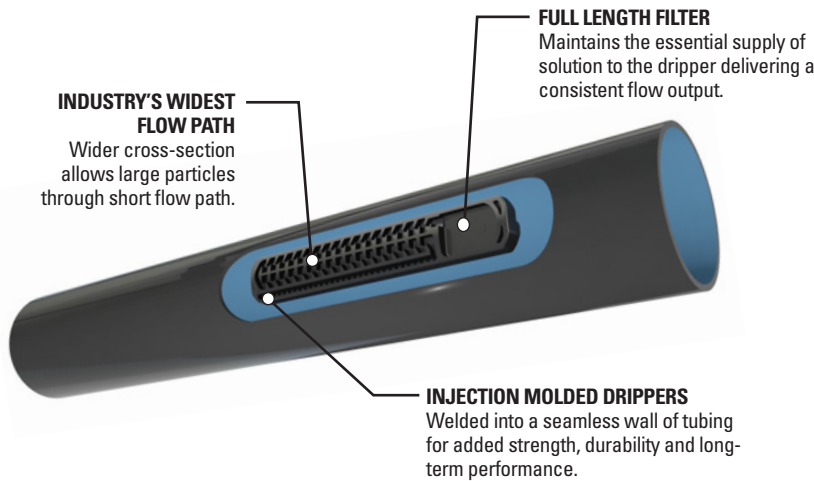


LEACH LINE™ A DRIPLINE

**NON-PRESSURE COMPENSATING
FOR HEAP LEACHING IN MINES**



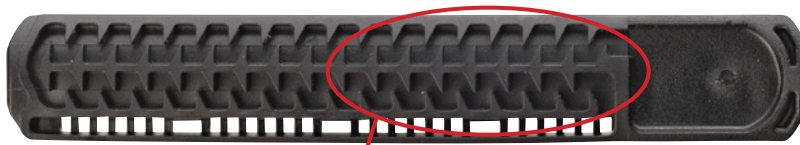
APPLICATIONS

- On-surface or subsurface installations
- Heap leach applications
- Flat terrain or slopes
- Reclamation projects

LEACH LINE A DRIPPER FEATURING TURBUNEXT™

INNOVATIVE LABYRINTH PASSAGE

Our patented labyrinth water passage maintains a unique geometric tooth-shaped structure that increases turbulence, enabling the creation of wider, deeper and shorter passages.



Wide Flow Path and Angled Teeth - maximizes water flow velocity while moving faster through the dripper to eliminate clogging.

