IRRIGATION UNLIMITED

SINCE 2003

Product Catalogue & Price List

2025

NON-PC DRIPLINE

Africa Water

www.iunlimited.co.za

Pretoria Tel : 012 736 2121 / 2323 / 2526 / 2103

Cape Town Tel : 021 946 1194 / 4931 / 1803

STRICTLY TRADE ONLY

CONTACT DETAILS

PRETORIA

HEAD OFFICE

TEL: 012 736 2121 / 2323 / 2526 / 2103 / 2525

POSTAL: P.O. Box 770, Rayton, 1001

ADDRESS: Plot 56 Irrigation Estate R104
(Old Pretoria / Bronkhorstspruit Road)
District Rayton, Pretoria

Google Maps pin

S -25° 789
E 28° 5029

CAPE TOWN

CPT BRANCH

TEL: 021 946 1194 / 4931 / 1803
FAX: 086 612 5676

POSTAL: P.O. Box 770, Rayton, 1001

ADDRESS: Unit 1 - 5 Coenru Business Park
Coenru Street, Kaymor (Stikland),
Bellville, Cape Town, 7530

Google Maps pin

S -33° 900
E 18° 665

LIMPOPO

TONY TURNER AGENCIES

INDEPENDENT OUTLET

TEL: 015 293 1414 / 1072
083 633 6378

EMAIL: reception@ttagencies.co.za

POSTAL: P.O. Box 4212, Polokwane, 0700

ADDRESS: 19 Natrium Street,
Ladine, Polokwane, 0700

Google Maps pin

S -23° 53'18.9"
E 29° 26'13.6"

IRRIGATION UNLIMITED

PROUDLY DISTRIBUTED BY

IRRIGATION UNLIMITED
SINCE 2003

now proudly distributes Afriq Water products nationwide.

Afriq Water is a proudly South African manufacturer of Dripline Irrigation, Quick Coupling HDPE Systems and various other irrigation products. With their continued efforts to irrigate for a greener tomorrow, their quality, value-for-money products are supplied through retailers to farmers.

IMPORTANT NUMBERS

REGISTRATION NO.: 2003/005763/23
VAT REGISTRATION NO.: 4610204259
PAYE REG.: 7100746157
IMPORT/EXPORT CODE: 20143250
UIF: U100746157

BANK DETAILS

PLEASE NOTE:
Our banking details will not change, unless telephonically confirmed by one of our key personnel.

BANK: Standard Bank
ACCOUNT NO.: 021 354 898
BRANCH: Castle Walk
BRANCH CODE: 015841
SWIFT CODE: SBZAZAJJ

TERMS & CONDITIONS

PRICES EXCLUDE VAT AND DELIVERY

ITEMS NOT ON PRICE LIST

- Will only be manufactured upon receipt of a drawing.
- CANNOT be returned for credit.
- Once production has started on these products, order CANNOT be cancelled.

ITEMS MARKED WITH *

- Will only be manufactured once IU has received a formal Purchase Order.
- CANNOT be returned for credit.
- Once production has started on these products, order CANNOT be cancelled.
- Subject to current lead times.

RETURN OF GOODS

A 15% handeling charge will be levied on all returns. Transport costs is also for the account of the buyer.

RISK

The risk in the products to be sold by the company shall pass to the purchaser when the products are delivered to the purchaser, or received by the purchaser.

DATE OF PRICE LIST

If the price list is older than 6 months, you should enquire about the validity thereof.

PLEASE NOTE

SETTLEMENT DISCOUNT
To qualify for a settlement discount, payment should reach us or be in our account on the last working day of the month.

IMPORTANT

It is recommended and beneficial to review your quotation in detail, to ensure we have met all of your requirements.

- All prices exclude VAT.
- E & OE (Errors & Omissions Expected).
- Lead times are subject to change without prior notice.
- Please place your orders early to ensure timeous delivery.
- EFT Payments should reflect and be cleared by our accounts department before any goods can be scheduled.

ALL PRICES RECOMMENDED RETAIL / CO-OP PRICES, EXCLUDING VAT

TRANSPORT POLICY & OPTIONS

1. If the value of the order is ABOVE R6000 (Nett exclusive) we will dispatch with our own courier on our cost to any town in the RSA.
2. If the value of the order is LESS THAN R6000 (Nett exclusive) we can dispatch it with our own courier at a cost of R250 (exclusive) to any town in the RSA.
3. This policy is not applicable to the transport of 3m, 6m pipes, dragline stands and irrigators. Transport of this is to be negotiated upon placement of order.
4. If you return goods for reason not due to our fault we will deduct the original transport charges as well as handling charges from the credit.
5. Goods will be dispatched by economy class only.
6. Orders should reach us before 11h00 on a specific day for dispatch by our own couriers on that day. The same cut-off time applies to deliveries.
7. Orders for delivery should reach us before 10h00 to be dispatched on route schedule.
8. We cannot ensure orders will be dispatched the same day when placed after 11h00, even if there is an existing order placed before 11h00.
9. We reserve the right to automatically add the courier cost to the invoice.
10. Please allow 3 hours after order is placed for other couriers to collect.

ADVANTAGES TO YOU

1. Daily dispatches.
2. You know exactly what your transport cost is. (R250 or free)
3. Deliveries by our own courier will be within 72 hours to any town in the RSA (dedicated weekly deliveries do not apply).

IRRIGATION UNLIMITED

made in SA

Afriq Water is the proud manufacturer of Afriq Drip quality, value-for-money Dripline Irrigation in South Africa. Their mission to irrigate for a greener tomorrow starts with this Water-Wise irrigation range.

Afriq Drip Dripline Irrigation

Afriq Water

Afriq Drip Dripline Benefits

Water-Wise Irrigation

Water is delivered directly to the root zone of the crop, utilising every drop.

Dripline delivers a higher yield without compromising precious water resources.

