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
- Higley 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
- Driplines available at diameters of 16mm, 17mm, 20mm, 22mm,25mm
- Precisely welded into medium/thick wall driplines 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 driplines can be manufactured with an additional color layer according to the client's request. Available colors include brown, purple, white, and more

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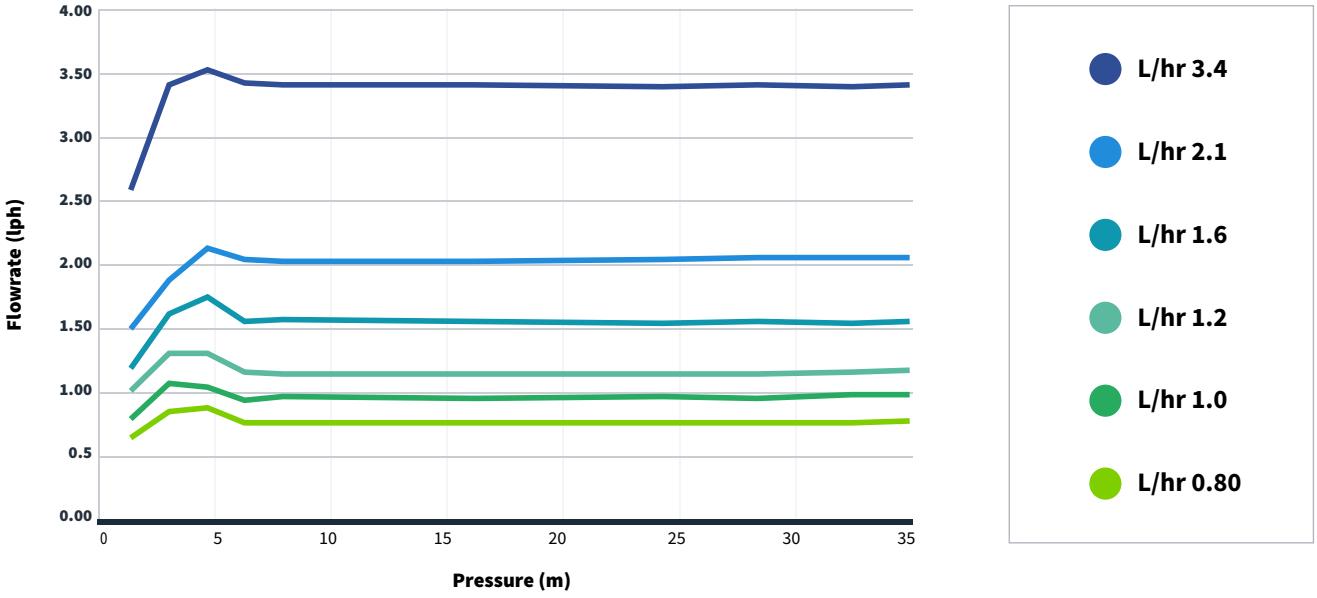
Inbar Dripper Technical Specifications

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

Flow rate Vs. Pressure



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Flow rate Vs. Pressure table

Nominal Flow rate (L/hr)	pressure (m)						
	2	**4**	**6**	**8**	**10**	**20**	**30**
0.80	0.68	0.89	0.93	0.81	0.81	0.8	0.8
1.0	0.83	1.12	1.09	0.99	1.01	1	1.02
1.2	1.07	1.37	1.36	1.21	1.20	1.19	1.20
1.6	1.24	1.67	1.81	1.62	1.63	1.61	1.6
2.1	1.55	1.95	2.20	2.11	2.10	2.11	2.12
3.4	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
INBAR 16040	15.8	0.4	2.0	0.20
INBAR 16060	15.2	0.6	2.5	0.20
INBAR 16100	13.8	1.0	4.0	0.27
INBAR 16120	13.8	1.2	4.0	0.27
INBAR 17060	15,8	0.6	2.5	0.20
INBAR 17100	15.0	1.0	4.0	0.22
INBAR 20100	17.4	1.0	3.5	0.10
INBAR 22110	21.0	1.1	3.5	0.08
INBAR 25100	24.7	1.0	3.5	0.05

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Calculate Inbar dripline's lateral length
with our **Irrimetzer app!**

Keep in touch!

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