

# MINE LINE™ DRIPLINE

## PRESSURE COMPENSATING FOR HEAP LEACHING IN MINES

### PRESSURE COMPENSATING FOR FLEXIBILITY OF UNIFORM LEACHING EVEN ON SLOPING TERRAIN

#### FEATURES & BENEFITS

- Pressure compensation over a wide pressure range (up to 60 psi) produces uniform dripper flow rates from each dripper outlet.
- Longer runs and steep topographies are irrigated with high uniformity.
- Seamless, one-piece construction prevents damage to drippers during installation and retrieval.
- Design flexibility and performance with various dripper flows and spacings allow for specific application rates.
- Lowest co-efficiency of variability (Cv) in the industry: <0.03.
- Anti-migration technology prevents water runoff along pipe.



#### APPLICATIONS

- Subsurface or surface applications
- Slopes
- When high uniformity and longer runs are required
- Long term, re-use

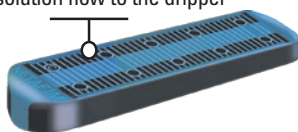
#### SPECIFICATIONS

- Nominal Flow Rates (GPH): 0.26, 0.42, 0.53, 0.61, 0.92, 1.0
- Common Spacings: 18", 24", 30", 32", 36" and 42"
- Recommended Filtration: 120 mesh
- Maximum Recommended System Operating Pressure: 60 psi
- Inside Diameter: 0.540" - 16mm (45 mil)  
0.620" - 18mm (45 mil)  
0.690" - 20mm (48 mil)

#### EXPLODED VIEW OF MINELINE DRIPPER

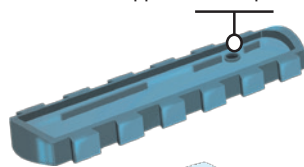
##### BOTTOM VIEW

Large filter inlet area reduces clogging and maintains essential solution flow to the dripper

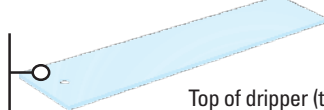


##### TOP VIEW

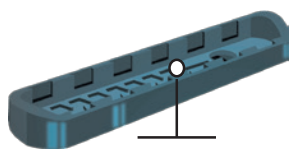
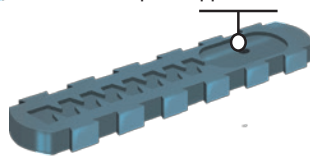
Dripper outlet (top of dripper)



Chemical resistant molded silicon diaphragm continuously adjusts to pressure changes and purges debris anytime it is present



Top of dripper (turned over)



TURBONET™ wide flow path

##### TURBONET™ TECHNOLOGY

Other turbulent flow drippers have overlapping tooth patterns and laminar flow passages that easily catch debris. TurboNet technology improves dripper performance by widening the tooth pattern, maximizing flow path velocity, allowing contaminants to easily pass through the dripper, while keeping the flow path very short, virtually eliminating plugging.

