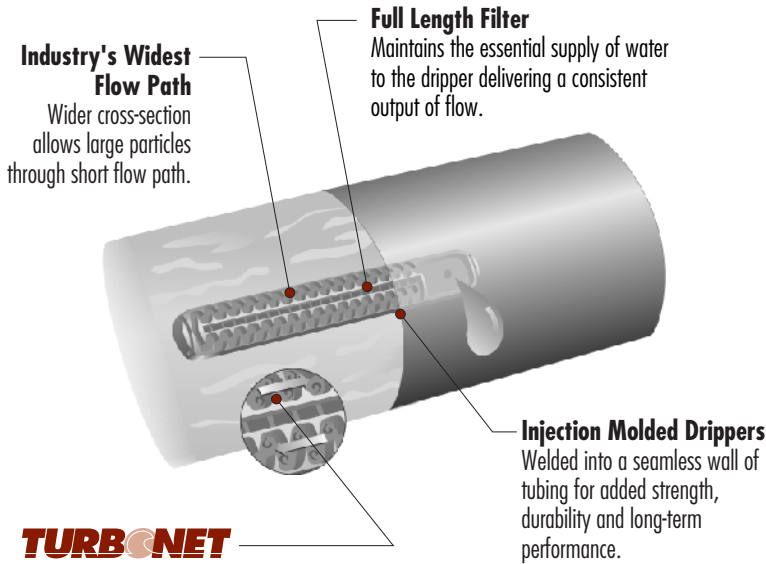




# Leach Line™ Dripperline

## For Heap Leaching in Mines



### 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

- The position of the filter inlet to the dripper draws cleaner water or solution from the center of the flow path - reducing the risk of clogging.
- Constructed of durable polyethylene tubing.
- Seamless, one-piece construction prevents damage to dripper's flow path during installation and retrieval.
- Non-pressure compensating.
- UV and acid resistant.
- No clamps required below 35 psi.
- Lowest co-efficiency of variation (CV) in the industry, < 0.03.
- Most widely used in the industry.
- Integral Design - Leach Line's technology leaves no exposed drippers to be knocked off.
- Less mechanical damage adds up to fewer labor and replacement costs.



Leach Line Dripper

## Applications

- On-surface or subsurface installations.
- Heap leach applications.
- Gentle slopes.
- Reclamation projects.

## Specifications

Inside diameter: .540 (17mm, 45 mil)

.620 (18mm, 45 mil)

.690 (20mm, 48 mil)

Nominal flow rates (GPH): .5, 1.0, 2.0, 4.0

Common spacings: 18", 24", 30", 36", 42"

Maximum operating pressure: 45 psi

Recommended filtration: 120 mesh



1,000' Length Reel of Leach Line Dripperline



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## Leach Line™ Product Selection Guide

\*Flow Variation +/- . Data based on 18 psi inlet pressure. .540" I. D. Headloss and Lateral Length curves not shown. Minimal differences in pressure loss from shown products.

