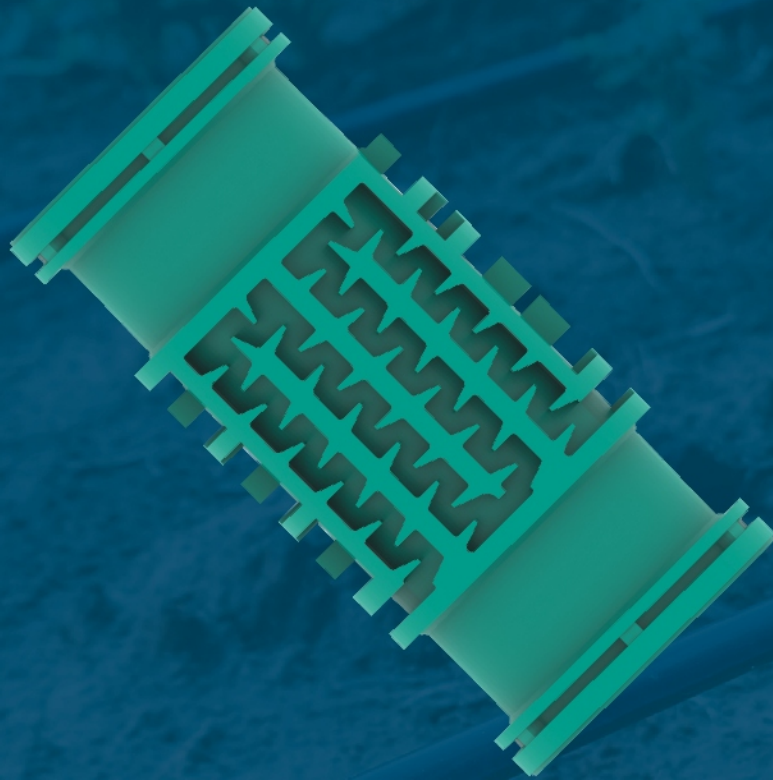




Advanced
Automation
Systems



Turbo Compact

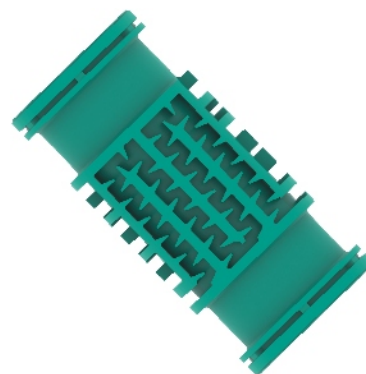
Cylindrical Turbulent Emitter

Compact and economical emitter for a wide range of applications. Suitable for permanent crops, multi seasonal usage and inexperienced farmers

Turbo Compact

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Compact and economical emitter for a wide range of applications. Suitable for permanent crops, multi seasonal usage and unexperienced farmers.



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

Available in two flow rates 2,0 and 4,0 l/h.

Suitable for driplines with 16 mm diameter.

The recommended wall thickness is 0,65 to 1,20 mm (25 - 47 mil)

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

Injected molded emitters with excellent Coefficient of Variation (CV), less than 5%.

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

Very high resistance to agrochemicals and hard field conditions.

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

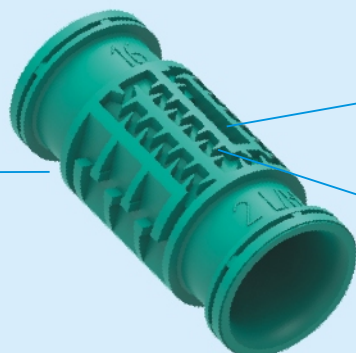
Turbo Compact Design Characteristics

Compact and Economical Emitter

Compact and economical emitter for a wide range of both surface and subsurface applications

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

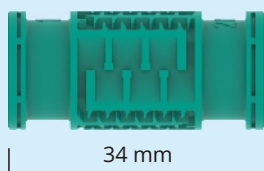
Symmetrical emitter for easier inserting and drilling. Along with its unique design, it can achieve the highest production speed in the industry



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



7.000 pcs



30 boxes
210.000 pcs



10 pallets
2.100.000 pcs

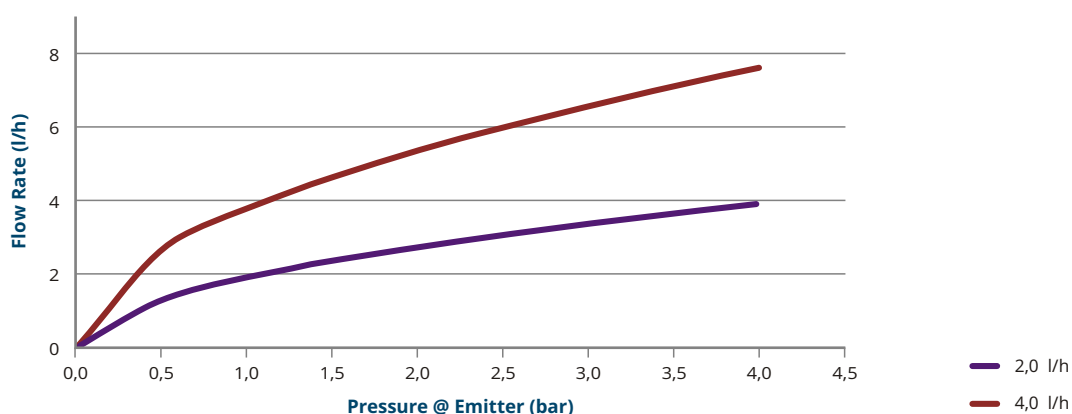


20 pallets
4.200.000 pcs

Turbo Compact Emitter Specifications

Nominal Flow Rate (l/h @ 1bar)	Constant k (bar)	Exponent (x)	Water Passage Width x Depth x Length (mm)	Filtration Area (mm ²)	Recommended Filtration (mesh/micron)
2,0	1,98	0,49	0,95 x 1,00 x 197	20,80	120/130
4,0	3,97	0,49	1,03 x 1,35 x 143	53,00	120/130

Turbo Compact Emitter Flow Curves





Showroom:

10 Andrea Araouzou str.,
3056 Limassol, Cyprus

Head Office:

12 Andrea Araouzou str.,
3056 Limassol, Cyprus

Factory:

9 Fytion str.,
3056 Limassol, Cyprus

T: + 357 25 399962

F: +357 25 399963

aas@aasystems.eu