SPECIFICATIONS

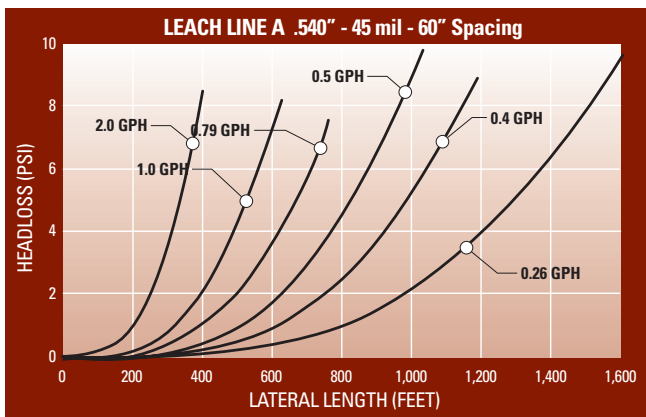
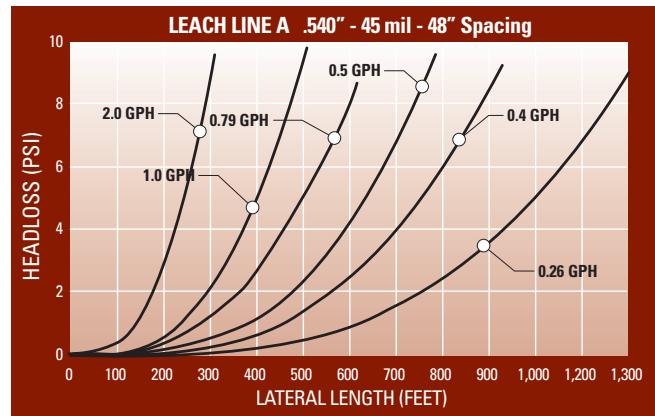
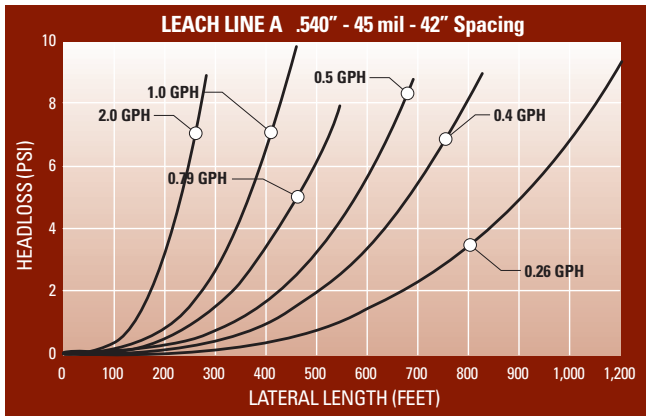
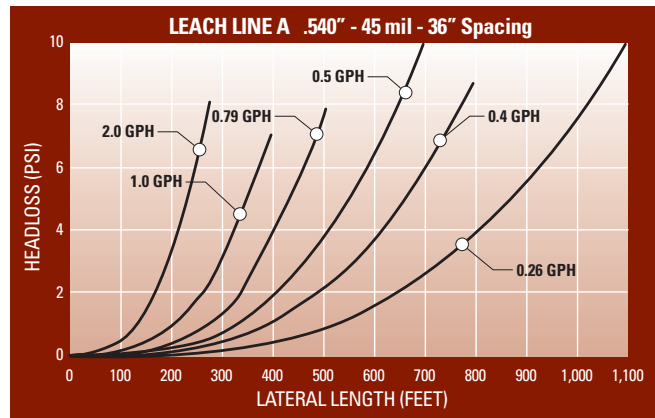
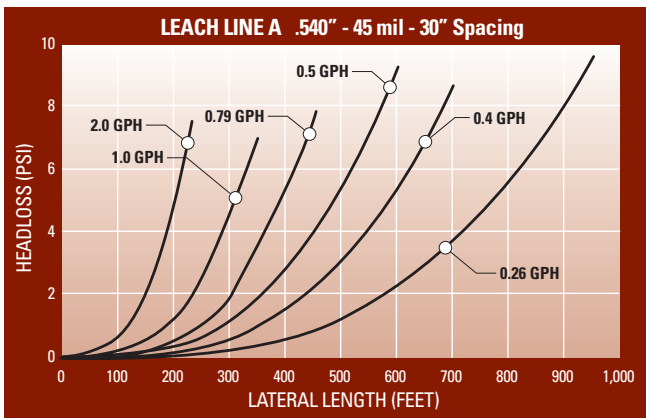
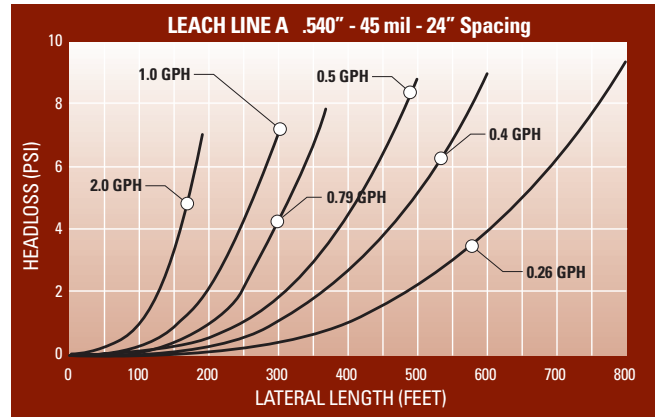
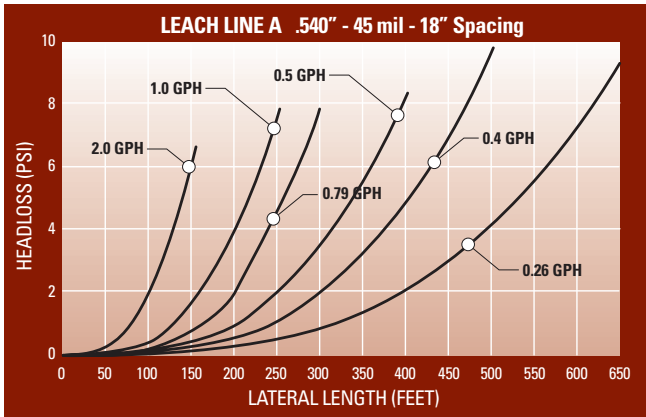
- pH range: 1.5 - 14
- Inside diameter and wall thicknesses:
 - (16mm) 35 mil, 40 mil & 45 mil
 - (18mm) 25 mil, 35 mil & 45 mil
 - (20mm) 45 mil & 48 mil
- Nominal flow rates (GPH): 0.26, 0.4, 0.5, 0.79, 1.0, 2.0
- Common spacings: 18", 24", 30", 36", 42", 48", 60" (additional spacings available)
- Maximum operating pressure: 45 psi
- Recommended filtration: 80 mesh

FEATURES & BENEFITS

- TurbuNext™ labyrinth assures wide water passages, large deep and wide cross section improves clog resistance.
- Large and wide dripper filtration area ensures optimal performance.
- Injection molded dripper construction provides uniform flow and very low Cv.
- Constructed of durable polyethylene which is UV and acid resistant.
- Broadest range of flow rates with six available flow rates.
- No special storage requirements - does not degrade if stored outdoors.