## Leach Line™ Headloss and Lateral Length

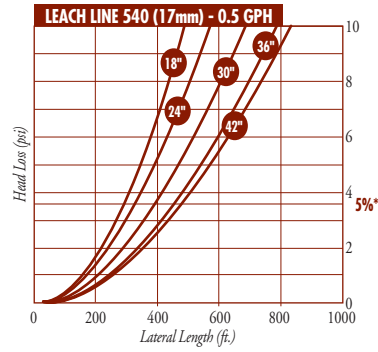
LEACH LINE 540

### LEACH LINE 540 - 17mm

**Flows (GPH):**

0.5, 1.0, 2.0 and 4.0

**Wall thickness (mil):** 45



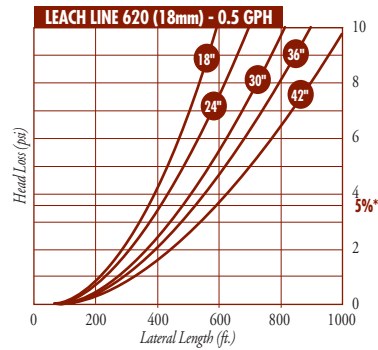
LEACH LINE 620

### LEACH LINE 620 - 18 mm

**Flows (GPH):**

0.5, 1.0, 2.0 and 4.0

**Wall thickness (mil):** 45



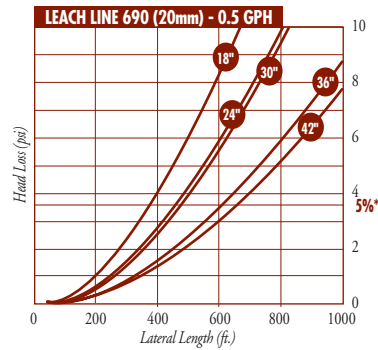
LEACH LINE 690

### LEACH LINE 690 - 20 mm

**Flows (GPH):**

0.5, 1.0, 2.0 and 4.0

**Wall thickness (mil):** 48



## Leach Line Technical Information

### DRIPPER DATA

Dripper GPH	Kd (540)	Kd (620)	Kd (690)	Exponent (x)	Constant (K)
0.5	0.55	0.35	0.10	0.48	0.145
1.0	0.55	0.35	0.10	0.48	0.290
2.0	0.55	0.35	0.10	0.48	0.570
4.0	0.55	0.35	0.10	0.48	1.100

Note:  $Q (GPH) = K \star P (psi)^x$

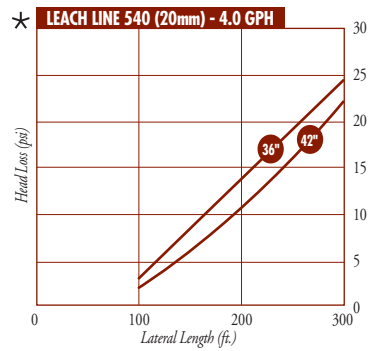
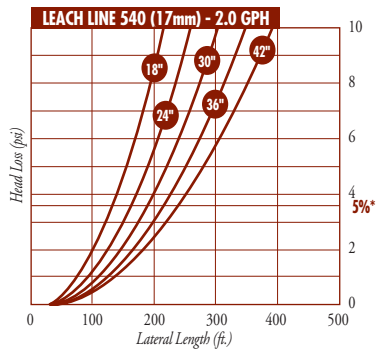
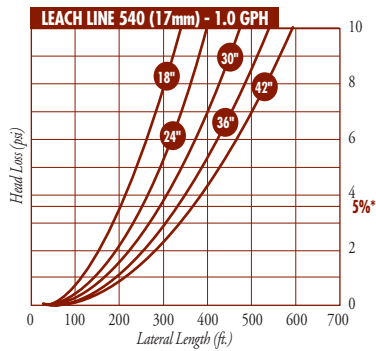
$x = \text{Exponent (x)}$   $K = \text{Constant (K)}$

### PACKAGING DATA

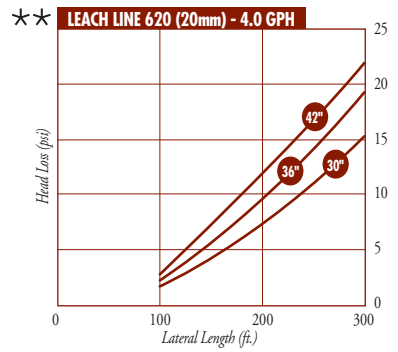
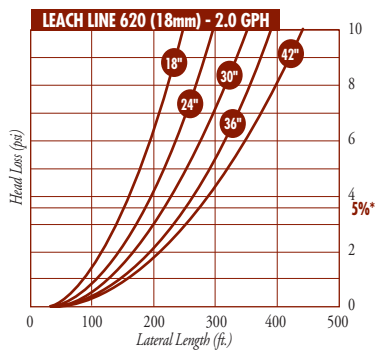
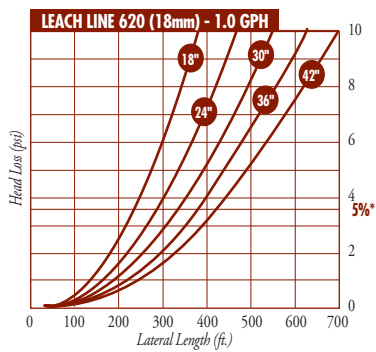
I.D.	Wall	Reel Length	Weight
.540"	45	1,000'	35 lbs
.620"	45	1,000'	40 lbs
.690"	48	1,000'	44 lbs

20 reels per pallet.