Dripline Benefits

Lower water consumption with limited water waste and evaporation

Ideal for all types of crops; from vegetables and flowers to tree crops

Prevents disease by reducing water contact with plants' leaves, stems, and fruit

High quality crop yields

Easy installation and dismantling

Reduced weed growth

Lines can run with gravity if the topography allows, reducing energy costs

Efficient use of fertilizer, fungicide, and insecticide with no seeping

Irrigates uniformly on most topography- and soil types, with precise water distribution

Dripline vs. Flood Irrigation

Dripline offers a steady, consistent application of water and nutrients to help plants grow fast and plentiful, without the danger of under or overwatering.

Flood Irrigation floods fields once every few days. Crops suffer bouts of drought that stunt their growth and quality with these systems, followed by watering that drowns them and deprives them of essential oxygen, often leading to root rot.

The Cost

Dripline can pay for itself in a relatively short period, ensuring higher profit further down the line. Afriq Drip is a quality, value-for-money range.

Dripline Definitions

Dripline Irrigation

Also known as dripper lines, drip tape irrigation or trickle irrigation

An irrigation method or system that delivers water directly to the root zone of the crop, in the form of single water droplets. The emitters on the inner walls determine the litres per hour. This method keeps roots moist, but not soaked, all while using less water than other irrigation techniques.

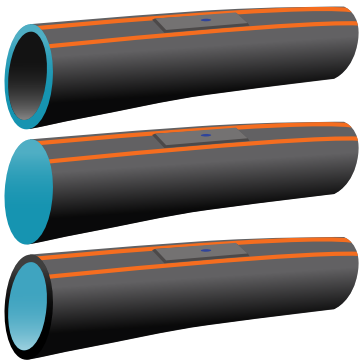
Pressure Compensating / Non-PC Dripline Irrigation

Afriq Water manufactures both PC and Non-PC dripline irrigation. PC dripline irrigation contains a unique emitter that maintains water flow across all emitters in a system, even when there are pressure variations along the lines or across the field. Non-PC drip that contains a less complex emitter that has a consistent flow at 1 BAR, and can be affected by pressure variations.

Drip Tape

Also known as disposable drip or seasonal drip

Drip tape is a thin drip irrigation product. Afriq Water manufactures 0.15mm and 0.20mm Wall Thickness drip tapes. All drip tape is dripline, but not all dripline is drip tape.



Wall Thickness

Shortened to W/T

The thickness of the dripline walls, in mm.

Outside Diameter

Measurement from one side of the pipe to the other, in mm.

Inside Diameter

The measurement from one side of the pipe to the other, on the inside, in mm.

Flow Rate

The litres of water emitted by the emitters, per hour, at 1 BAR.

Emitters

A small plastic device, used to control the flow rate and litres per hour of water (measured at 1 BAR) from the system to the emitter hold, welded to the inner walls of the dripline pipe during manufacturing. The design of each litre per hour emitter is unique, engineered to obstruct and control the movement of water to deliver a precise, accurate flow rate.

Emitter Spacing

The distance between two emitters, repeated across a roll of dripline.

Pre-Installed Emitters

Afriq Water manufactures driplines with pre-installed emitters, meaning that the emitters are melted to the inner walls of the dripline spaced evenly apart at the specified interval, as made when ordering, during the manufacturing process.

Blanco Dripline

Dripline without emitters, simply called a Blanco Pipe.

Area Covered

The surface area that can be irrigated with the system; subject to area design.

Types of Non-PC Dripline

PLEASE NOTE

Lifetime estimates are for the dripline pipes only. The following can decrease emitter lifetimes:

- Lime or calcium in the water.
- Dirt, sand, and undissolved fertilizer - ensure sufficient filtration AFTER the water source AND BEFORE every block.

0.15mm Wall Thickness

Light | One-Season (3 Month) Drip Tape | 2 500m Roll

Paper thin drip tape, with plastic lending it some strength. We recommend this dripline to farmers who have lime or calcium build-up in their water or as the economic starter choice.

0.20mm Wall Thickness

Light | Two-Season (6 Month) Drip Tape | 2 000m Roll

Paper thin drip tape, with plastic lending it some strength. We recommend this dripline to farmers who have lime or calcium build-up in their water or as a slightly more durable economic choice. Contains some UV for a slightly longer lifespan.

0.30mm Wall Thickness

Medium | One-Year Dripline | 1 250m Roll

Slightly thick, bendable dripline. An economical yet more durable choice, with more UV making it slightly thicker.

0.40mm Wall Thickness

Medium | Two-Year Dripline | 1 000m Roll

Thick, yet bendable dripline. Contains enough UV to make this a good economic choice that will last for longer than tape, ideal for farmers who need to consider their economic situation to decide what will work best for their crops and needs.

0.60mm Wall Thickness

Medium | Four-Year Dripline | 700m Roll

Very thick, yet bendable dripline. Contains more UV than the 0.40mm, making it thicker and with a longer life expectancy, making it a long-term solution.

0.90mm Wall Thickness

Heavy | Five-Year Dripline | 500m Roll

Our second thickest dripline. Very thick, unyieldingly strong. With a high percentage of UV, this dripline is a very popular long-term solution.

1.00mm Wall Thickness

Heavy | Five-Year+ Dripline | 400m Roll

Our thickest, most durable dripline. Extremely thick, unyieldingly strong. With a high percentage of UV, this dripline is a great long-term solution.

Manufacturing Dripline

Afriq Water manufactures hundreds of thousands of meters of dripline in a year. Users benefit from reduced prices for professional dripline, as many additional costs are cut out when the rolls are manufactured on-site in South Africa and distributed from Irrigation Unlimited's warehouse.

Non-PC Dripline customisations available from IU

Wall Thickness

Seasonal drip tape is always ideal for water with lime, as the lime will clog the delicate emitter beyond repair, even if the pipe lasts years to come. Thicker, heavier dripline will last much longer under ideal circumstances.

Litres per hour

Determined by the crop's needs. If, for example, 2 litres an hour (our most popular choice) is too much water per session, watering times can be customised to the needs of the farmer.