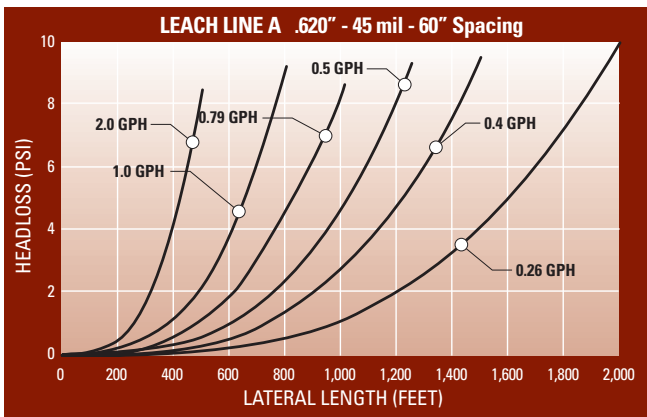
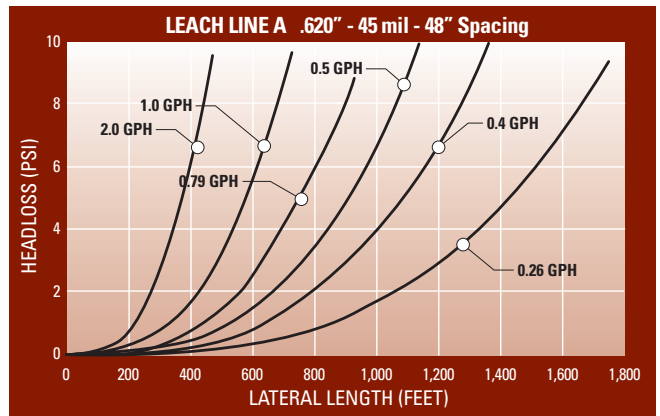
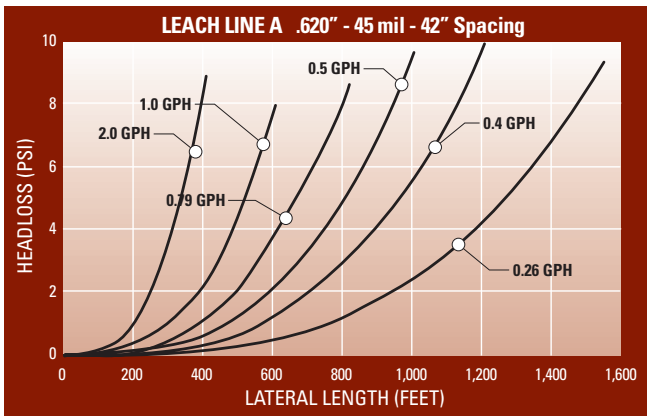
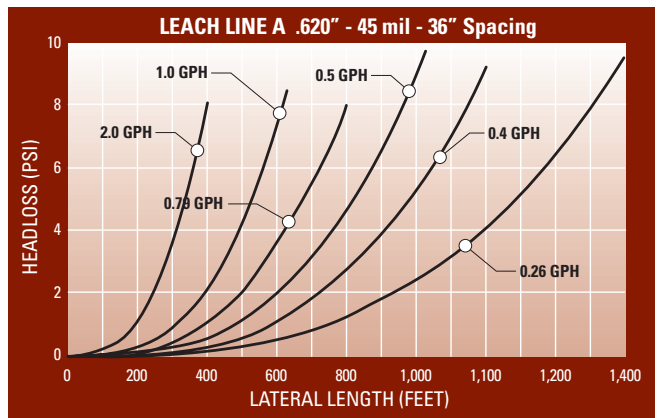
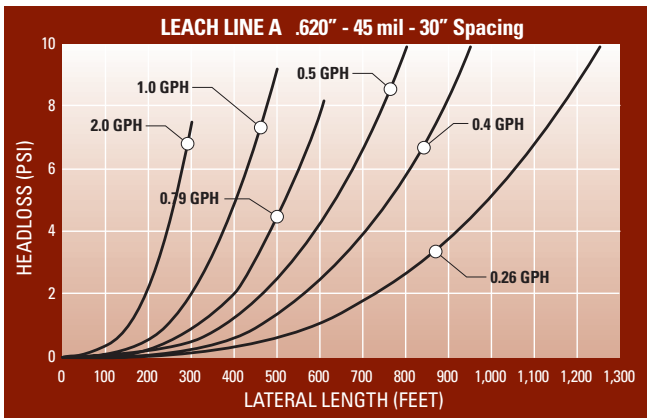
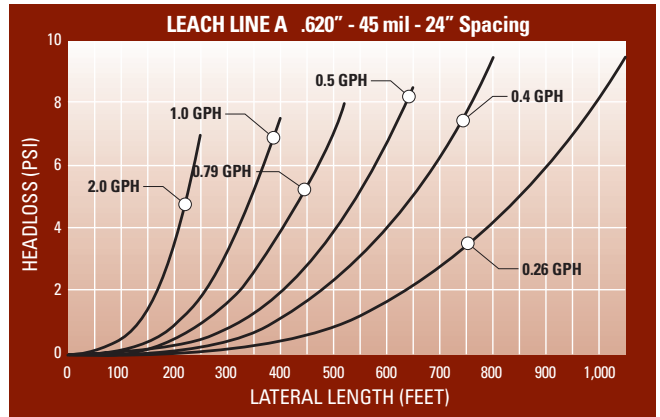
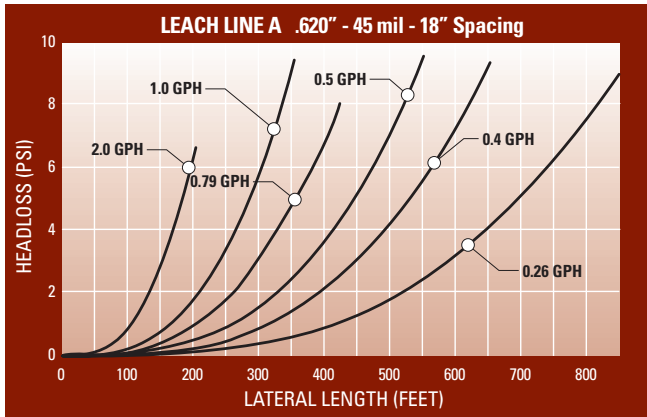
LEACH LINE™ A HEADLOSS AND LATERAL LENGTH

