

HIGHLY ACCURATE PRESSURE COMPENSATION.

LEACHMAX^{PC} DRIP LINE

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Pressure Compensating Drip Lines (Thin and Heavy Wall) for Heap Leach Mining

Drip Line	LEACHMAX ^{PC} (Heavy Wall)
Features	Pressure Compensating
Diameters	Medium - 5/8", Heavy - 18 mm
Wall Thickness	25-45 mil
Flow Rates	Thin - 0.17, 0.26, 0.92 gph, Heavy - 0.40, 0.53, 0.92 gph
Spacings	8-48 inch
Operating Pressure Range	7 to 51 PSI (according to wall thickness)
Recommended Filtration	≤0.26 gph - 150 mesh, >0.27 gph - 120 mesh



Rivulis Eurodrip LEACHMAX^{PC} Drip Line represents the most significant advancement in PC drip technology in the past decade. After many years of research, the LEACHMAX^{PC} Drip Line was launched and set a new standard in pressure compensating drip line technology.

On multiple levels, the LEACHMAX^{PC} Drip Line has been engineered to outperform all pressure compensating drip lines on the market. Starting from the manufacturing process, where state-of-the-art quality controls are used to continually output high quality product, to the uniquely designed dripper that provides maximum resistance to clogging. All designed to provide heap leach mining operations with the best tool available to maximize results.

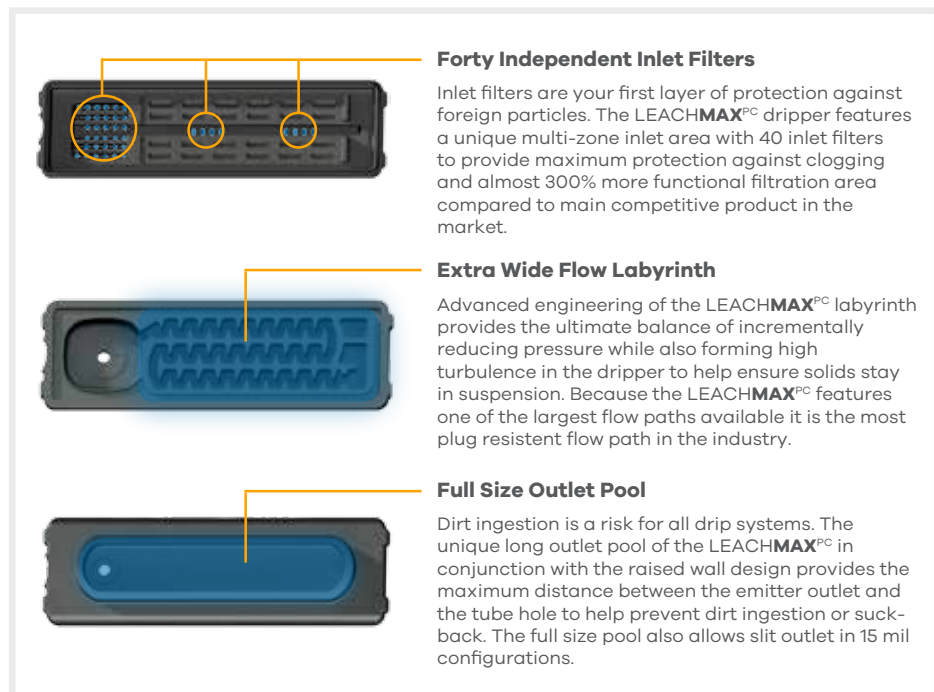
APPLICATIONS

- Heap leach mining applications
- Ideal for undulating or sloping terrains
- Reclamation projects

FEATURES AND BENEFITS

- Pressure compensating - for precise and uniform flow rates along the entire length of the lateral and through undulating or sloping terrains. Allows for longer run lengths (up to 50% longer when compared to non-PC drip lines).
- Wide range of pressure regulation (7 to 51 psi) - maintains a uniform flow rate regardless of the water pressure to optimize the wetting pattern and maximize crop yields.
- Wide range of flow rates, diameters and spacings - to match the soil infiltration rate, optimize the wetting pattern and deliver a uniform amount of lixiviation solution to the ore to maximize yields.
- Continuously self-flushing mechanism - reduces clogging

LEACHMAX^{PC} Drip Line Design



Forty Independent Inlet Filters

Inlet filters are your first layer of protection against foreign particles. The LEACHMAX^{PC} dripper features a unique multi-zone inlet area with 40 inlet filters to provide maximum protection against clogging and almost 300% more functional filtration area compared to main competitive product in the market.

Extra Wide Flow Labyrinth

Advanced engineering of the LEACHMAX^{PC} labyrinth provides the ultimate balance of incrementally reducing pressure while also forming high turbulence in the dripper to help ensure solids stay in suspension. Because the LEACHMAX^{PC} features one of the largest flow paths available it is the most plug resistant flow path in the industry.

