



Vered AS

**Heavy duty
pressure compensated
anti-siphon driplines**

Crops • Citrus • Apples • Avocado • Cherry • Almonds

Applications • Sub-surface drip irrigation • Open field • Orchards • Landscaping

VERED AS is a heavy-duty, flat pressure-compensated anti-siphon dripper, specifically designed for subsurface drip irrigation (SDI) applications. Vered AS driplines anti-siphon feature prevents the suction of sand and soil into the dripper, making it the ideal solution for subsurface drip irrigation (SDI) in challenging topographies and soil conditions. This newly developed dripper takes the legacy Vered dripline which has been serving farmers for decades, to the 'underground' assuring reliable and trust-worthy sub-surface irrigation on-which growers can relay upon.

Features & Benefits

- The Anti siphon mechanism is Specifically designed for subsurface drip irrigation, prevents local backsuction.
- Advanced self-flushing mechanism at the beginning and at the end of each irrigation cycle
- Unique and accurate pressure-compensating labyrinth mechanism
- Wide range of working pressure for various topographies
- Highly resistant to UV and typical agricultural fertilizers
- Very low CV
- Highly durable and reliable structure designed for harsh water conditions
- The Vered AS dripper has the largest active filtration area in the market
- 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

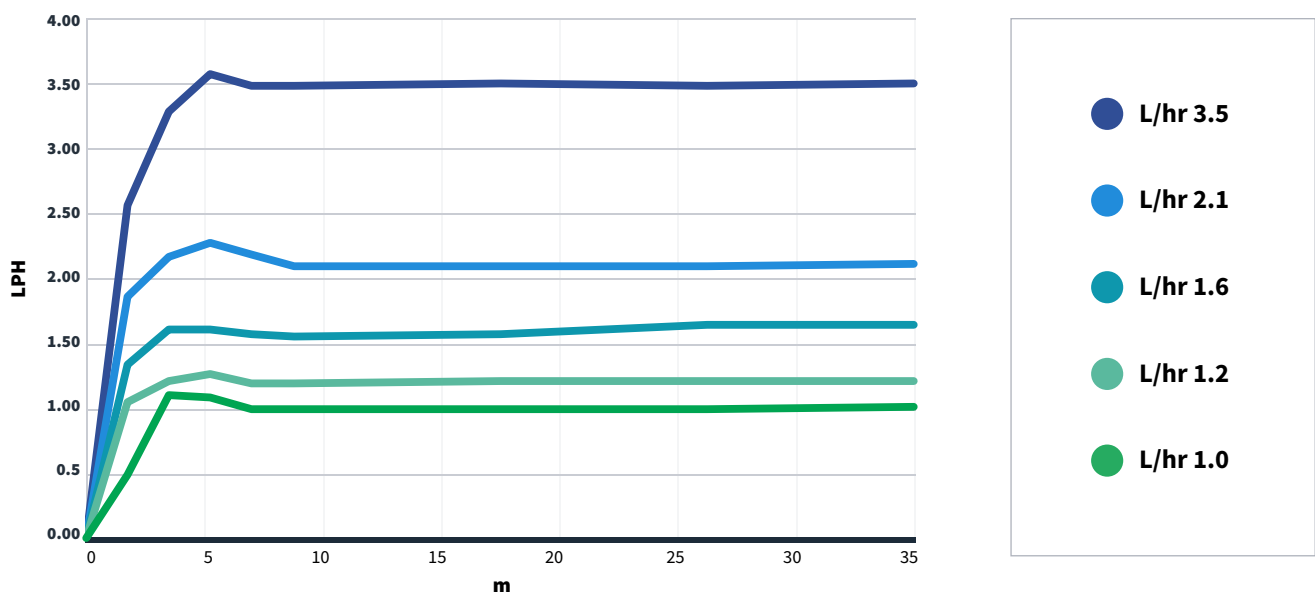
- Wide self-cleaning labyrinth with turbulent flow to prevent particle settling
- Driplines available at diameters of 16mm, 17mm, 20mm, 22mm, 25mm
- Precisely welded into medium/thick wall driplines of 0.60mm-1.25mm thickness
- Available with Rootguard Band® extruded layer to prevent root intrusion in SDI applications
- Available with Cleanline® extruded layer to prevent biofilm formation when using water with high organic content
- Color striping available per grower's choice
- Vered AS 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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Vered AS 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)	Effective Filtration Area (mm ²)	Recommended Filtration (micron/mesh)
1	5-40	0.7X 0.9	0.4X 0.3	730	52.5	120/ 130
1.2	5-40	0.8X 0.9	0.4X 0.3	730	52.5	120/ 130
1.6	5-40	09X 1.0	0.5x 0.3	820	52.5	120/ 130
2.1	5-40	0.95X 1.05	0.6X 0.4	870	52.5	120/ 130
3.5	5-40	1.3X 1.4	0.7X 0.5	1230	52.5	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
1	0.5	0.8	1.02	1.08	1.01	1.00	1.01
1.2	1.25	1.28	1.28	1.27	1.25	1.23	1.26
1.6	1.26	1.61	1.62	1.58	1.56	1.58	1.65
2.1	2.03	2.18	2.22	2.2	2.17	2.14	2.14
3.5	2.57	3.3	3.44	3.47	3.4	3.45	3.48

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VERED AS Dripline Technical Data

Model	Ø Inside Diameter (mm)	Wall Thickness (mm/mil)	Max working pressure (m)	KD
VERED-AS 16060	15.2	0.60	2.5	0.65
VERED-AS 16090	15	0.90	3.0	0.95
VERED-AS 16100	13.8	1.00	4.0	0.95
VERED-AS 16115	13.8	1.15	4.0	0.95
VERED-AS 16120	13.8	1.20	4.0	0.95
VERED-AS 17090	15	0.90	3.0	0.7
VERED-AS 17115	15	1.15	4.0	0.7
VERED-AS 20120	15	1.20	3.5	0.6
VERED-AS 20125	17.4	1.25	3.5	0.6
VERED-AS 22090	21	0.90	3.0	0.24
VERED-AS 22100	21	1.00	3.5	0.24
VERED-AS 25100	24.7	1.00	3.5	0.21

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



Keep in touch!

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 metzer-group.com



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