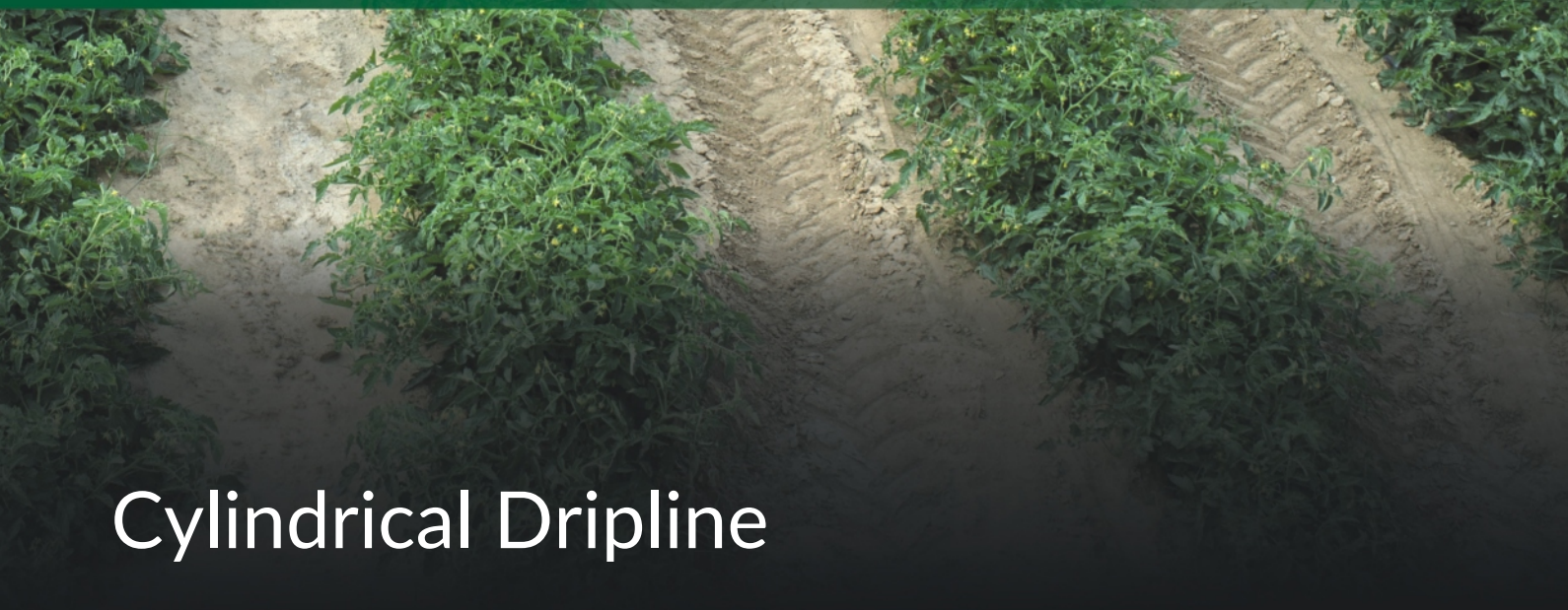




# Turbo Compact Line



Cylindrical Dripline

# Turbo Compact Line Specifications

Turbo Compact Line is produced with the highest quality raw material, in state-of-the-art production lines by integrating the most advanced emitter of the industry. Provides extreme tensile strength, since it is produced with high-quality resins. Offers excellent performance on the field due to the flawlessly designed, injected molded Turbo Compact emitter with very low CV. The unique design of Turbo Compact emitter, provides high clogging resistance and offers the highest emission uniformity. The combination of those elements translates to superior quality, evenly grown crops and increased overall yield which leads to higher income for every farmer worldwide.

## Cylindrical Turbulent Emitter

Compact and economical emitter for a wide range of both surface and subsurface applications. Suitable for permanent crops and multi seasonal usage, provides easy and trouble-free installations for unexperienced farmers.