Full Size Outlet Pool

Dirt ingestion is a risk for all drip systems. The unique long outlet pool of the LEACHMAX^{PC} in conjunction with the raised wall design provides the maximum distance between the emitter outlet and the tube hole to help prevent dirt ingestion or suck-back. The full size pool also allows slit outlet in 15 mil configurations.

SPECIFICATIONS: LEACHMAX^{PC} DRIP LINE

Size (Diameter)	Wall Thickness	Dripper	Internal Diameter	Minimum Pressure	Maximum Pressure	Recommended Filtration		Roll Length
						(inch or mm)	(mil)	
Medium Wall								
5/8	25	0.17	0.602	7.1	36	150	100	2,625
5/8	25	0.26	0.602	7.1	36	150	100	2,625
5/8	25	0.92	0.602	7.1	36	120	130	2,625
Heavy Wall								
18	45	0.40	0.543	7.1	51	120	130	1,150
18	45	0.53	0.543	7.1	51	120	130	1,150
18	45	0.92	0.543	7.1	51	120	130	1,150

DESIGN CALCULATION DATA: LEACHMAX^{PC} DRIP LINE

Drip Line	Size (Diameter)	Wall Thickness	Dripper	Flow Constant	Exponent	kd
Medium Wall						
LEACHMAX ^{PC}	5/8	25	0.17	0.17	0	0.52
LEACHMAX ^{PC}	5/8	25	0.26	0.26	0	0.52
LEACHMAX ^{PC}	5/8	25	0.92			
Heavy Wall						
LEACHMAX ^{PC}	18	45	0.40	0.40	0	0.52
LEACHMAX ^{PC}	18	45	0.53	0.53	0	0.52
LEACHMAX ^{PC}	18	45	0.92	0.53	0	0.52

APPLICATION RATE DATA: LEACHMAX^{PC} DRIP LINE - 0.26 GPH (GPM PER SQUARE FOOT)

Pressure	Flow Rate	Dripper Spacing	Spacing Between Laterals (inch)			
			18	24	30	36
(psi)	(gph)	(inch)	(gpm per square foot)			
All*	0.26	24	0.0014	0.0011	0.0009	0.0007
All*	0.26	30	0.0012	0.0009	0.0007	0.0006
All*	0.26	36	0.0010	0.0007	0.0006	0.0005
All*	0.26	42	0.0008	0.0006	0.0005	0.0004
All*	0.26	48	0.0007	0.0005	0.0004	0.0004

APPLICATION RATE DATA: LEACHMAX^{PC} DRIP LINE - 0.40 GPH (GPM PER SQUARE FOOT)

Pressure	Flow Rate	Dripper Spacing	Spacing Between Laterals (inch)			
			18	24	30	36
(psi)	(gph)	(inch)	(gpm per square foot)			
All*	0.40	24	0.0022	0.0017	0.0013	0.0011
All*	0.40	30	0.0018	0.0013	0.0011	0.0009
All*	0.40	36	0.0015	0.0011	0.0009	0.0007
All*	0.40	42	0.0013	0.0010	0.0008	0.0006
All*	0.40	48	0.0011	0.0008	0.0007	0.0006

*Within working pressure range (by drip line wall thickness)

