

# GyroNet™ Turbo

For heap leaching, copper, gold and silver mines, it is the ultimate full-coverage midi-sprinkler. Expect highly uniform coverage with high precipitation rates and very gentle droplet size.



High durability



Long-lasting performance



Uniform distribution

## / Benefits & Features

- **High durability** Offers superior resistance to chemicals and acids, minimizing maintenance and repair costs. Components are crafted from materials designed to withstand high acid concentrations found in mines.
- **Long-lasting performance** Engineered with durability in mind, enabling repeated installations and extended use. Supports long-term performance and reliability.
- **Uniform distribution** Innovative water channel specially designed to ensure superb uniform water and other liquids distribution and coverage across the heap.
- **Easy maintenance** Designed for effortless installation and upkeep, promoting convenience for users. Ensure long-term reliability with minimal maintenance effort.
- **Optimal drop size** Balances water distribution over long distances with high uniformity. Designed to ensure efficient and precise solution delivery.

## / Specifications

- 5 different flow rates: 200, 250, 300, 400, 500 l/h.
- Nominal flow rate at: 2.2 bar.
- Recommended pressure range: 2.0 - 3.0 b bar.
- Gyronet™ Turbo can work with 1.5 bar minimum pressure and supply high uniformity of watering profile.
- Inlet connector: 1/2" male threaded.
- EverSpin™ bearing including sapphire for wear resistance.
- Recommended filtration\*: 130 micron / 120 mesh.

\*Note: Filtration method selected based on the kind and concentration of dirt particles contained in the solution. Wherever sand exceeding 2 ppm exists in the solution, a Hydrocyclone should be installed before the main filter. Where sand/silt/clay solids exceed 100 ppm, pre treatment it should be applied following Netafim™ expert instructions.

→ Technical data

Model	Nozzle color	Nozzle diameter (mm)	Max. working pressure (bar)	Constant K	Exponent X	Wetted diameter at 0.5 m height (m)	Swivel color
200	Black	1.89	3.0	42.5	0.5	8.5	Orange
250	Light Purple	2.14		54.5		10.0	
300	Black	2.31		64.1		10.5	
400	Black	2.67		86.8		11.0	
500	Black	3.00		108.5		11.5	

→ Flow rate (l/h) vs pressure (bar)

Model	Working pressure (bar)			
	1.5	2.0	2.5	3.0
200	165	190	213	233
250	211	244	273	299
300	248	287	321	351
400	336	388	434	475
500	420	485	543	594

→ Performance data

Model	Nozzle color code	Rotor color code	Working pressure (bar)	Height above soil (m)	Distance between emitters (m)	Distance between laterals (m)	Cu	Du	Sc (5%)	Precipitation (l/m <sup>2</sup> /h)
200	Black	Orange	1.5	0.5	3.0	3.0	95%	91%	1.2	15.6
					3.5	3.5	93%	87%	1.4	11.4
					4.0	4.0	87%	81%	1.3	8.8
			4.0		4.0	96%	95%	1.1	11.6	
			4.5		4.5	93%	89%	1.2	9.2	
			5.0		5.0	94%	91%	1.1	7.5	
250	Light Purple		1.5	0.5	3.5	3.0	96%	94%	1.1	17.1
					4.0	3.5	96%	94%	1.1	13.1
					4.5	4.0	90%	87%	1.2	10.4
			4.0		4.0	95%	92%	1.1	13.5	
			4.5		4.5	92%	87%	1.2	10.6	
			5.0		5.0	93%	90%	1.2	8.6	
300	Black	1.5	0.5	5.0	5.0	90%	86%	1.4	9.8	
				5.5	5.5	92%	87%	1.3	8.1	
				6.0	6.0	90%	87%	1.2	6.8	
		4.5		4.5	94%	93%	1.1	14.0		
		5.0		5.0	93%	89%	1.2	11.3		
		5.5		5.5	92%	88%	1.2	9.3		
400	Black	1.5	0.5	6.0	6.0	90%	84%	1.4	9.3	
				6.5	6.5	93%	90%	1.2	7.9	
				7.0	7.0	91%	85%	1.2	6.8	
		6.0		6.0	92%	87%	1.2	10.3		
		6.5		6.5	95%	93%	1.1	8.8		
		7.0		7.0	92%	88%	1.1	7.6		
500	Black	1.5	0.5	6.5	6.5	89%	84%	1.5	9.9	
				7.0	7.0	92%	86%	1.2	8.5	
				7.5	7.5	89%	85%	1.2	7.4	
		6.5		6.5	93%	92%	1.1	11.3		
		7.0		7.0	92%	91%	1.1	9.8		
		7.5		7.5	87%	82%	1.2	8.5		

→ Catalog numbers

Description	Catalog number
Gyr trb lr 1/2ic 200l/h head only for mine	64100-001900
Gyr trb lr 1/2ic 250l/h head only for mine	64100-003040
Gyr trb lr 1/2ic 300l/h head only for mine	64100-003900
Gyr trb lr 1/2ic 400l/h head only for mine	64100-005000
Gyr trb lr 1/2ic 500l/h head only for mine	64100-005980

→ The GyroNet™ Turbo structure