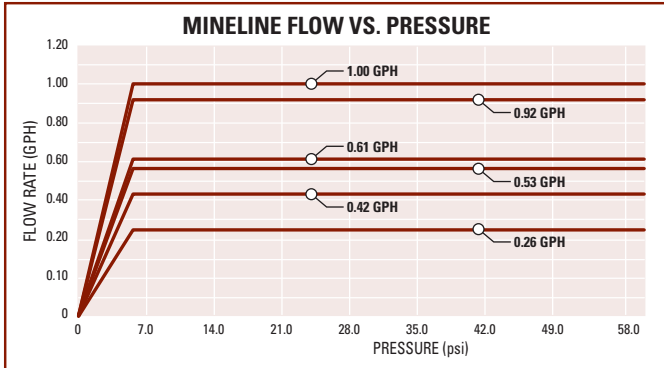
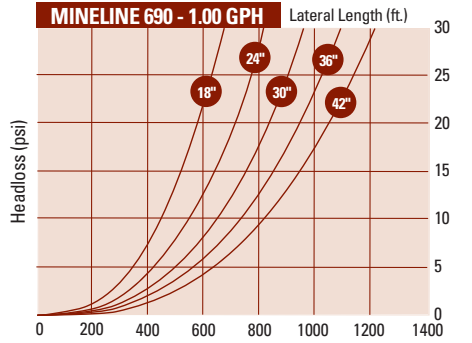
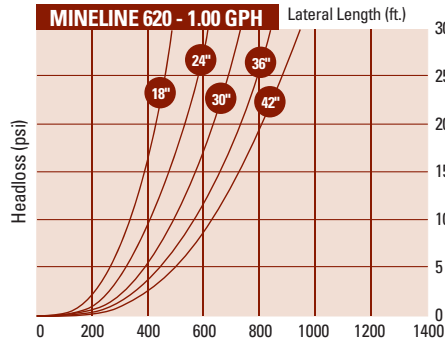
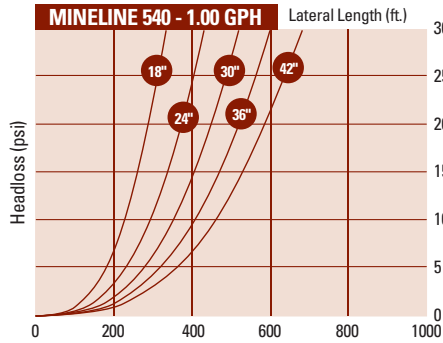
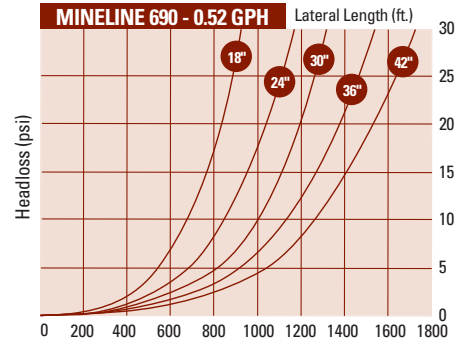
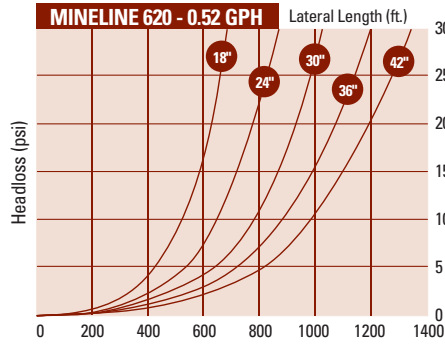
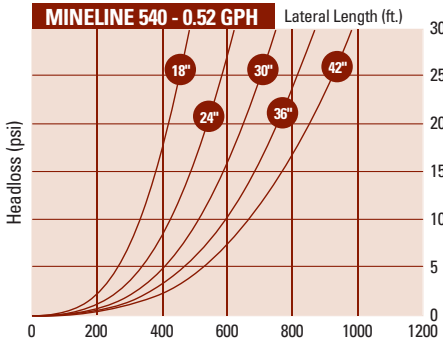
#### MINELINE'S ADVANCED PRESSURE COMPENSATING OPERATION

MineLine's self-cleaning pressure compensating dripper is a fully self-contained unit welded to the interior wall of the tubing and manufactured from high quality synthetic elastomers to withstand chemicals and fertilizers.

The MineLine dripper contains a diaphragm that continuously adjusts to varying water pressure to ensure a constant flow rate. It also allows particles to pass through promoting reliable performance for a longer system life. The continuous flushing feature and wide flow path keep drippers flowing at optimal rates without clogging or interrupting operation.



# MINE LINE™ DRIPLINE



## DRIPPER FLOW PATH DIMENSIONS

DRIPPER (GPH)	LENGTH	DEPTH	WIDTH
0.26	1.574"	0.029"	0.033"
0.42	1.574"	0.028"	0.050"
0.53	1.574"	0.028"	0.050"
0.61	1.574"	0.039"	0.050"
0.92	1.574"	0.045"	0.063"
1.0	1.574"	0.045"	0.063"

## APPLICATION RATES (GPM PER SQUARE FOOT)

PRESSURE (psi)	FLOW (GPH)	SPACING BETWEEN LATERALS	DRIPPER SPACING				
			18"	24"	30"	36"	42"
10-60	0.52	24"	0.0029	0.0022	0.0018	0.0015	0.0013
10-60	0.52	30"	0.0024	0.0018	0.0014	0.0012	0.0010
10-60	0.52	36"	0.0020	0.0015	0.0012	0.0010	0.0008
10-60	0.52	42"	0.0017	0.0013	0.0010	0.0008	0.0007
10-60	0.52	48"	0.0015	0.0011	0.0009	0.0007	0.0006
10-60	1.00	24"	0.0056	0.0042	0.0033	0.0028	0.0024
10-60	1.00	30"	0.0044	0.0033	0.0027	0.0022	0.0019
10-60	1.00	36"	0.0037	0.0028	0.0022	0.0019	0.0016
10-60	1.00	42"	0.0032	0.0024	0.0019	0.0016	0.0014
10-60	1.00	48"	0.0028	0.0021	0.0017	0.0014	0.0012

## PACKAGING DATA

INSIDE DIAMETER	MIL	REEL LENGTH	WEIGHT
0.540"	45	1,000'	35 LBS.
0.620"	45	1,000'	40 LBS.
0.690"	48	1,000'	49 LBS.

20 coils per pallet



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