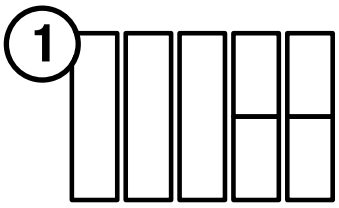
Emitter spacings

Determined by the crop and the seedling supplier, as different crops require different spacings between them.

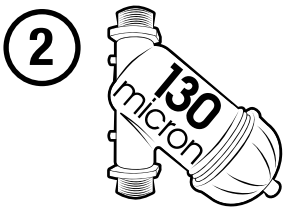
Drip tape / disposable

	Wall Thickness	Roll Length	Flow Rate Litres p/h emitters	Emitter Spacing in cm
Afriq Drip Light	0.15mm	2 500m	0.8	20
	0.20mm	2 000m	1.3	30
Afriq Drip Medium	0.30mm	1 250m	1.6	40
	0.40mm	1 000m	2	50
	0.60mm	700m	3.8	60
Afriq Drip Heavy	0.90mm	500m		75
	1.00mm	400m		90
				100
				120
			Customisations available	

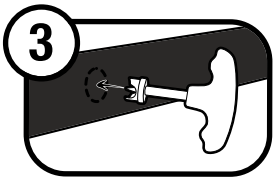
Installation Steps



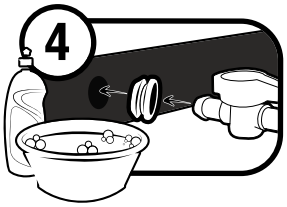
Plan your design layout
(refer to pages 46 - 47)



Add sufficient 130 micron filters
after water source and before every block

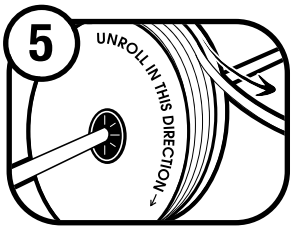


Install mainline and
punch holes

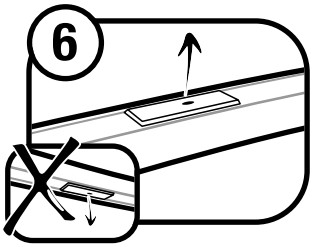


Insert sealing rubbers &
Off-Take Connectors

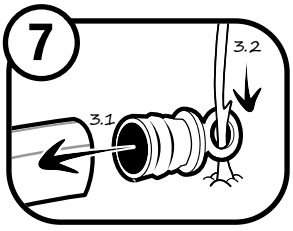
Tip: Use warm, soapy water to help this process



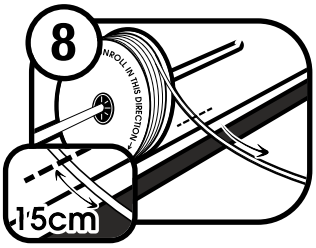
Unroll on spool



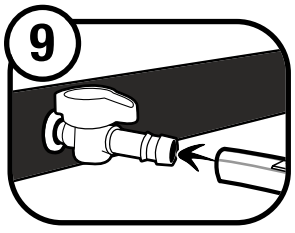
Drippers facing up



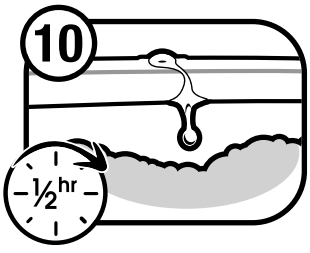
Anchor drip + end plug



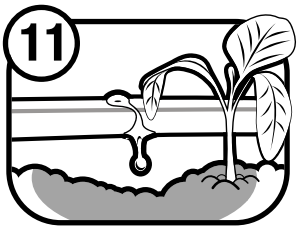
Cut 15cm
above mainline



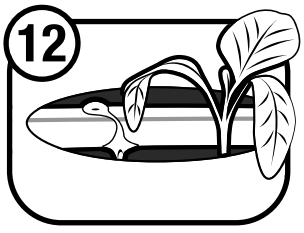
Connect drip
to fittings



Run and test the
system for 30 minutes



Plant seedlings
next to drippers



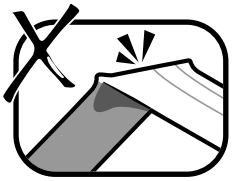
Mulch with hay,
bark or plastic

Step 13

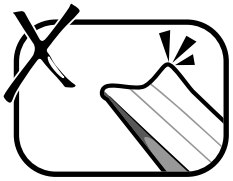
Enjoy a bountiful harvest!