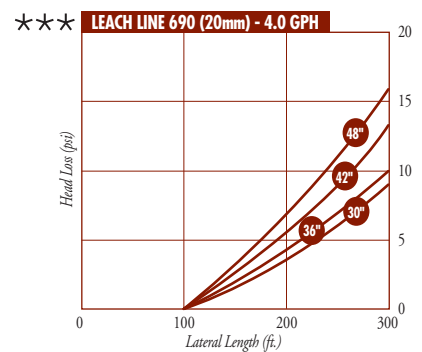
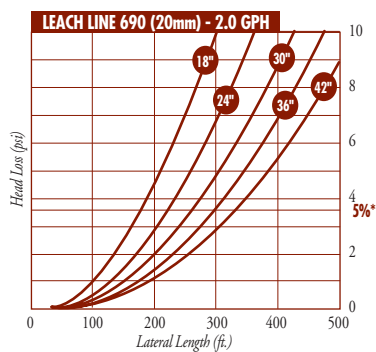
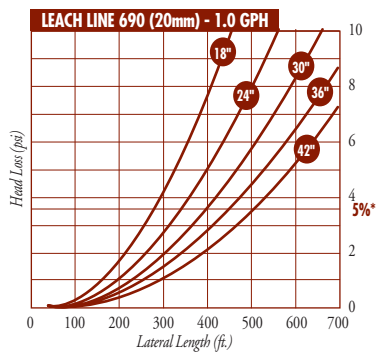
**LEACH LINE 540**



**LEACH LINE 620**



**LEACH LINE 690**

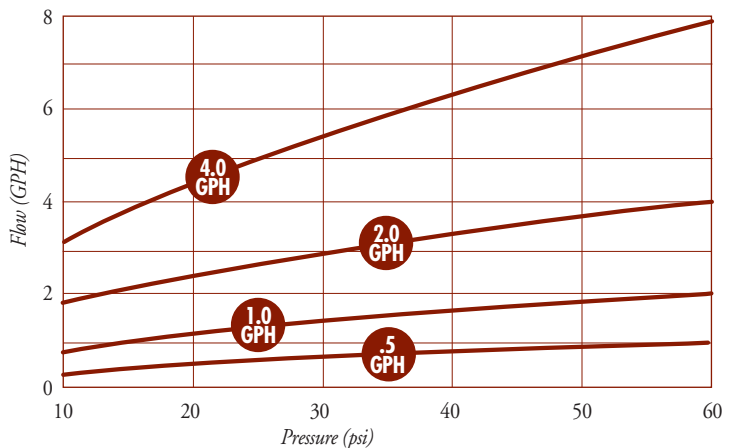


\*Leach Line .540, 4.0 GPH not available with 18", 24" or 30" dripper spacing.  
 \*\*Leach Line .620, 4.0 GPH not available with 18" or 24" dripper spacing.  
 \*\*\*Leach Line .690, 4.0 GPH not available with 18" or 24" dripper spacing.

**DRIPPER FLOW PATH DIMENSIONS**

Dripper	Length	Depth	Width
.5	4.33"	.031"	.042"
1.0	4.33"	.049"	.053"
2.0	1.85"	.055"	.070"
4.0	1.46"	.075"	.088"

**LEACH LINE Flow Rate vs. Pressure**



# Leach Line™ Application Rates

	Pressure (psi)	Flow (GPH)	Spacing Lateral	Spacing Between Drippers (inches)				
				18	24	30	36	42
				<b>Leach Line 0.5 GPH</b>				
10	0.44	24"	0.0024	0.0018	0.0015	0.0012	0.0010	
	0.44	30"	0.0020	0.0015	0.0012	0.0010	0.0008	
	0.44	36"	0.0016	0.0012	0.0010	0.0008	0.0007	
	0.44	42"	0.0014	0.0010	0.0008	0.0007	0.0006	
	0.44	48"	0.0012	0.0009	0.0007	0.0006	0.0005	
15	0.53	24"	0.0029	0.0022	0.0018	0.0015	0.0013	
	0.53	30"	0.0024	0.0018	0.0014	0.0012	0.0010	
	0.53	36"	0.0020	0.0015	0.0012	0.0010	0.0008	
	0.53	42"	0.0017	0.0013	0.0010	0.0008	0.0007	
	0.53	48"	0.0015	0.0011	0.0009	0.0007	0.0006	
20	0.61	24"	0.0034	0.0025	0.0020	0.0017	0.0015	
	0.61	30"	0.0027	0.0020	0.0016	0.0014	0.0012	
	0.61	36"	0.0023	0.0017	0.0014	0.0011	0.0010	
	0.61	42"	0.0019	0.0015	0.0012	0.0010	0.0008	
	0.61	48"	0.0017	0.0013	0.0010	0.0008	0.0007	

