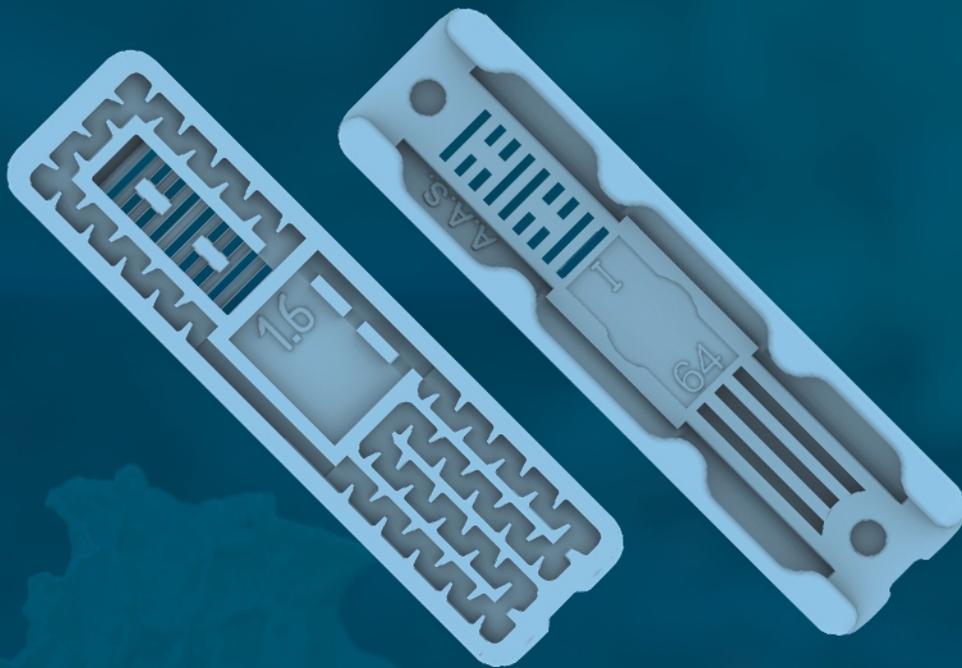




Advanced  
Automation  
Systems



# Turbo

## Flat Turbulent Emitter

One of the world's most proven and trusted flat emitter,  
used in both surface and subsurface applications for more  
than 27 years worldwide

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### Emitter Flow Path

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 anti-clogging ability. A highly turbulent flow design creates multiple vortexes inside the flow path and therefore prevents clogging.

### Emitter Characteristics

Wide range of flow rates from 0,8 to 3,8 l/h.

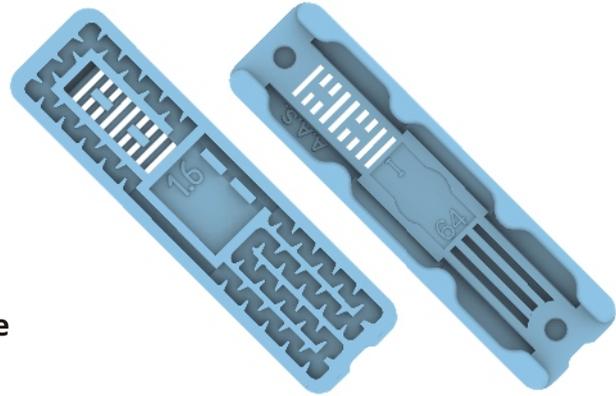
Designed for insertion systems of wall thicknesses ranging from 5 mil up to 47 mil (0,135 mm - 1,2 mm).

Suitable for driplines with any diameter from 12 mm and on.

Highly turbulent labyrinth with large cross section design, ensure superior clogging resistance.

Symmetrical design allows the highest insertion rates and higher production speed.

Ideal for single season as well as multi-season applications and subsurface installation.



Injected molded emitters with excellent Coefficient of Variation (CV).

Advanced water inlet design, increases filtering area and prevents particle insertion in the emitter, thus enhancing the anti-clogging performance.