16mm 45 mil Dripline



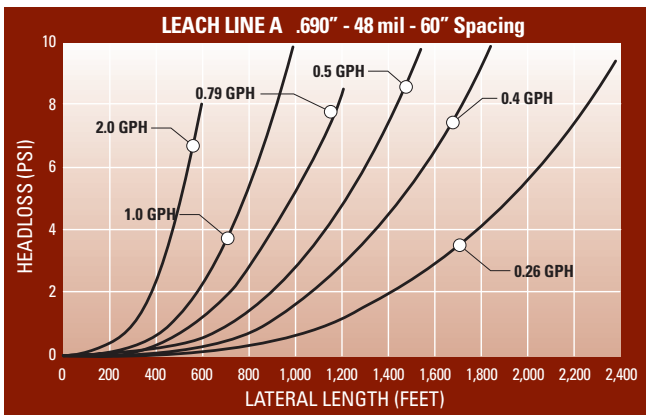
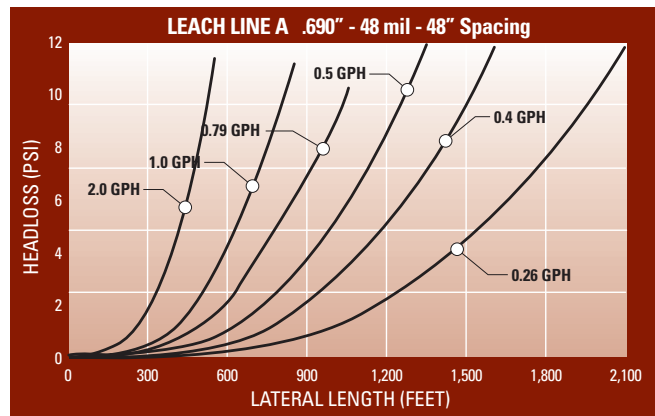
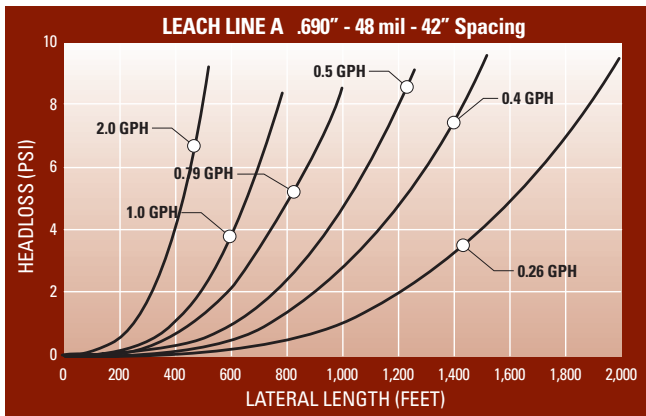
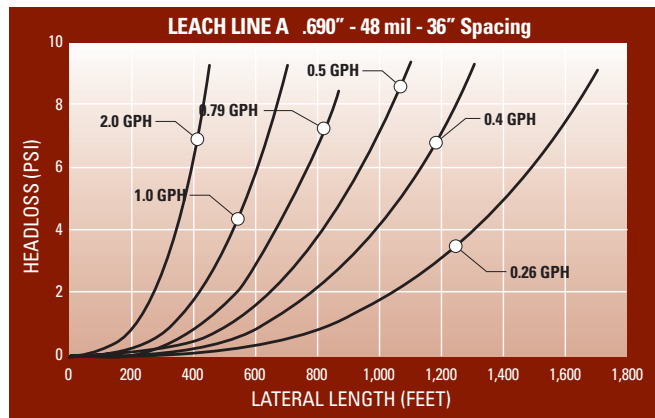
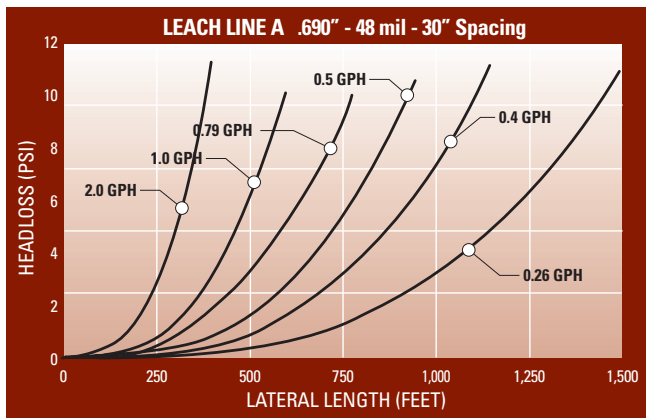
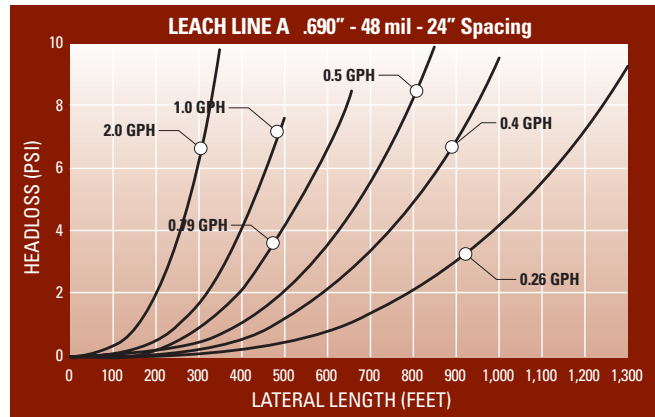
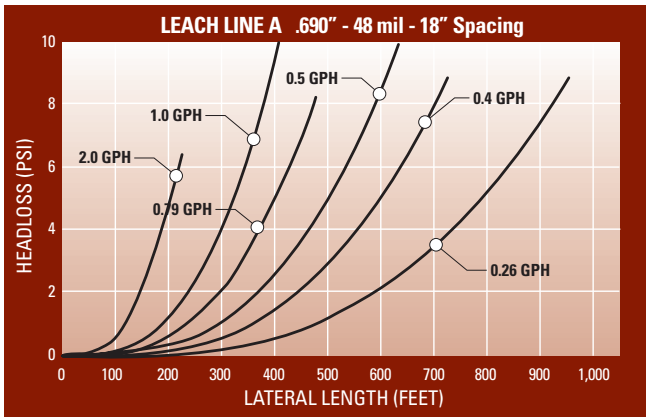
LEACH LINE™ A HEADLOSS AND LATERAL LENGTH

