



Streamline 630 Series

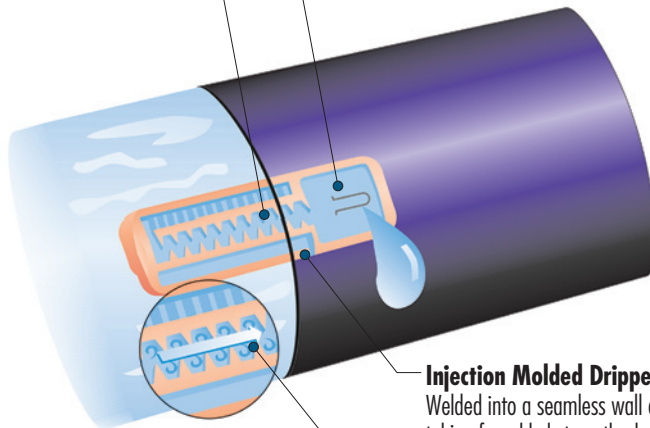
The Ultimate Thinwall Dripperline for Medium Sized Fields of Seasonal Vegetables and Row Crops

Industry's Widest Flow Path

Wider cross-section allows large particles through short flow path.

Advanced Flap Technology

Systematically opens and closes during start-up and shut-down providing uninterrupted flow while open and preventing soil ingestion and root intrusion when closed.



Injection Molded Drippers

Welded into a seamless wall of tubing for added strength, durability and long-term performance.

TURBONET

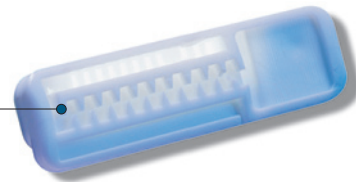
Increased Flow Path Velocity

Commonly used turbulent drippers have overlapping tooth patterns, easily catching debris.

Turbonet Technology improves dripper performance by widening the tooth pattern, maximizing flow path velocity, allowing contaminants to pass easily through the dripper, virtually eliminating plugging.

Product Advantages

- Injection Molded Drippers - welded into a wall of seamless tubing preventing damage to the drippers during installation and distortion of the dripper flow even as tubing stretches and expands
- Seamless Construction
 - Stronger, more durable than comparable drippers
 - Fortifies against splitting or bursting under high pressures required for proper flushing
 - Eliminates root growth and intrusion - no path for roots to follow
- Dripperlines packaged with more feet per reel, the industry's longest, requiring fewer fittings and less time changing reels during installation
- Industry's lowest filtration requirement - 120 mesh
- Larger filter inlets, provide secondary filtration - reduces clogging, maintaining the essential supply of water to the dripper for constant delivery of water flow



Applications

- For sub-surface or surface installations.
- For peppers, tomatoes, melons and vegetable crops.
- **4 mil** – for seasonal use.
 - In light to medium textured soils with a minimum of rocks or clods – or under plastic mulch. Must be buried at least one inch under plastic.
- **6 mil** – for seasonal use, surface or shallow (up to 5") burial.
- **8 mil** – for seasonal or multi-seasonal use, surface or shallow (up to 8") burial.
- **10 mil** – for multi-seasonal use, surface or shallow (up to 10") burial.

Specifications

Wall thickness (mil): 4, 6, 8, 10

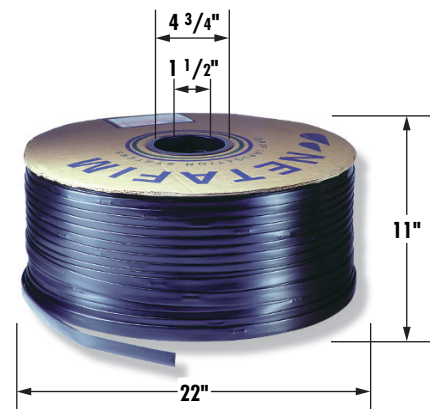
Inside diameter (inches): .636, .638

Nominal flow rates (GPH) @ 10 psi: .16, .22, .38

Common spacings: 8", 10", 12", 16", 18", 24"