Afriq Drip Maintenance

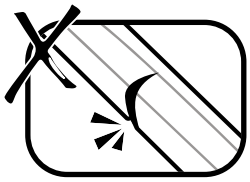
Installation Warnings



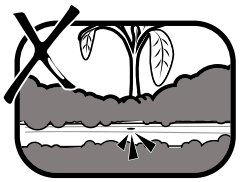
Do not twist



Do not bend

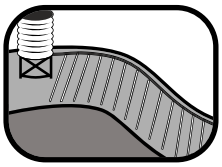


Do not cut

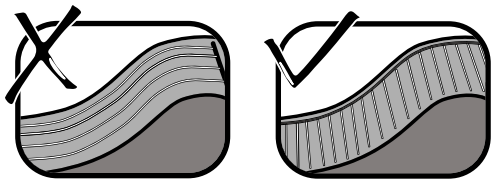


Do not bury underground

Gravity Installations

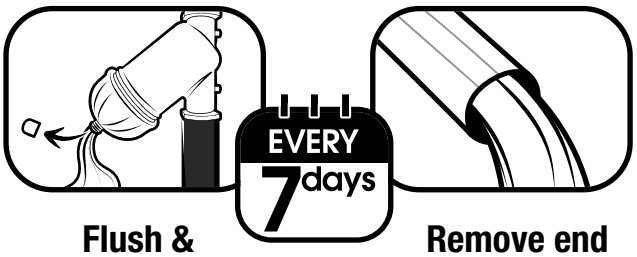


Keep water source above system



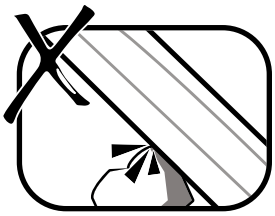
Install horizontally across contours

Maintenance Guidelines

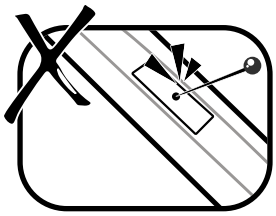


Flush & clean filter

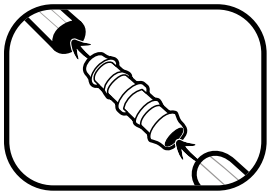
Remove end plug & flush lines



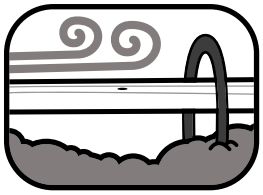
Remove rocks under drip



Do not unclog with a needle



Repair dripline with couplings



Anchor down in windy areas

Afriq Drip Dripline Line Spacing

Ensuring Sufficient Irrigation with Non-PC

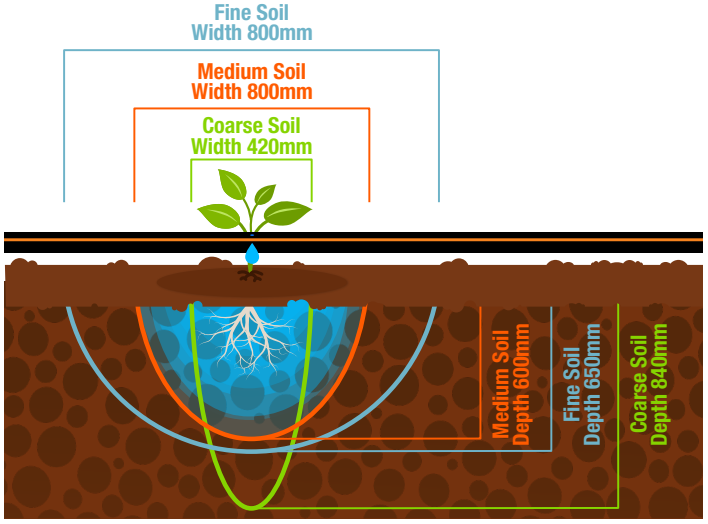
Choosing the Spacing between Your Dripline Lines

Take into consideration soil wetting patterns

For the purposes of general calculations, a conservative wetting pattern in a medium soil (orange line) is assumed with a wetting diameter of 800 mm.

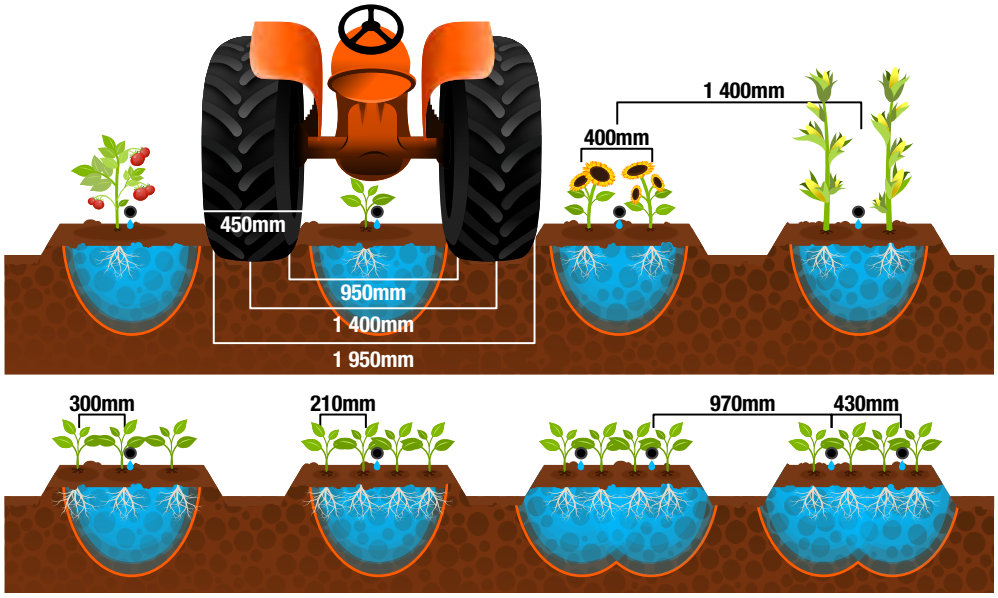
It is recommended that at least a third (30%) of the area should be wetted during irrigation in order to provide sufficient soil water capacity and to stimulate root development. The spacing and number of driplines are determined by the crop row spacing and the required wetted area.

Normally a single dripline will be sufficient, however it may be necessary for a second line where the surface area is not wetted sufficiently due to various factors. With coarse soils the percentage wetted areas will be less. Bigger wetted areas can be expected in fine textured soils.



Typical crop row and dripline line spacings with tractors

The spacing between dripline lines may vary between 1 400 mm and 1 600 mm depending on the size of the tractor used, if at all.



From the above information a decision can be made regarding the spacing and number of driplines required per hectare.