18mm 45 mil Dripline



LEACH LINE™ A HEADLOSS AND LATERAL LENGTH

20mm 48 mil Dripline



LEACH LINE™ A PRODUCT APPLICATION RATE

APPLICATION RATE IN GALLONS PER MINUTE PER SQUARE FOOT

	Pressure (psi)	Flow (GPH)	Emitter Spacing	SPACING BETWEEN DRIP LINES									
				18	24	30	36	42					
				LEACH LINE A 0.26 GPH					10		0.24	12"	0.0027
0.24	16"	0.0020	0.0015								0.0012	0.0010	0.0009
0.24	18"	0.0016	0.0012								0.0010	0.0008	0.0007
0.24	24"	0.0013	0.0010								0.0008	0.0007	0.0006
0.24	30"	0.0011	0.0009								0.0007	0.0006	0.0005
15		0.28	12"						0.0032	0.0024	0.0019	0.0016	0.0014
		0.28	16"						0.0024	0.0018	0.0015	0.0012	0.0010
		0.28	18"						0.0019	0.0015	0.0012	0.0010	0.0008
		0.28	24"						0.0016	0.0012	0.0010	0.0008	0.0007
		0.28	30"						0.0014	0.0010	0.0008	0.0007	0.0006
20		0.32	12"						0.0037	0.0028	0.0022	0.0018	0.0016
		0.32	16"						0.0028	0.0021	0.0017	0.0014	0.0012
		0.32	18"						0.0022	0.0017	0.0013	0.0011	0.0009
		0.32	24"						0.0018	0.0014	0.0011	0.0009	0.0008
		0.32	30"						0.0016	0.0012	0.0009	0.0008	0.0007

	Pressure (psi)	Flow (GPH)	Emitter Spacing	SPACING BETWEEN DRIP LINES									
				18	24	30	36	42					
				LEACH LINE A 0.4 GPH					10		0.36	12"	0.0040
0.36	16"	0.0030	0.0022								0.0018	0.0015	0.0013
0.36	18"	0.0027	0.0020								0.0016	0.0013	0.0011
0.36	24"	0.0020	0.0015								0.0012	0.0010	0.0009
0.36	30"	0.0016	0.0012								0.0010	0.0008	0.0007
15		0.43	12"						0.0048	0.0036	0.0029	0.0024	0.0021
		0.43	16"						0.0036	0.0027	0.0022	0.0018	0.0015
		0.43	18"						0.0032	0.0024	0.0019	0.0016	0.0014
		0.43	24"						0.0024	0.0018	0.0014	0.0012	0.0010
		0.43	30"						0.0019	0.0014	0.0012	0.0010	0.0008
20		0.50	12"						0.0055	0.0041	0.0033	0.0028	0.0024
		0.50	16"						0.0041	0.0031	0.0025	0.0021	0.0018
		0.50	18"						0.0037	0.0028	0.0022	0.0018	0.0016
		0.50	24"						0.0028	0.0021	0.0017	0.0014	0.0012
		0.50	30"						0.0022	0.0017	0.0013	0.0011	0.0009

	Pressure (psi)	Flow (GPH)	Emitter Spacing	SPACING BETWEEN DRIP LINES									
				18	24	30	36	42					
				LEACH LINE A 0.5 GPH					10		0.47	12"	0.0052
0.47	16"	0.0039	0.0030								0.0024	0.0020	0.0017
0.47	18"	0.0035	0.0026								0.0021	0.0017	0.0015
0.47	24"	0.0026	0.0020								0.0016	0.0013	0.0011
0.47	30"	0.0021	0.0016								0.0013	0.0010	0.0009
15		0.57	12"						0.0063	0.0047	0.0038	0.0032	0.0027
		0.57	16"						0.0047	0.0036	0.0028	0.0024	0.0020
		0.57	18"						0.0042	0.0032	0.0025	0.0021	0.0018
		0.57	24"						0.0032	0.0024	0.0019	0.0016	0.0014
		0.57	30"						0.0025	0.0019	0.0015	0.0013	0.0011
20		0.65	12"						0.0072	0.0054	0.0043	0.0036	0.0031
		0.65	16"						0.0054	0.0041	0.0032	0.0027	0.0023
		0.65	18"						0.0048	0.0036	0.0029	0.0024	0.0021
		0.65	24"						0.0036	0.0027	0.0022	0.0018	0.0015
		0.65	30"						0.0029	0.0022	0.0017	0.0014	0.0012

	Pressure (psi)	Flow (GPH)	Emitter Spacing	SPACING BETWEEN DRIP LINES									
				18	24	30	36	42					
				LEACH LINE A 1.0 GPH					10		0.94	12"	0.0105
0.94	16"	0.0079	0.0059								0.0047	0.0039	0.0034
0.94	18"	0.0070	0.0052								0.0042	0.0035	0.0030
0.94	24"	0.0052	0.0039								0.0031	0.0026	0.0022
0.94	30"	0.0042	0.0031								0.0025	0.0021	0.0018
15		1.14	12"						0.0126	0.0095	0.0076	0.0063	0.0054
		1.14	16"						0.0095	0.0071	0.0057	0.0047	0.0041
		1.14	18"						0.0084	0.0063	0.0051	0.0042	0.0036
		1.14	24"						0.0063	0.0047	0.0038	0.0032	0.0027
		1.14	30"						0.0051	0.0038	0.0030	0.0025	0.0022
20		1.30	12"						0.0144	0.0108	0.0087	0.0072	0.0062
		1.30	16"						0.0108	0.0081	0.0065	0.0054	0.0046
		1.30	18"						0.0096	0.0072	0.0058	0.0048	0.0041
		1.30	24"						0.0072	0.0054	0.0043	0.0036	0.0031
		1.30	30"						0.0058	0.0043	0.0035	0.0029	0.0025

