



# Typhoon 1 3/8" Series

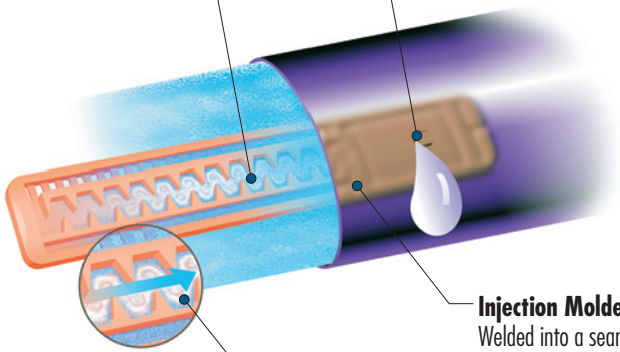
## The Ultimate Thinwall Dripperline for Long Term Row Crop Irrigation To 1/2 Mile

### 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

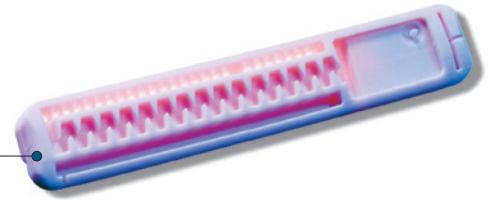
#### Increased Flow Path Velocity

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 drip installations - deep burial (up to 24").
- For durable protection against rocks and insect intrusion.
- For a wide array of row crops when long runs are needed.

### Specifications

Wall thickness (mil): 15

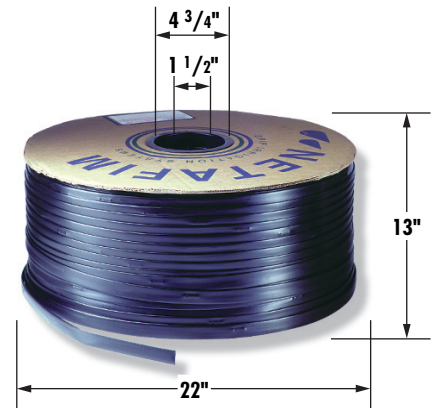
Inside diameter (inches): 1.375"

Nominal flow rates (GPH) @ 10 psi:  
.18, .24, .36, .58

Common spacings: 14", 24"

Recommended filtration:

- 120 mesh for .24, .36 and .58 GPH
- 140 mesh for .18 GPH



### NETAFIM USA

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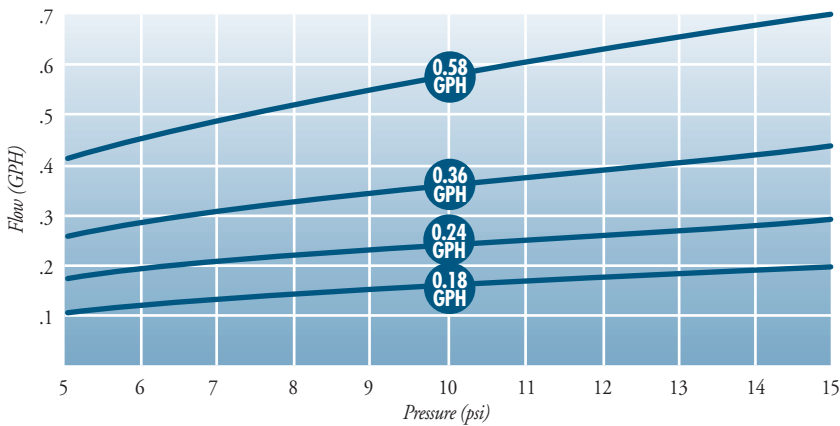
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# Typhoon 1 3/8" Series Technical Information

**TYPHOON** Flow Rate vs. Pressure



## DRIPPER DATA

Dripper GPH	Exponent (x)	Constant (k)	Kd (990)	Cv
0.18	0.48	0.059	0.08	.025
0.24	0.48	0.081	0.08	.025
0.36	0.48	0.118	0.08	.025
0.58	0.48	0.184	0.08	.025

## DRIPPER FLOW PATH DIMENSIONS

Dripper	Length	Depth	Width
0.18	.9"	.018"	0.024"
0.24	.9"	.024"	0.024"
0.36	.9"	.028"	0.032"
0.58	.9"	.034"	0.037"

## PACKAGING DATA

Wall	Length	Weight	Reels per Pallet	Weight per Pallet
15 mil	2,700'	81 lbs	12	1,017 lbs

Packaging data using 22" x 13" cardboard reels with 1 1/2" hub hole.  
Weights are approximate. Pallet weight includes 45 lbs. for weight of pallet.

## MAXIMUM OPERATING PRESSURE

Wall Thickness	psi
15 mil	12

## LENGTH OF RUN @ 0% Slope

**TYPHOON 1 3/8", 0.18 GPH Dripper (0.18 @ 10 psi)**

Dripper Spacing	GPM per 100 ft.	Emission Uniformity (EU)		
		94%	92%	90%
12"	0.285	2200	3180	3900
14"	0.244	2380	3500	4390
18"	0.189	2700	4000	5200
24"	0.140	3200	4450	5980

## LENGTH OF RUN @ 0% Slope

**TYPHOON 1 3/8", 0.24 GPH Dripper (0.24 @ 10 psi)**

Dripper Spacing	GPM per 100 ft.	Emission Uniformity (EU)		
		94%	92%	90%
12"	0.382	1600	2180	2760
14"	0.324	1780	2360	3030
18"	0.251	2130	2700	3400
24"	0.188	2600	3160	3830

## LENGTH OF RUN @ 0% Slope

**TYPHOON 1 3/8", 0.36 GPH Dripper (0.36 @ 10 psi)**

Dripper Spacing	GPM per 100 ft.	Emission Uniformity (EU)		
		94%	92%	90%
12"	0.550	1250	1530	1800
14"	0.471	1390	1700	1980
18"	0.366	1670	2025	2310
24"	0.275	2020	2460	2810

## LENGTH OF RUN @ 0% Slope

**TYPHOON 1 3/8", 0.58 GPH Dripper (0.58 @ 10 psi)**

Dripper Spacing	GPM per 100 ft.	Emission Uniformity (EU)		
		94%	92%	90%
12"	0.856	945	1140	1300
14"	0.734	1050	1280	1455
18"	0.571	1250	1520	1730
24"	0.429	1520	1850	2110

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