching an EU of 90%

Specifications

Coefficient of Variation (CV)	All emitters	≤ 3%
Flow Exponent	All emitters	0.3
Inside diameter	5/8	.635
Inside diameter	7/8	.875
Inside diameter	1 1/8	1.375
Operating pressure range	4 – 25 psi	See chart for different mil thickness
Hazen-Williams C factor	All tube sizes	140
Minimum filtration requirement	All emitters	200 mesh (74 micron)

Emitter Flow vs. Pressure of Aqua-Traxx PC



Aqua-Traxx PC Ordering Information



Product Range

Diameter	Available Wall Thickness
5/8"	8, 10, 12 and 15 mil
7/8"	10, 12 and 15 mil
1 3/8"	15 mil

Wall Thickness	Pressure, psi Min.	Max	Reel Length, Ft.	Reel Weight, Lbs.	
8 mil	4	16	7,500	63	5/8"
10 mil	4	20	6,000	60	
12 mil	4	22	5,100	58	
15 mil	4	25	4,000	61	
10 mil	4	18	4,400	65	7/8"
12 mil	4	20	4,000	61	
15 mil	4	22	3,000	62	
15 mil	4	18	2,700	87	1 3/8"

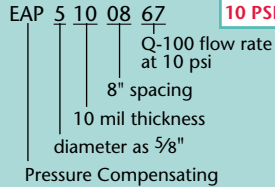


Understanding Aqua-Traxx PC Part Numbers

X - denotes 5 for 5/8" diameter, 7 for 7/8" diameter or xx - denotes mil thickness

Example:

How To Order:



Nominal flow @ 10 PSI

NOTE: Install Aqua-Traxx with blue stripes up.

Flow Rates

Product	Part Number	Individual Emitter Flow Rate GPH@ 10 psi	Spacing inches	Q-100 GPM per 100 ft. @ 10 psi
0.20 GPH @ 10 PSI				
	EAPXxx0667	0.20 gph	6"	0.67
	EAPXxx0850	0.20 gph	8"	0.50
	EAPXxx1234	0.20 gph	12"	0.34
	EAPXxx1625	0.20 gph	16"	0.25
	EAPXxx1822	0.20 gph	18"	0.22
	EAPXxx2417	0.20 gph	24"	0.17
0.27 GPH @ 10 PSI				
	EAPXxx0690	0.27 gph	6"	0.90
	EAPXxx0867	0.27 gph	8"	0.67
	EAPXxx1245	0.27 gph	12"	0.45
	EAPXxx1634	0.27 gph	16"	0.34
	EAPXxx1830	0.27 gph	18"	0.30
	EAPXxx2422	0.27 gph	24"	0.22

The Toro Company
 Micro-Irrigation Business
 1588 N. Marshall Avenue, El Cajon, CA 92020-1523, USA
 Tel: +1 (800) 333-8125 or +1 (619) 562-2950
 Fax: +1 (800) 892-1822 or +1 (619) 258-9973

toromicroirrigation.com

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