Afriq Drip Hectare Specifications

OUTPUT OF DRIPLINE PER HECTARE

SPACING BETWEEN DRIPLINE LINES OR BEDS (CM)	DRIPLINE LENGTH (M) P/HA	% AREA WETTED	DRIPLINE ROLLS REQUIRED P/HA BASED ON ROLL SIZE						
			0.15 (2 500m)	0.20 (2 000m)	0.30 (1 250m)	0.4 (1 000m)	0.6 (700m)	0.9 (500m)	1.0 (400m)
30	33 333	100%	13.3	16.7	26.7	33.3	47.6	66.7	83.3
60	16 667	100%	6.7	8.3	13.3	16.7	23.8	33.3	41.7
70	14 286	100%	5.7	7.1	11.4	14.3	20.4	28.6	35.7
90	11 111	89%	4.4	5.6	8.9	11.1	15.9	22.2	27.8
120	8 333	67%	3.3	4.2	6.7	8.3	11.9	16.7	20.8
140	7 143	57%	2.9	3.6	5.7	7.1	10.2	14.3	17.9
180	5 556	44%	2.2	2.8	4.4	5.6	7.9	11.1	13.9
200	5 000	40%	2.0	2.5	4.0	5.0	7.1	10.0	12.5
240	4 167	33%	1.7	2.1	3.3	4.2	6.0	8.3	10.4
300	3 333	27%	1.3	1.7	2.7	3.3	4.8	6.7	8.3
350	2 857	23%	1.1	1.4	2.3	2.9	4.1	5.7	7.1
400	2 500	20%	1.0	1.3	2.0	2.5	3.6	5.0	6.3
500	2 000	16%	0.8	1.0	1.6	2.0	2.9	4.0	5.0
600	1 667	13%	0.7	0.8	1.3	1.7	2.4	3.3	4.2
700	1 429	11%	0.6	0.7	1.1	1.4	2.0	2.9	3.6
1 000	1 000	8%	0.4	0.5	0.8	1.0	1.4	2.0	2.5

FLOW RATE PER HECTARE M³/H (1 000 L/H)

	SPACING BETWEEN DRIPLINE LINES (CM)	EMITTER SPACING (CM)								
		20	30	40	50	60	75	90	100	120
0.8 L/H	30	133	89	67	53	44	36	30	27	22
	60	67	44	33	27	22	18	15	13	11
	70	57	38	29	23	19	15	13	11	10
	90	44	30	22	18	15	12	10	9	7
	120	33	22	17	13	11	9	7	7	6
	140	29	19	14	11	10	8	6	6	5
	180	22	15	11	9	7	6	5	4	4
	200	20	13	10	8	7	5	4	4	3
	240	17	11	8	7	6	4	4	3	3
	300	13	9	7	5	4	4	3	3	2
	350	11	8	6	5	4	3	3	2	2
	400	10	7	5	4	3	3	2	2	2
	500	8	5	4	3	3	2	2	2	1
	600	7	4	3	3	2	2	1	1	1
	700	6	4	3	2	2	2	1	1	1
	1 000	4	3	2	2	1	1	1	1	1
1.3 L/H	30	217	144	108	87	72	58	48	43	36
	60	108	72	54	43	36	29	24	22	18
	70	93	62	46	37	31	25	21	19	15
	90	72	48	36	29	24	19	16	14	12
	120	54	36	27	22	18	14	12	11	9
	140	46	31	23	19	15	12	10	9	8
	180	36	24	18	14	12	10	8	7	6
	200	33	22	16	13	11	9	7	7	5
	240	27	18	14	11	9	7	6	5	5
	300	22	14	11	9	7	6	5	4	4
	350	19	12	9	7	6	5	4	4	3
	400	16	11	8	7	5	4	4	3	3
	500	13	9	7	5	4	3	3	3	2
	600	11	7	5	4	4	3	2	2	2
	700	9	6	5	4	3	2	2	2	2
	1 000	7	4	3	3	2	2	1	1	1

Afriq Drip Hectare Flow Rates

Afriq Drip Hectare Flow Rates

Afriq Drip Hectare Specifications

FLOW RATE PER HECTARE M³/H (1 000 L/H)

			EMITTER SPACING (CM)								
			20	30	40	50	60	75	90	100	120
1.6 L/H	SPACING BETWEEN DRIPLINE LINES (CM)	30	267	178	133	107	89	71	59	53	44
		60	133	89	67	53	44	36	30	27	22
		70	114	76	57	46	38	30	25	23	19
		90	89	59	44	36	30	24	20	18	15
		120	67	44	33	27	22	18	15	13	11
		140	57	38	29	23	19	15	13	11	10
		180	44	30	22	18	15	12	10	9	7
		200	40	27	20	16	13	11	9	8	7
		240	33	22	17	13	11	9	7	7	6
		300	27	18	13	11	9	7	6	5	4
		350	23	15	11	9	8	6	5	5	4
		400	20	13	10	8	7	5	4	4	3
		500	16	11	8	6	5	4	4	3	3
		600	13	9	7	5	4	4	3	3	2
		700	11	8	6	5	4	3	3	2	2
		1 000	8	5	4	3	3	2	2	2	1
2 L/H	SPACING BETWEEN DRIPLINE LINES (CM)	30	333	222	167	133	111	89	74	67	56
		60	167	111	83	67	56	44	37	33	28
		70	143	95	71	57	48	38	32	29	24
		90	111	74	56	44	37	30	25	22	19
		120	83	56	42	33	28	22	19	17	14
		140	71	48	36	29	24	19	16	14	12
		180	56	37	28	22	19	15	12	11	9
		200	50	33	25	20	17	13	11	10	8
		240	42	28	21	17	14	11	9	8	7
		300	33	22	17	13	11	9	7	7	6
		350	29	19	14	11	10	8	6	6	5
		400	25	17	13	10	8	7	6	5	4
		500	20	13	10	8	7	5	4	4	3
		600	17	11	8	7	6	4	4	3	3
		700	14	10	7	6	5	4	3	3	2
		1 000	10	7	5	4	3	3	2	2	2
3.8 L/H	SPACING BETWEEN DRIPLINE LINES (CM)	30	633	422	317	253	211	169	141	127	106
		60	317	211	158	127	106	84	70	63	53
		70	271	181	136	109	90	72	60	54	45
		90	211	141	106	84	70	56	47	42	35
		120	158	106	79	63	53	42	35	32	26
		140	136	90	68	54	45	36	30	27	23
		180	106	70	53	42	35	28	23	21	18
		200	95	63	48	38	32	25	21	19	16
		240	79	53	40	32	26	21	18	16	13
		300	63	42	32	25	21	17	14	13	11
		350	54	36	27	22	18	14	12	11	9
		400	48	32	24	19	16	13	11	10	8
		500	38	25	19	15	13	10	8	8	6
		600	32	21	16	13	11	8	7	6	5
		700	27	18	14	11	9	7	6	5	5
		1 000	19	13	10	8	6	5	4	4	3

Afriq Drip Application Specifications

What is mm/hour application?