	Pressure (psi)	Flow (GPH)	Emitter Spacing	SPACING BETWEEN DRIP LINES									
				18	24	30	36	42					
				LEACH LINE A 2.0 GPH					10		1.89	18"	0.0140
1.89	24"	0.0105	0.0079								0.0063	0.0052	0.0045
1.89	30"	0.0084	0.0063								0.0050	0.0042	0.0036
1.89	36"	0.0070	0.0052								0.0042	0.0035	0.0030
1.89	42"	0.0060	0.0045								0.0036	0.0030	0.0026
15		2.28	18"						0.0169	0.0126	0.0101	0.0084	0.0072
		2.28	24"						0.0126	0.0095	0.0076	0.0063	0.0054
		2.28	30"						0.0101	0.0076	0.0061	0.0051	0.0043
		2.28	36"						0.0084	0.0063	0.0051	0.0042	0.0036
		2.28	42"						0.0072	0.0054	0.0043	0.0036	0.0031
20		2.60	18"						0.0192	0.0144	0.0115	0.0096	0.0082
		2.60	24"						0.0144	0.0108	0.0087	0.0072	0.0062
		2.60	30"						0.0115	0.0087	0.0069	0.0058	0.0049
		2.60	36"						0.0096	0.0072	0.0058	0.0048	0.0041
		2.60	42"						0.0082	0.0062	0.0049	0.0041	0.0035

FORMULA

Application Rate (GPM/ft²) =

$$\frac{Q \text{ (Emitter GPH)} \times 2.4}{\text{Distance Between Emitters (inches)} \times \text{Distance Between Lines (inches)}}$$

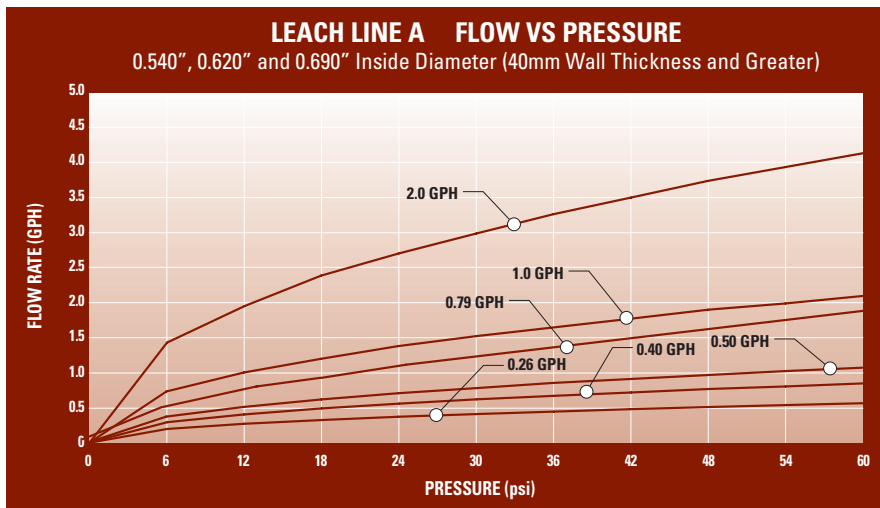
EXAMPLE

Leach Line A 2 GPH emitters, 20 psi, 30" between lines, and 36" between emitters. Example is highlighted in chart to the left.

$$\text{Application Rate} = \frac{2.6 \times 2.4}{30 \times 36} = 0.00578 \text{ GPM/ft}^2$$

CONTACT NETAFIM CUSTOMER SERVICE FOR:
LEACH LINE A 0.79 GPH DRIPPER APPLICATION RATE INFORMATION

LEACH LINE™ A TECHNICAL DATA



DRIPPER DATA / Less Than 45 mil Wall Thickness

DRIPPER GPH	EXPONENT (X)	CONSTANT (K)	RECOMMENDED FILTER
0.26	0.46	0.77	80
0.4	0.46	.116	80
0.5	0.46	.154	80
0.79	0.46	.232	80
1.0	0.46	.329	80
2.0	0.46	.618	80