Recommended filtration:

- 120 mesh for .22 and .38 GPH
- 140 mesh for .16 GPH



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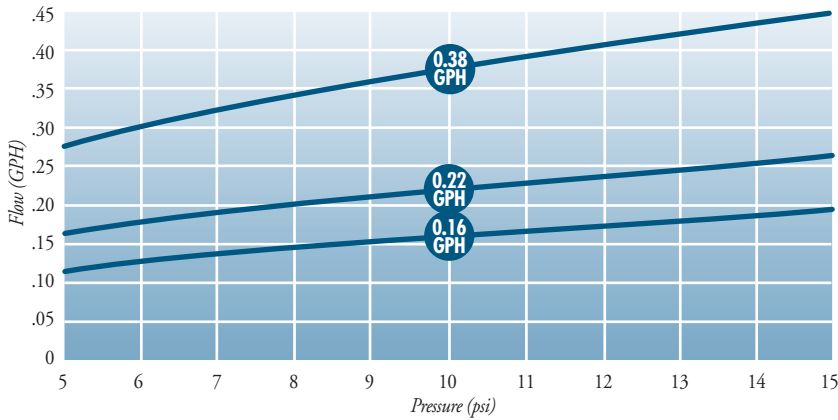
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Streamline 630 Series Technical Information

STREAMLINE Flow Rate vs. Pressure



DRIPPER DATA - 4, 6, 8 & 10 mil

Dripper GPH	Exponent (x)	Constant (k)	Kd (630)	Cv
0.16	0.48	0.053	0.10	.025
0.22	0.45	0.084	0.10	.025
0.38	0.45	0.128	0.10	.025

DRIPPER FLOW PATH DIMENSIONS

Dripper	Length	Depth	Width
0.16	.905"	.018"	0.020"
0.22	.504"	.020"	0.021"
0.38	.504"	.026"	0.026"

PACKAGING DATA

Wall	Reel Length	Weight	Reels per Pallet	Weight per Pallet
4 mil	15,000'	59 lbs	16	989 lbs
6 mil	11,500'	69 lbs	16	1,149 lbs
8 mil	9,000'	66 lbs	16	1,101 lbs
10 mil	7,500'	67 lbs	16	1,117 lbs

Packaging data using 22" x 11" cardboard reels with 1 1/2" hub hole.
Weights are approximate. 16 reels per pallet. Pallet weight includes 45 lbs. for weight of pallet.

MAXIMUM OPERATING PRESSURE

Wall Thickness	psi
4 mil	8
6 mil	9
8 mil	12
10 mil	14

LENGTH OF RUN @ 0% Slope

0.16 GPH Dripper (0.16 @ 10 psi)

Dripper Spacing	GPM per 100 ft.	Emission Uniformity (EU)		
		94%	92%	90%
8"	0.398	391	472	538
12"	0.267	535	650	743
16"	0.201	670	813	929
18"	0.177	731	888	1001
24"	0.134	902	1093	1243

LENGTH OF RUN @ 0% Slope

0.22 GPH Dripper (0.24 @ 10 psi)

Dripper Spacing	GPM per 100 ft.	Emission Uniformity (EU)		
		94%	92%	90%
8"	0.586	310	377	420
12"	0.394	427	515	583
16"	0.296	528	640	724
18"	0.260	580	698	792
24"	0.197	715	860	976

LENGTH OF RUN @ 0% Slope

0.38 GPH Dripper (0.36 @ 10 psi)

Dripper Spacing	GPM per 100 ft.	Emission Uniformity (EU)		
		94%	92%	90%
8"	0.889	235	283	322
12"	0.600	323	390	441
16"	0.450	402	486	549
18"	0.396	439	530	600
24"	0.300	538	655	740

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