



LeachFlow™ PR

Pressure-Regulated Dripline for Copper Heap Leaching

LeachFlow™ PR is a pressure-Regulated dripline designed for uniform solution distribution in copper heap leaching operations.

Engineered for harsh mining environments, LeachFlow™ PR delivers stable discharge across long laterals and varying heap slopes, supporting efficient and consistent leaching performance across the pad.

Metzer's LeachFlow™ PR is the only PR leach line in the market suitable for sulfuric-acid heap leaching environments, commonly used in copper extraction. Its unique and innovative design provides copper mine operators with a cost-effective, resilient solution for demanding acidic leaching conditions.

Features & Benefits

- Designed for copper heap leaching applications
- Suitable for sulfuric-acid leaching environments
- Pressure-Regulated flow for uniform solution distribution
- Stable discharge across long laterals and sloped pads
- Short and wide self-cleaning labyrinth to reduce particle settling
- High clogging resistance for demanding mining conditions
- Cost-effective thin-wall structure for large-scale leach pads
- Fully recyclable with no need for silicon membrane separation
- 100% of drippers inspected by Metzer's online AI quality assurance system

Specifications

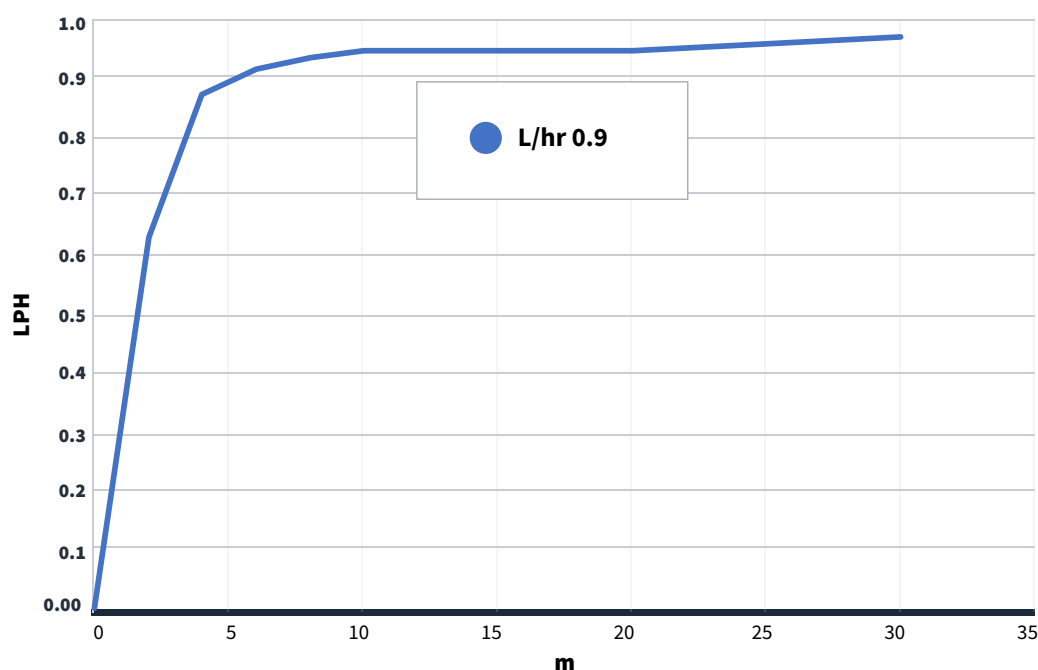
- **Dripline diameters:** 16mm, 17mm, 20mm, 22mm
- **Dripline wall thickness:** 0.30mm-0.6mm
- **Drippers spacing:** 10cm and up
- **Dripper's waterflow:** 0.9 L/hr
- **Compensation range:** 5-40m

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LeachFlow PR Technical Specifications

Flowrate L/hr	Working pressure range (m)	Primary labyrinth width x depth (mm)	Compensating labyrinth width x depth (mm)	Inlet filter slot width (μ)	Effective Filtration area (mm ²)	Recommended filtra- tion (micron/mesh)
0.9	6-25	0.52X0.42	0.4X0.4	350	43.7	130/120

Flow rate Vs. Pressure



Flow rate Vs. Pressure table

Nominal Flow rate (L/hr)	pressure (m)						
	2	4	6	8	10	20	30
0.9	0.6	0.83	0.87	0.89	0.9	0.9	0.92

Keep in touch!



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