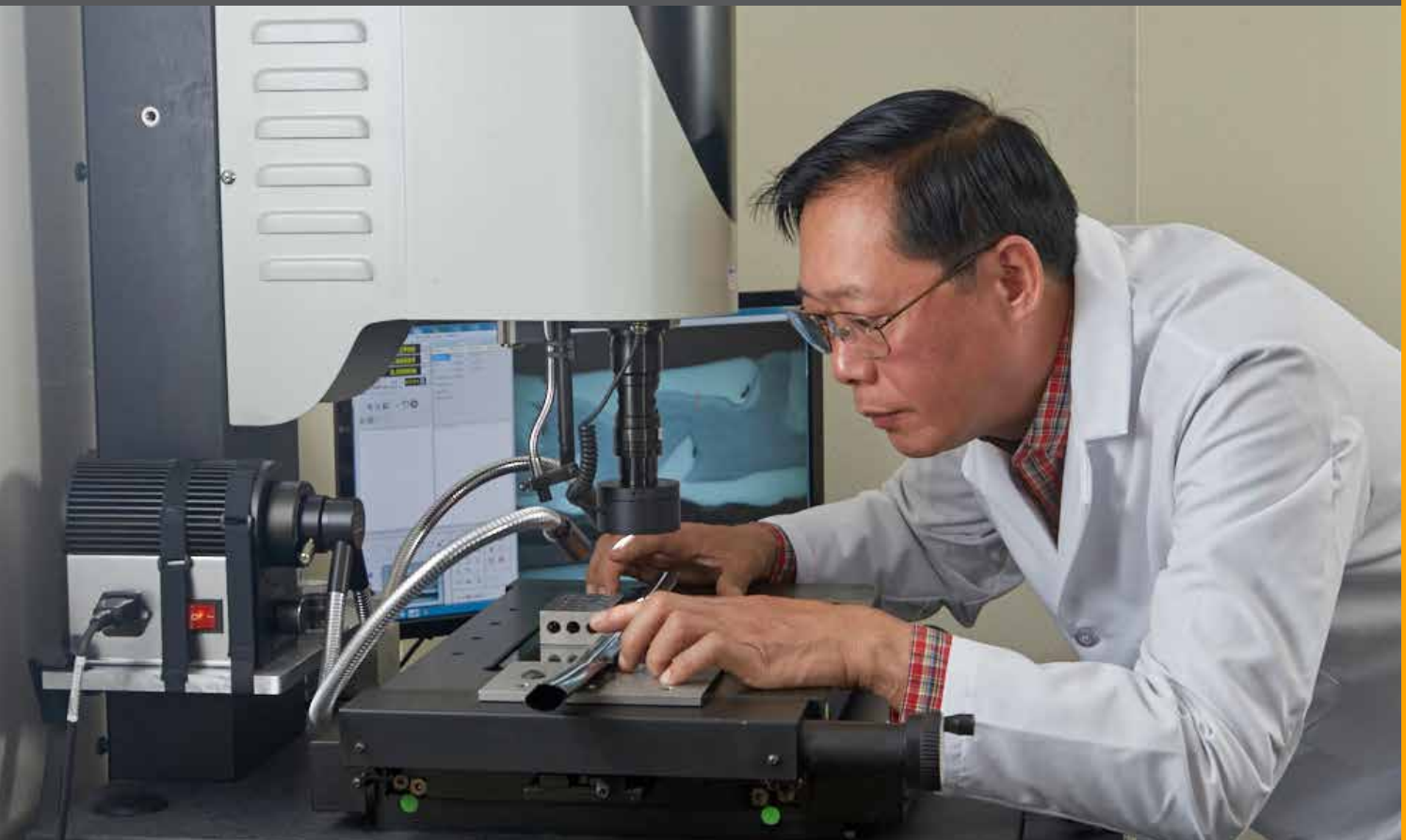
APPLICATION RATE DATA: LEACHMAX^{PC} DRIP LINE - 0.53 GPH (GPM PER SQUARE FOOT)

Pressure	Flow Rate	Dripper Spacing	Spacing Between Laterals (inch)			
			18	24	30	36
(psi)	(gph)	(inch)	(gpm per square foot)			
All*	0.53	24	0.0029	0.0022	0.0018	0.0015
All*	0.53	30	0.0024	0.0018	0.0014	0.0012
All*	0.53	36	0.0020	0.0015	0.0012	0.0010
All*	0.53	42	0.0017	0.0013	0.0010	0.0008
All*	0.53	48	0.0015	0.0011	0.0009	0.0007

APPLICATION RATE DATA: LEACHMAX^{PC} DRIP LINE - 0.92 GPH (GPM PER SQUARE FOOT)

Pressure	Flow Rate	Dripper Spacing	Spacing Between Laterals (inch)			
			18	24	30	36
(psi)	(gph)	(inch)	(gpm per square foot)			
All*	0.92	24	0.0051	0.0038	0.0031	0.0026
All*	0.92	30	0.0041	0.0031	0.0025	0.0020
All*	0.92	36	0.0034	0.0026	0.0020	0.0017
All*	0.92	42	0.0029	0.0022	0.0018	0.0015
All*	0.92	48	0.0026	0.0019	0.0015	0.0013

*Within working pressure range (by drip line wall thickness)



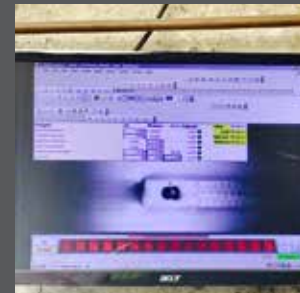
EVOLUTION: PRECISION MANUFACTURING & QUALITY



A photo of every inserted dripper is taken (up to 7 per second) to ensure correct alignment in the drip line during production.



Before dispatch, the LEACHMAX^{PC} must meet a number of stringent tests including flow test, tube analysis, weld strength and tensile strength tests.



Every dripper manufactured goes through a multi-stage automated testing process to ensure correct assembly.



W18_0037

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Rivulis Eurodrip

Rivulis
7545 Carroll Road
San Diego, CA 92121
Tel: (800)-685-5557
Fax: (858) 578-2344
www.rivulis.com

Eurodrip
1850 West Almond Avenue
Madera, CA 93637
Tel: (559) 673 9100
Fax: (559) 673 9200
www.eurodripusa.com