Also known as Rate of Precipitation (ROP)

The application rate of mm/hour is the amount of water distributed over a given area and amount of time. The ROP or mm/hour value is used by farmers to determine duration of irrigation sessions required, depending on their specific variety of crop and that crop's needs. Seedling suppliers commonly will supply the mm/hour required for their different crop varieties.

APPLICATION RATE MM/H ACROSS AREA

			EMITTER SPACING (CM)								
			20	30	40	50	60	75	90	100	120
0.8 L/H	SPACING BETWEEN DRIPLINE LINES (CM)	30	13.3	8.9	6.7	5.3	4.4	3.6	3.0	2.7	2.2
		60	6.7	4.4	3.3	2.7	2.2	1.8	1.5	1.3	1.1
		70	5.7	3.8	2.9	2.3	1.9	1.5	1.3	1.1	1.0
		90	4.4	3.0	2.2	1.8	1.5	1.2	1.0	0.9	0.7
		120	3.3	2.2	1.7	1.3	1.1	0.9	0.7	0.7	0.6
		140	2.9	1.9	1.4	1.1	1.0	0.8	0.6	0.6	0.5
		180	2.2	1.5	1.1	0.9	0.7	0.6	0.5	0.4	0.4
		200	2.0	1.3	1.0	0.8	0.7	0.5	0.4	0.4	0.3
		240	1.7	1.1	0.8	0.7	0.6	0.4	0.4	0.3	0.3
		300	1.3	0.9	0.7	0.5	0.4	0.4	0.3	0.3	0.2
		350	1.1	0.8	0.6	0.5	0.4	0.3	0.3	0.2	0.2
		400	1.0	0.7	0.5	0.4	0.3	0.3	0.2	0.2	0.2
		500	0.8	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1
		600	0.7	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1
		700	0.6	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1
		1 000	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1
1.3 L/H	SPACING BETWEEN DRIPLINE LINES (CM)	30	21.7	14.4	10.8	8.7	7.2	5.8	4.8	4.3	3.6
		60	10.8	7.2	5.4	4.3	3.6	2.9	2.4	2.2	1.8
		70	9.3	6.2	4.6	3.7	3.1	2.5	2.1	1.9	1.5
		90	7.2	4.8	3.6	2.9	2.4	1.9	1.6	1.4	1.2
		120	5.4	3.6	2.7	2.2	1.8	1.4	1.2	1.1	0.9
		140	4.6	3.1	2.3	1.9	1.5	1.2	1.0	0.9	0.8
		180	3.6	2.4	1.8	1.4	1.2	1.0	0.8	0.7	0.6
		200	3.3	2.2	1.6	1.3	1.1	0.9	0.7	0.7	0.5
		240	2.7	1.8	1.4	1.1	0.9	0.7	0.6	0.5	0.5
		300	2.2	1.4	1.1	0.9	0.7	0.6	0.5	0.4	0.4
		350	1.9	1.2	0.9	0.7	0.6	0.5	0.4	0.4	0.3
		400	1.6	1.1	0.8	0.7	0.5	0.4	0.4	0.3	0.3
		500	1.3	0.9	0.7	0.5	0.4	0.3	0.3	0.3	0.2
		600	1.1	0.7	0.5	0.4	0.4	0.3	0.2	0.2	0.2
		700	0.9	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.2
		1 000	0.7	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1

Afriq Drip Application Rates mm/h

Afriq Drip Application Specifications

APPLICATION RATE MM/H ACROSS AREA

		EMITTER SPACING (CM)								
		20	30	40	50	60	75	90	100	120
1.6 L/H	SPACING BETWEEN DRIPLINE LINES (CM)									
	30	26.7	17.8	13.3	10.7	8.9	7.1	5.9	5.3	4.4
	60	13.3	8.9	6.7	5.3	4.4	3.6	3.0	2.7	2.2
	70	11.4	7.6	5.7	4.6	3.8	3.0	2.5	2.3	1.9
	90	8.9	5.9	4.4	3.6	3.0	2.4	2.0	1.8	1.5
	120	6.7	4.4	3.3	2.7	2.2	1.8	1.5	1.3	1.1
	140	5.7	3.8	2.9	2.3	1.9	1.5	1.3	1.1	1.0
	180	4.4	3.0	2.2	1.8	1.5	1.2	1.0	0.9	0.7
	200	4.0	2.7	2.0	1.6	1.3	1.1	0.9	0.8	0.7
	240	3.3	2.2	1.7	1.3	1.1	0.9	0.7	0.7	0.6
	300	2.7	1.8	1.3	1.1	0.9	0.7	0.6	0.5	0.4
	350	2.3	1.5	1.1	0.9	0.8	0.6	0.5	0.5	0.4
	400	2.0	1.3	1.0	0.8	0.7	0.5	0.4	0.4	0.3
	500	1.6	1.1	0.8	0.6	0.5	0.4	0.4	0.3	0.3
	600	1.3	0.9	0.7	0.5	0.4	0.4	0.3	0.3	0.2
	700	1.1	0.8	0.6	0.5	0.4	0.3	0.3	0.2	0.2
	1 000	0.8	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1
2 L/H	SPACING BETWEEN DRIPLINE LINES (CM)									
	30	33.3	22.2	16.7	13.3	11.1	8.9	7.4	6.7	5.6
	60	16.7	11.1	8.3	6.7	5.6	4.4	3.7	3.3	2.8
	70	14.3	9.5	7.1	5.7	4.8	3.8	3.2	2.9	2.4
	90	11.1	7.4	5.6	4.4	3.7	3.0	2.5	2.2	1.9
	120	8.3	5.6	4.2	3.3	2.8	2.2	1.9	1.7	1.4
	140	7.1	4.8	3.6	2.9	2.4	1.9	1.6	1.4	1.2
	180	5.6	3.7	2.8	2.2	1.9	1.5	1.2	1.1	0.9
	200	5.0	3.3	2.5	2.0	1.7	1.3	1.1	1.0	0.8
	240	4.2	2.8	2.1	1.7	1.4	1.1	0.9	0.8	0.7
	300	3.3	2.2	1.7	1.3	1.1	0.9	0.7	0.7	0.6
	350	2.9	1.9	1.4	1.1	1.0	0.8	0.6	0.6	0.5
	400	2.5	1.7	1.3	1.0	0.8	0.7	0.6	0.5	0.4
	500	2.0	1.3	1.0	0.8	0.7	0.5	0.4	0.4	0.3
	600	1.7	1.1	0.8	0.7	0.6	0.4	0.4	0.3	0.3
	700	1.4	1.0	0.7	0.6	0.5	0.4	0.3	0.3	0.2
	1 000	1.0	0.7	0.5	0.4	0.3	0.3	0.2	0.2	0.2
3.8 L/H	SPACING BETWEEN DRIPLINE LINES (CM)									
	30	63.3	42.2	31.7	25.3	21.1	16.9	14.1	12.7	10.6
	60	31.7	21.1	15.8	12.7	10.6	8.4	7.0	6.3	5.3
	70	27.1	18.1	13.6	10.9	9.0	7.2	6.0	5.4	4.5
	90	21.1	14.1	10.6	8.4	7.0	5.6	4.7	4.2	3.5
	120	15.8	10.6	7.9	6.3	5.3	4.2	3.5	3.2	2.6
	140	13.6	9.0	6.8	5.4	4.5	3.6	3.0	2.7	2.3
	180	10.6	7.0	5.3	4.2	3.5	2.8	2.3	2.1	1.8
	200	9.5	6.3	4.8	3.8	3.2	2.5	2.1	1.9	1.6
	240	7.9	5.3	4.0	3.2	2.6	2.1	1.8	1.6	1.3
	300	6.3	4.2	3.2	2.5	2.1	1.7	1.4	1.3	1.1
	350	5.4	3.6	2.7	2.2	1.8	1.4	1.2	1.1	0.9
	400	4.8	3.2	2.4	1.9	1.6	1.3	1.1	1.0	0.8
	500	3.8	2.5	1.9	1.5	1.3	1.0	0.8	0.8	0.6
	600	3.2	2.1	1.6	1.3	1.1	0.8	0.7	0.6	0.5
	700	2.7	1.8	1.4	1.1	0.9	0.7	0.6	0.5	0.5
	1 000	1.9	1.3	1.0	0.8	0.6	0.5	0.4	0.4	0.3