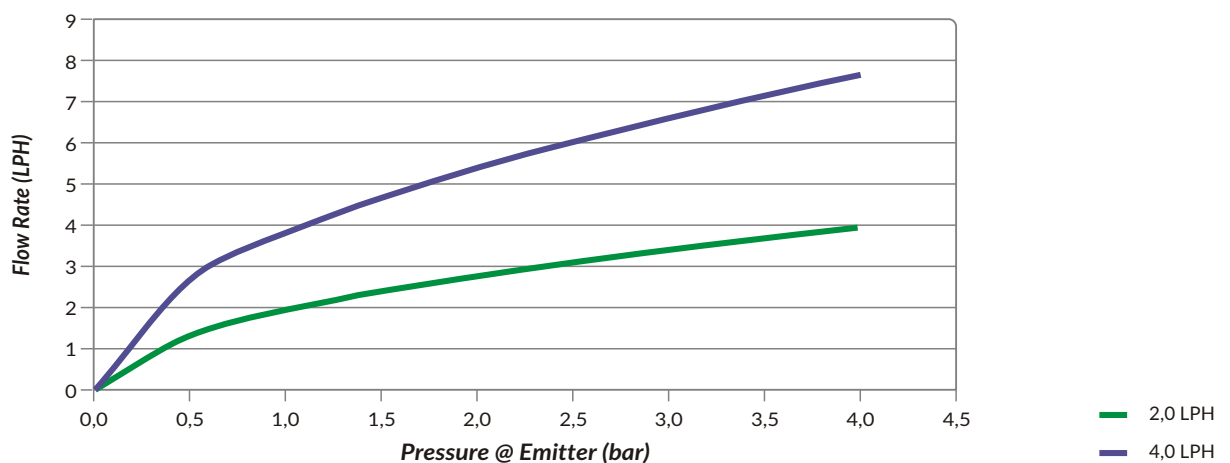
One of the most important elements in the design of an emitter is the flow path. Its width depth and length determine the flow rate of the emitter in liters per hour but most importantly determines their anticlogging ability. A high turbulent flow path design creates a vortex effect inside the emitter and therefore prevents clogging.



### Turbo Compact Emitter Specifications

Nominal Flow Rate (lph @ 1bar)	Constant (k)	Exponent (x)	Coefficient of Variation CV (%)	Water Passage Width x Depth x Length (mm)	Filtration Area (mm <sup>2</sup> )	Recommended Filtration (mesh/micron)
2,0	1,9	0,53	1,20	0,95 x 1,00 x 197	20,8	120/130
4,0	3,8	0,50	1,35	1,03 x 1,35 x 143	53,0	120/130

### Turbo Compact Emitter Flow Curves



# Turbo Compact Line

## Cylindrical Dripline

### Ideal Applications

- Row crops
  - Orchards
  - Landscaping
  - Vegetables
  - Gardening
- Suitable for both on surface and subsurface installations

### Turbo Compact Line Specifications

Nominal Diameter (mm)	Internal Diameter (mm)	Wall Thickness (mm)	Max. Operating Pressure (bar)	Coil Length (m)	Flow Rate (lph)	Maximum Recommended Length (m) in Flat Terrain at 10% Flow Variation for the Following Emitter Spacing						
						15cm	20cm	30cm	50cm	75cm	100cm	120cm
16	13,7	0,9	3,5	400	2,0	37	47	64	94	126	154	174
					4,0	24	31	42	63	83	102	116
		1,0	4,0	400	2,0	37	47	64	94	126	154	174
					4,0	24	31	43	63	84	102	116
		1,1	4,5	400	2,0	37	47	64	94	126	154	175
					4,0	24	31	43	63	84	103	116

# Turbo Compact Line

## Cylindrical Dripline

### Product Characteristics

Available in 16mm external diameter (13,7 internal diameter), with wall thickness of 0,9 / 1,0 and 1,1mm that enables both surface and subsurface installations for multi-seasonal applications

Available in two flow rates 2 lph and 4 lph

Manufactured from the finest raw materials that provide durability and long-lasting performance

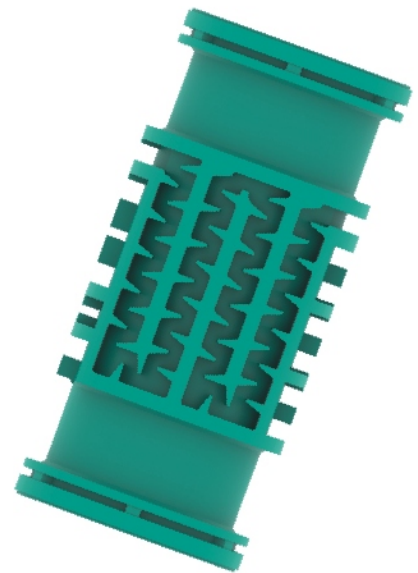
Very high resistance to agrochemicals and hard field conditions

Excellent Coefficient of Variation, lower than similar products due to the excellent emitter design and their production on state-of-the-art injection machines

Advanced water inlet design, increases filtering area and prevents particle insertion in the emitter, thus enhancing the anticlogging performance

Specially designed labyrinth creates high turbulent flow, therefore preventing clogging of the emitter

Emitters are tested from both CIT and Irstea institutes and achieved the highest ranking for CV, emission uniformity, flow accuracy and clogging resistance



Information, photographs and illustrations presented in this document are for general purpose use only. Gulfdrip reserves the right to change specifications and the design of all products without notice. We have made every effort to ensure that product data presented, are correct. Nevertheless, information should be verified before making any decisions based on this data. Emitter filtration requirements depend on several factors including water source and individual specified application. Please consult with Gulfdrip specialists and review technical specifications for proper use of our products.



[www.gulfdrip.com](http://www.gulfdrip.com)