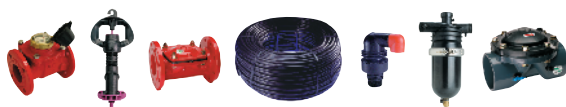
	Pressure (psi)	Flow (GPH)	Spacing Lateral	Spacing Between Drippers (inches)				
				18	24	30	36	42
				<b>Leach Line 1.0 GPH</b>				
10	0.88	24"	0.0049	0.0037	0.0029	0.0024	0.0021	
	0.88	30"	0.0039	0.0029	0.0023	0.0020	0.0017	
	0.88	36"	0.0033	0.0024	0.0020	0.0016	0.0014	
	0.88	42"	0.0028	0.0021	0.0017	0.0014	0.0012	
	0.88	48"	0.0024	0.0018	0.0015	0.0012	0.0010	
15	1.06	24"	0.0059	0.0044	0.0035	0.0029	0.0025	
	1.06	30"	0.0047	0.0035	0.0028	0.0024	0.0020	
	1.06	36"	0.0039	0.0029	0.0024	0.0020	0.0017	
	1.06	42"	0.0034	0.0025	0.0020	0.0017	0.0014	
	1.06	48"	0.0029	0.0022	0.0018	0.0015	0.0013	
20	1.22	24"	0.0068	0.0051	0.0041	0.0034	0.0029	
	1.22	30"	0.0054	0.0041	0.0033	0.0027	0.0023	
	1.22	36"	0.0045	0.0034	0.0027	0.0023	0.0019	
	1.22	42"	0.0039	0.0029	0.0023	0.0019	0.0017	
	1.22	48"	0.0034	0.0025	0.0020	0.0017	0.0015	

	Pressure (psi)	Flow (GPH)	Spacing Lateral	Spacing Between Drippers (inches)				
				18	24	30	36	42
				<b>Leach Line 2.0 GPH</b>				
10	1.72	24"	0.0096	0.0072	0.0057	0.0048	0.0041	
	1.72	30"	0.0076	0.0057	0.0046	0.0038	0.0033	
	1.72	36"	0.0064	0.0048	0.0038	0.0032	0.0027	
	1.72	42"	0.0055	0.0041	0.0033	0.0027	0.0023	
	1.72	48"	0.0048	0.0036	0.0029	0.0024	0.0020	
15	2.09	24"	0.0116	0.0087	0.0070	0.0058	0.0050	
	2.09	30"	0.0093	0.0070	0.0056	0.0046	0.0040	
	2.09	36"	0.0077	0.0058	0.0046	0.0039	0.0033	
	2.09	42"	0.0066	0.0050	0.0040	0.0033	0.0028	
	2.09	48"	0.0058	0.0044	0.0035	0.0029	0.0025	
20	2.40	24"	0.0133	0.0100	0.0080	0.0067	0.0057	
	2.40	30"	0.0107	0.0080	0.0064	0.0053	0.0046	
	2.40	36"	0.0089	0.0067	0.0053	0.0044	0.0038	
	2.40	42"	0.0076	0.0057	0.0046	0.0038	0.0033	
	2.40	48"	0.0067	0.0050	0.0040	0.0033	0.0029	

	Pressure (psi)	Flow (GPH)	Spacing Lateral	Spacing Between Drippers (inches)				
				18	24	30	36	42
				<b>Leach Line 4.0 GPH</b>				
10	3.32	24"	0.0184	0.0138	0.0111	0.0092	0.0079	
	3.32	30"	0.0148	0.0111	0.0089	0.0074	0.0063	
	3.32	36"	0.0123	0.0092	0.0074	0.0061	0.0053	
	3.32	42"	0.0105	0.0079	0.0063	0.0053	0.0045	
	3.32	48"	0.0092	0.0069	0.0055	0.0046	0.0040	
15	4.04	24"	0.0224	0.0168	0.0135	0.0112	0.0096	
	4.04	30"	0.0180	0.0135	0.0108	0.0090	0.0077	
	4.04	36"	0.0150	0.0112	0.0090	0.0075	0.0064	
	4.04	42"	0.0128	0.0096	0.0077	0.0064	0.0055	
	4.04	48"	0.0112	0.0084	0.0067	0.0056	0.0048	
20	4.63	24"	0.0257	0.0193	0.0154	0.0129	0.0110	
	4.63	30"	0.0206	0.0154	0.0123	0.0103	0.0088	
	4.63	36"	0.0171	0.0129	0.0103	0.0086	0.0073	
	4.63	42"	0.0147	0.0110	0.0088	0.0073	0.0063	
	4.63	48"	0.0129	0.0096	0.0077	0.0064	0.0055	

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