



# Inbar

## Non-drain PC dripper

Pressure Compensated Dripline

**Crops** • Citrus • Apples • Avocado • Cherry • Almonds • Roses

**Applications** • Open field • Orchards • Greenhouses • Pulse Irrigation • SDI

INBAR is a compact, integral, non-drain, pressure-compensated dripper designed for crops requiring precise and intensive irrigation intervals. The INBAR dripline's anti-drainage mechanism ensures that the dripline remains full of water between irrigation intervals, enabling immediate and simultaneous irrigation cycles, also known as: pulse irrigation. Additionally, its anti-siphon feature prevents the suction of sand and soil into the dripper, making it suitable for subsurface drip irrigation (SDI) in challenging topographies and soil conditions.

### Features & Benefits

- Multi purpose PC dripline for high-end crops and advances irrigation practices
- Highly accurate pressure-compensating self-flushing labyrinth mechanism
- Wide range of working pressures for various topographies and crops
- Highly resistant to UV and typical agricultural fertilizers
- Very low CV
- Wide water passages along the primary labyrinth
- The INBAR dripper has the largest effective filtration area in its category
- The thickest silicone diaphragm in its dripper's category ensures accuracy and high-pressure regulating performance for a long lifetime
- 100% of drippers inspected by online AI quality assurance system

### Specifications

- Inlet filter with Non-Drain Barrier
- Anti-Siphon mechanism for prevention of sand and soil
- Wide self-cleaning labyrinth with turbulent flow to prevent particle settling
- Drip lines available at diameters of 16mm, 17mm, 20mm, 22mm, 25mm
- Precisely welded into medium/thick wall drip lines of 0.40mm-1.25mm thickness
- Available with Rootguard Band® extruded layer to prevent root intrusion in SDI applications
- Available with Cleanline® extruded layer to prevent clogging when using water with high organic content
- Color striping available per grower's choice
- Compatible with and approved by ISO9261 standard
- Inbar drip lines can be manufactured with an additional color layer according to the client's request. Available colors include brown, purple, white, and more