Afriq Drip Application Specifications

Why is it important to know how long to irrigate?

Because dripline delivers water directly to the soil and forms a bubble of water under the ground, it's difficult to determine how much water the plants are actually getting. By using the mm/hour required for each crop variety, farmers can ensure sufficient irrigation to their crops. The irrigation time can be determined by dividing the required gross crop water requirement with the appropriate application rate.

Irrigation Time Calculation Example

e.g. Information given by the seedling stipulates that a farmer's vegetable seedlings require 25mm of water a week. The farmer's spacing on their field is 30cm between lines and their crop spacing (and thus their emitter spacing) is 30cm. They have 0.8 l/h emitters.

Irrigation Time = Gross Crop Requirement ÷ Specified Application Rate (mm/h above)
IT = 25mm ÷ 8.9 mm/hour (from the tables in previous pages)
IT = 2.8 hours irrigation time a week
OR
Irrigation Time = Gross Crop Requirement x Irrigation Time to apply 1mm (time below)
IT = 25mm x 7 minutes (from the tables below)
IT = 175 minutes to apply 25mm, i.e. 2.9 hours irrigation time a week

IRRIGATION TIME TO APPLY 1 MM ACROSS AREA (HOURS:MINUTES)

			EMITTER SPACING (CM)								
			20	30	40	50	60	75	90	100	120
0.8 L/H	SPACING BETWEEN DRIPLINE LINES (CM)	30	0:05	0:07	0:09	0:11	0:14	0:17	0:20	0:23	0:27
		60	0:09	0:14	0:18	0:23	0:27	0:34	0:41	0:45	0:54
		70	0:11	0:16	0:21	0:26	0:32	0:39	0:47	0:53	1:03
		90	0:14	0:20	0:27	0:34	0:41	0:51	1:01	1:08	1:21
		120	0:18	0:27	0:36	0:45	0:54	1:08	1:21	1:30	1:48
		140	0:21	0:32	0:42	0:53	1:03	1:19	1:35	1:45	2:06
		180	0:27	0:41	0:54	1:08	1:21	1:41	2:01	2:15	2:42
		200	0:30	0:45	1:00	1:15	1:30	1:53	2:15	2:30	3:00
		240	0:36	0:54	1:12	1:30	1:48	2:15	2:42	3:00	3:36
		300	0:45	1:08	1:30	1:53	2:15	2:49	3:23	3:45	4:30
		350	0:53	1:19	1:45	2:11	2:38	3:17	3:56	4:23	5:15
		400	1:00	1:30	2:00	2:30	3:00	3:45	4:30	5:00	6:00
		500	1:15	1:53	2:30	3:08	3:45	4:41	5:38	6:15	7:30
		600	1:30	2:15	3:00	3:45	4:30	5:38	6:45	7:30	9:00
		700	1:45	2:38	3:30	4:23	5:15	6:34	7:52	8:45	10:30
		1 000	2:30	3:45	5:00	6:15	7:30	9:23	11:15	12:30	15:00
1.3 L/H	SPACING BETWEEN DRIPLINE LINES (CM)	30	0:03	0:04	0:06	0:07	0:08	0:10	0:12	0:14	0:17
		60	0:06	0:08	0:11	0:14	0:17	0:21	0:25	0:28	0:33
		70	0:06	0:10	0:13	0:16	0:19	0:24	0:29	0:32	0:39
		90	0:08	0:12	0:17	0:21	0:25	0:31	0:37	0:42	0:50
		120	0:11	0:17	0:22	0:28	0:33	0:42	0:50	0:55	1:06
		140	0:13	0:19	0:26	0:32	0:39	0:48	0:58	1:05	1:18
		180	0:17	0:25	0:33	0:42	0:50	1:02	1:15	1:23	1:40
		200	0:18	0:28	0:37	0:46	0:55	1:09	1:23	1:32	1:51
		240	0:22	0:33	0:44	0:55	1:06	1:23	1:40	1:51	2:13
		300	0:28	0:42	0:55	1:09	1:23	1:44	2:05	2:18	2:46
		350	0:32	0:48	1:05	1:21	1:37	2:01	2:25	2:42	3:14
		400	0:37	0:55	1:14	1:32	1:51	2:18	2:46	3:05	3:42
		500	0:46	1:09	1:32	1:55	2:18	2:53	3:28	3:51	4:37
		600	0:55	1:23	1:51	2:18	2:46	3:28	4:09	4:37	5:32
		700	1:05	1:37	2:09	2:42	3:14	4:02	4:51	5:23	6:28
		1 000	1:32	2:18	3:05	3:51	4:37	5:46	6:55	7:42	9:14