### Product Applications

Row crops

Orchards

Landscaping

Vegetables

Gardening

Suitable for both on surface and subsurface installations depending on wall thickness

## Turbo Design Characteristics

### The Most Successful Flat Emitter

Turbo was designed in 1991 and since then it was installed in numerous fields worldwide making it the most successful flat emitter in the drip irrigation industry. As a result Turbo is also the most copied emitter in the industry

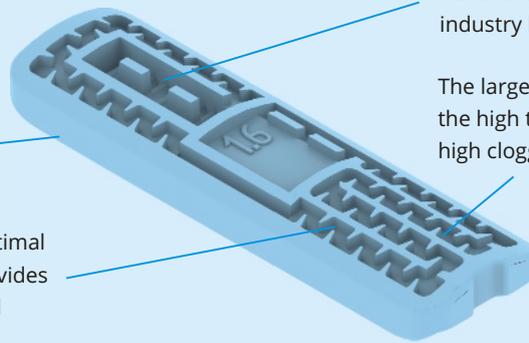
Symmetrical emitter for easier inserting and drilling. Along with its unique design, it can achieve the highest production speed in the industry

The unique design and the optimal dimensions of the emitter provides the ability to insert it in all wall thicknesses and diameters

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

Advanced water inlet design with industry leading filtration area

The large cross section along with the high turbulent flow path, provides high clogging resistance



#### Actual Size



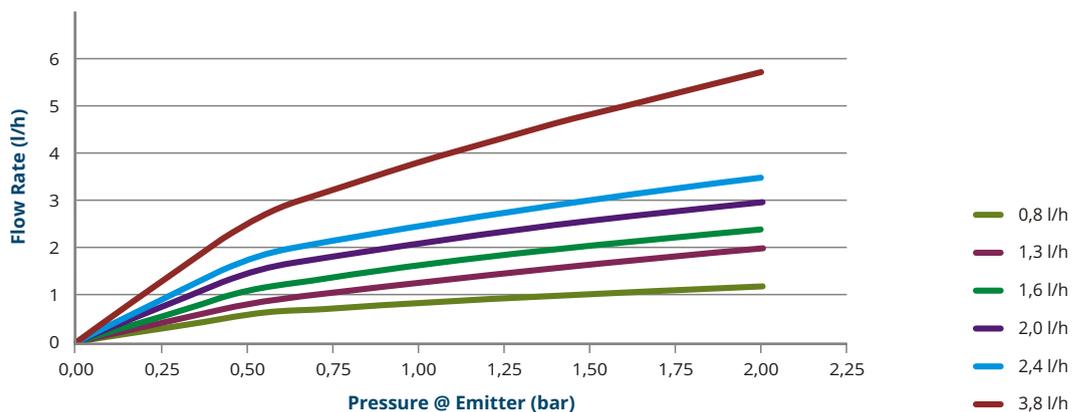
#### Packaging

13.400 pcs	120 boxes 1.608.000 pcs	11 pallets 17.688.000 pcs	22 pallets 35.376.000 pcs

## Turbo Emitter Specifications

Nominal Flow Rate (l/h @ 1bar)	Constant k (bar)	Exponent (x)	Coefficient of Variation CV (%)	Water Passage Width x Depth x Length (mm)	Filtration Area (mm <sup>2</sup> )	Recommended Filtration (mesh/micron)
0,8	0,82	0,48	1,4	0,62 x 0,62 x 116	20,00	120/130
1,3	1,25	0,49	1,6	0,70 x 0,62 x 106	20,00	120/130
1,6	1,61	0,49	1,8	0,70 x 0,67 x 106	20,00	120/130
2,0	2,07	0,47	1,7	0,75 x 0,75 x 104	20,00	120/130
2,4	2,46	0,48	2,1	0,75 x 0,85 x 104	20,00	120/130
3,8	3,80	0,49	2,2	0,97 x 0,85 x 64,4	12,00	120/130

## Turbo Emitter Flow Curves





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