DRIPPER DATA / 45 mil Wall Thickness and Greater

DRIPPER GPH	EXPONENT (X)	CONSTANT (K)	RECOMMENDED FILTER
0.26	0.46	0.81	80
0.4	0.46	.124	80
0.5	0.46	.162	80
0.79	0.46	.243	80
1.0	0.46	.324	80
2.0	0.46	.649	80

PACKAGING INFORMATION

I.D.	WALL THICKNESS	REEL LENGTH	WEIGHT
0.540"	35 mil	1,000 ft	35 lbs
0.540"	45 mil	1,000 ft	30 lbs
0.610"	25 mil	2,500 ft	50 lbs
0.620"	35 mil	1,000 ft	30 lbs
0.620"	45 mil	1,000 ft	39 lbs
0.690"	45 mil	1,000 ft	44 lbs
0.690"	48 mil	1,000 ft	47 lbs

20 coils per pallet.

DRIPPER DATA / Kd

DIAMETER	Kd
16mm	0.40
18mm	0.20
20mm	0.10



ANTI-MIGRATION DRIP LINE CLIP PRE-INSTALLED LEACH LINE RING

- Prevents solution migration on uneven surfaces and slopes
- Economical - saves labor costs
- Available for 0.540", 0.620" and 0.690" I.D.
- Pre-installed at Netafim USA

LEACH LINE A WITH FACTORY-INSTALLED CLIPS



NETAFIM OFFERS THE INDUSTRY'S LONGEST WARRANTY

- **7 YEARS** - Defects in materials and workmanship
- **10 YEARS** - Environmental stress cracking (surface and subsurface applications)

LEACH LINE™ A FITTINGS & ACCESSORIES

16MM DRIPLINE FITTINGS

MODEL NUMBER	DESCRIPTION
M16MMIC-PBT	16mm Insert Coupling
M3410.0160-B	16mm Twist-Lock Coupling
MTH5TH50	16mm Barb x 1/2" TH Male Adapter
M3414.016C-B	16mm Twist-Lock x 1/2" TH Male Adapter
MTH5TH75	16mm Barb x 3/4" TH Male Adapter
M1645.50-B	16mm Ring-Lock x 3/4" TH Male Adapter
M50-100GROM	1/2" TH Grommet x 1" Adapter
H620FIG8-B	16mm Figure 8 Line End



INSERT COUPLING



TWIST-LOCK COUPLING

18MM DRIPLINE FITTINGS

MODEL NUMBER	DESCRIPTION
H620IC-B	18mm Insert Coupling
M3410.0180-B	18mm Twist-Lock Coupling
MTH6TH50	18mm Barb x 1/2" TH Male Adapter
M3414.018C-B	18mm Twist-Lock x 1/2" TH Male Adapter
MTH6TH75	18mm Barb x 3/4" TH Male Adapter
M3414.018D-B	18mm Twist-Lock x 3/4" TH Male Adapter
M50-100GROM	1/2" TH Grommet x 1" Adapter
H620FIG8-B	18mm Figure 8 Line End



BARB ADAPTER



TWIST-LOCK ADAPTER

20MM DRIPLINE FITTINGS

MODEL NUMBER	DESCRIPTION
H690IC-B	20mm Insert Coupling
M3410.0200	20mm Twist-Lock Coupling
MTH7TH50	20mm Barb x 1/2" TH Male Adapter
M3414.020C-B	20mm Twist-Lock x 1/2" TH Male Adapter
MTH7TH75	20mm Barb x 3/4" TH Male Adapter
M3414.020D-B	20mm Twist-Lock x 3/4" TH Male Adapter
M50-100GROM	1/2" MPT Grommet x 1" Adapter
H800FIG8-B	20mm Figure 8 Line End



FIGURE 8



GROMMET

PRESSURE REGULATORS

MODEL NUMBER	DESCRIPTION
32IPRV.75-15V2K	Inline Pressure Regulator 3/4" FPT Inlet x 3/4" FPT Outlet 15 psi
32IPRV.75-20V2K	Inline Pressure Regulator 3/4" FPT Inlet x 3/4" FPT Outlet 20 psi
32IPRV.75-25V2K	Inline Pressure Regulator 3/4" FPT Inlet x 3/4" FPT Outlet 25 psi
32IPRV.75-35V2K	Inline Pressure Regulator 3/4" FPT Inlet x 3/4" FPT Outlet 35 psi



PRESSURE REGULATOR
Chemical Resistant
0.25 - 4.4 GPM



NETAFIM USA
5470 E. Home Ave.
Fresno, CA 93727
CS 888 638 2346
www.netafimusa.com