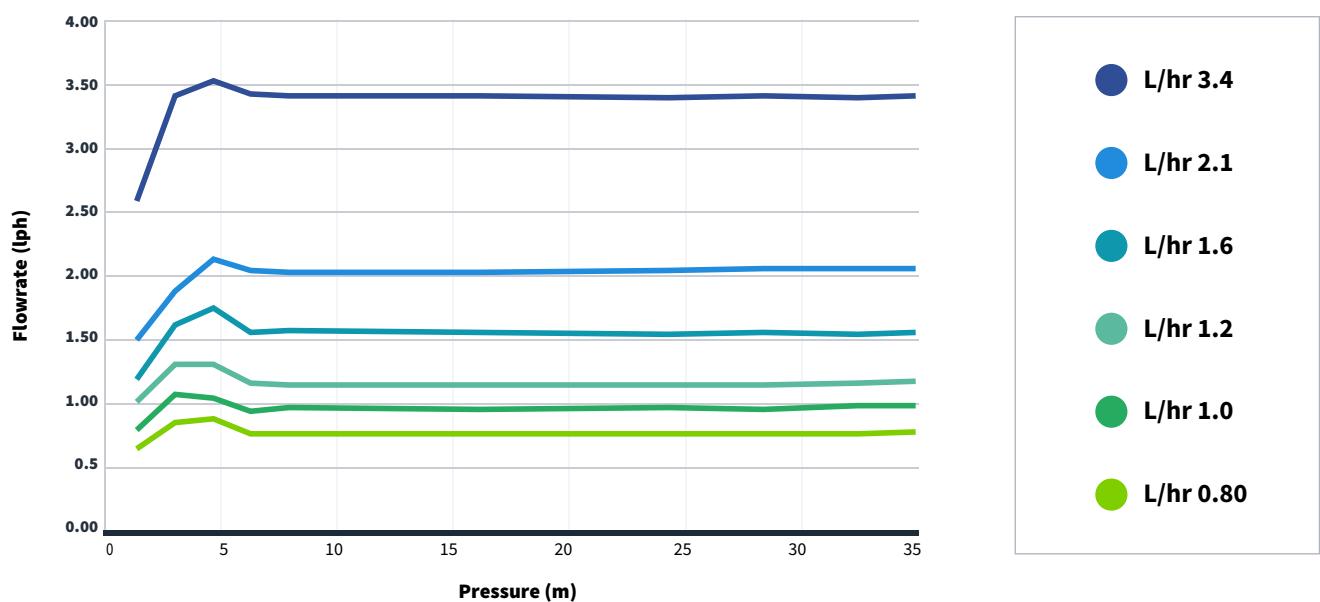
# Inbar



## Inbar Dripper Technical Specifications

Flow Rate L/hr	Working Pressure Range (m)	Primary Labyrinth Dimensions Width-Depth (mm)	Compensating Labyrinth Dimensions Width-Depth (mm)	Inlet Filter Slot width ( $\mu$ )	Filtration Area (mm <sup>2</sup> )	Shut-Off Pressure (m)	Recommended Filtration (micron/mesh)
<b>0.80</b>	8- 40	0.7X 0.6	0.4X 0.15	580	137.78	1.4	120/130
<b>1.0</b>	8- 40	0.7X 0.6	0.4 X0.15	580	137.78	1.4	120/130
<b>1.2</b>	8- 40	0.72X 0.7	0.45X 0.25	580	137.78	1.4	120/130
<b>1.6</b>	8- 40	0.7X 0.85	0.5X 0.25	580	137.78	1.4	120/130
<b>2.1</b>	8- 40	0.8X 1.0	0.5X 0.3	580	137.78	1.4	120/130
<b>3.4</b>	8- 40	0.8X 1.3	0.6X 0.4	580	137.78	1.4	120/130

## Flow rate Vs. Pressure





## Flow rate Vs. Pressure table

Nominal Flow rate (L/hr)	pressure (m)						
	2	4	6	8	10	20	30
<b>0.80</b>	0.68	0.89	0.93	0.81	0.81	0.8	0.8
<b>1.0</b>	0.83	1.12	1.09	0.99	1.01	1	1.02
<b>1.2</b>	1.07	1.37	1.36	1.21	1.20	1.19	1.20
<b>1.6</b>	1.24	1.67	1.81	1.62	1.63	1.61	1.6
<b>2.1</b>	1.55	1.95	2.20	2.11	2.10	2.11	2.12
<b>3.4</b>	2.66	3.50	3.63	3.52	3.51	3.5	3.49

## Inbar Dripline Technical Data

Model	Ø Inside Diameter (mm)	Wall Thickness (mm)	Max working pressure (m)	KD
<b>INBAR 16040</b>	15.8	0.4	2.0	0.20
<b>INBAR 16060</b>	15.2	0.6	2.5	0.20
<b>INBAR 16100</b>	13.8	1.0	4.0	0.27
<b>INBAR 16120</b>	13.8	1.2	4.0	0.27
<b>INBAR 17060</b>	15.8	0.6	2.5	0.20
<b>INBAR 17100</b>	15.0	1.0	4.0	0.22
<b>INBAR 20100</b>	17.4	1.0	3.5	0.10
<b>INBAR 22110</b>	21.0	1.1	3.5	0.08
<b>INBAR 25100</b>	24.7	1.0	3.5	0.05

# Inbar



Calculate Inbar dripline's lateral length  
with our [Irrimetzer app!](#)



**Keep in touch!**

 [info@metzerplas.com](mailto:info@metzerplas.com)

 [metzer-group.com](http://metzer-group.com)



Notwithstanding anything to the contrary, (A) any information, data, figures, descriptions or any other content included in, or referred to, this document (collectively - "Information") are provided merely (i) on an "as is", "as available" basis only, without any kind of representation, warranty, liability, responsibility and/or undertaking on the part of Metzerplas and/or anyone acting on its behalf, and (ii) for general, informational purposes only, and (B) the Information or any content contained in this document do not constitute, in any way, any professional advice, recommendation or guidance and/or any sort of consultancy and must not be relied on as such. In making a decision, the recipient or reader of the Information must rely solely on its own calculations and examination of the Information, including the merits and risks involved.