



Assif

Compact Anti-Siphon Dripper

Pressure Compensated Dripline

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

Applications • Open field • Orchards • Greenhouses • SDI

Assif is a compact, integral, pressure-compensated, anti-siphon dripper specifically designed for subsurface drip irrigation (SDI) applications. Assif driplines anti-siphon feature prevents the suction of sand and soil into the dripper, making it suitable for subsurface drip irrigation in challenging topographies and soil conditions. The Assif dripline has consistently proven to be the most reliable and cost-effective solution for subsurface irrigation of permanent crops in challenging topographies, varying water qualities, and diverse soil conditions.

Features & Benefits

- Specifically designed for subsurface drip irrigation
- 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 ASSIF 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

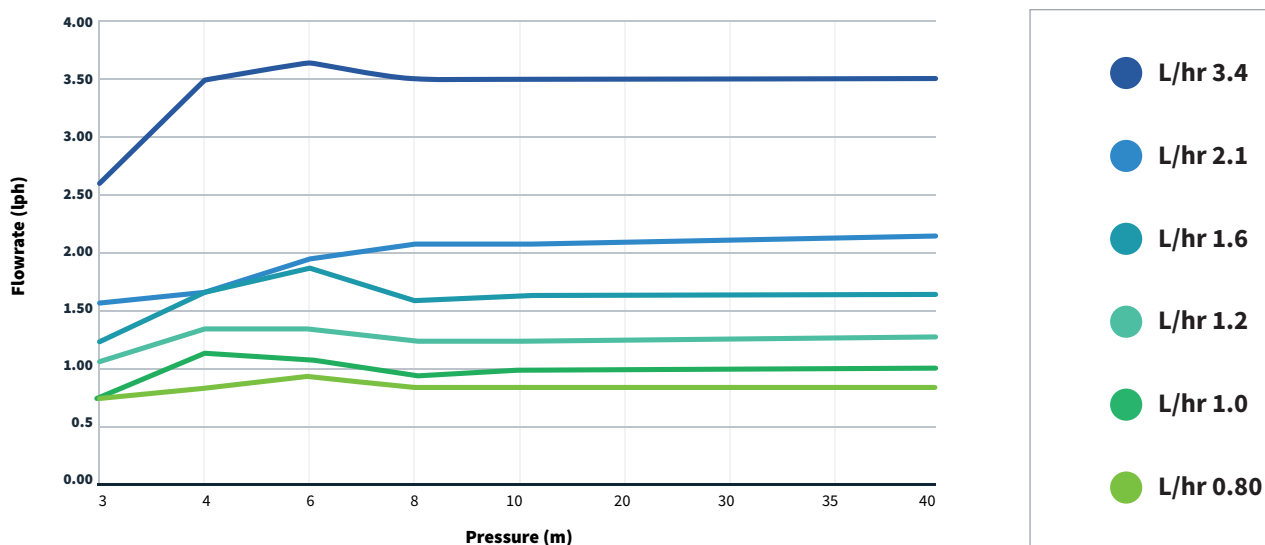
Specifications

- Inlet Filter with Anti-Siphon Barrier 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
- Assif driplines can be manufactured with an additional color layer according to the client's request. Available colors include brown, purple, white, and more

Assif 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)	Recommended Filtration (micron/mesh)
0.85	6 - 40	0.7X 0.6	0.4X 0.15	580	137.78	120/130
1.0	6 - 40	0.7X 0.6	0.4 X0.15	580	137.78	120/130
1.2	6 - 40	0.72X 0.7	0.45X 0.25	580	137.78	120/130
1.6	6 - 40	0.7X 0.85	0.5X 0.25	580	137.78	120/130
2.1	6 - 40	0.8X 1.0	0.5X 0.3	580	137.78	120/130
3.4	6 - 40	0.8X 1.3	0.6X 0.4	580	137.78	120/130

Flow rate Vs. Pressure



Flow rate Vs. Pressure table

Nominal Flow rate (L/hr)	pressure (m)								
	3	4	6	8	10	20	30	35	40
0.80	0.68	0.89	0.93	0.81	0.81	0.8	0.8	0.8	0.8
1.0	0.83	1.12	1.09	0.99	1.01	1	1.02	1	1.03
1.2	1.07	1.37	1.36	1.21	1.20	1.19	1.20	1.20	1.21
1.6	1.24	1.67	1.81	1.62	1.63	1.61	1.6	1.62	1.6
2.1	1.55	1.67	1.95	2.11	2.10	2.10	2.11	2.12	2.12
3.4	2.66	3.50	3.63	3.52	3.51	3.5	3.49	3.5	3.49

Assif



Assif Dripline Technical Data

Model	Ø Inside Diameter (mm)	Wall Thickness (mm)	Max working pressure (m)	KD
ASSIF 16040	15.8	0.4	2.0	0.20
ASSIF 16060	15.2	0.6	2.5	0.22
ASSIF 16100	13.8	1.0	4.0	0.27
ASSIF 16120	13.8	1.2	4.0	0.27
ASSIF 17060	15,8	0.6	2.5	0.20
ASSIF 17100	15.0	1.0	4.0	0.22
ASSIF 20100	17.4	1.0	3.5	0.10
ASSIF 22110	21.0	1.1	3.5	0.08
ASSIF 25100	24.7	1.0	3.5	0.05

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



Keep in touch!

 info@metzerplas.com  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.