Afriq Drip Irrigation Time 1mm

Afriq Drip Technical Specifications

IRRIGATION TIME TO APPLY 1 MM ACROSS AREA (HOURS:MINUTES)

		EMITTER SPACING (CM)								
		20	30	40	50	60	75	90	100	120
1.6 L/H	SPACING BETWEEN DRIPLINE LINES (CM)									
	30	0:02	0:03	0:05	0:06	0:07	0:08	0:10	0:11	0:14
	60	0:05	0:07	0:09	0:11	0:14	0:17	0:20	0:23	0:27
	70	0:05	0:08	0:11	0:13	0:16	0:20	0:24	0:26	0:32
	90	0:07	0:10	0:14	0:17	0:20	0:25	0:30	0:34	0:41
	120	0:09	0:14	0:18	0:23	0:27	0:34	0:41	0:45	0:54
	140	0:11	0:16	0:21	0:26	0:32	0:39	0:47	0:53	1:03
	180	0:14	0:20	0:27	0:34	0:41	0:51	1:01	1:08	1:21
	200	0:15	0:23	0:30	0:38	0:45	0:56	1:08	1:15	1:30
	240	0:18	0:27	0:36	0:45	0:54	1:08	1:21	1:30	1:48
	300	0:23	0:34	0:45	0:56	1:08	1:24	1:41	1:53	2:15
	350	0:26	0:39	0:53	1:06	1:19	1:38	1:58	2:11	2:38
	400	0:30	0:45	1:00	1:15	1:30	1:53	2:15	2:30	3:00
	500	0:38	0:56	1:15	1:34	1:53	2:21	2:49	3:08	3:45
	600	0:45	1:08	1:30	1:53	2:15	2:49	3:23	3:45	4:30
	700	0:53	1:19	1:45	2:11	2:38	3:17	3:56	4:23	5:15
	1 000	1:15	1:53	2:30	3:08	3:45	4:41	5:38	6:15	7:30
2 L/H	SPACING BETWEEN DRIPLINE LINES (CM)									
	30	0:02	0:03	0:04	0:05	0:05	0:07	0:08	0:09	0:11
	60	0:04	0:05	0:07	0:09	0:11	0:14	0:16	0:18	0:22
	70	0:04	0:06	0:08	0:11	0:13	0:16	0:19	0:21	0:25
	90	0:05	0:08	0:11	0:14	0:16	0:20	0:24	0:27	0:32
	120	0:07	0:11	0:14	0:18	0:22	0:27	0:32	0:36	0:43
	140	0:08	0:13	0:17	0:21	0:25	0:32	0:38	0:42	0:50
	180	0:11	0:16	0:22	0:27	0:32	0:41	0:49	0:54	1:05
	200	0:12	0:18	0:24	0:30	0:36	0:45	0:54	1:00	1:12
	240	0:14	0:22	0:29	0:36	0:43	0:54	1:05	1:12	1:26
	300	0:18	0:27	0:36	0:45	0:54	1:08	1:21	1:30	1:48
	350	0:21	0:32	0:42	0:53	1:03	1:19	1:35	1:45	2:06
	400	0:24	0:36	0:48	1:00	1:12	1:30	1:48	2:00	2:24
	500	0:30	0:45	1:00	1:15	1:30	1:53	2:15	2:30	3:00
	600	0:36	0:54	1:12	1:30	1:48	2:15	2:42	3:00	3:36
	700	0:42	1:03	1:24	1:45	2:06	2:38	3:09	3:30	4:12
	1 000	1:00	1:30	2:00	2:30	3:00	3:45	4:30	5:00	6:00
3.8 L/H	SPACING BETWEEN DRIPLINE LINES (CM)									
	30	0:01	0:01	0:02	0:02	0:03	0:04	0:04	0:05	0:06
	60	0:02	0:03	0:04	0:05	0:06	0:07	0:09	0:09	0:11
	70	0:02	0:03	0:04	0:06	0:07	0:08	0:10	0:11	0:13
	90	0:03	0:04	0:06	0:07	0:09	0:11	0:13	0:14	0:17
	120	0:04	0:06	0:08	0:09	0:11	0:14	0:17	0:19	0:23
	140	0:04	0:07	0:09	0:11	0:13	0:17	0:20	0:22	0:27
	180	0:06	0:09	0:11	0:14	0:17	0:21	0:26	0:28	0:34
	200	0:06	0:09	0:13	0:16	0:19	0:24	0:28	0:32	0:38
	240	0:08	0:11	0:15	0:19	0:23	0:28	0:34	0:38	0:45
	300	0:09	0:14	0:19	0:24	0:28	0:36	0:43	0:47	0:57
	350	0:11	0:17	0:22	0:28	0:33	0:41	0:50	0:55	1:06
	400	0:13	0:19	0:25	0:32	0:38	0:47	0:57	1:03	1:16
	500	0:16	0:24	0:32	0:39	0:47	0:59	1:11	1:19	1:35
	600	0:19	0:28	0:38	0:47	0:57	1:11	1:25	1:35	1:54
	700	0:22	0:33	0:44	0:55	1:06	1:23	1:39	1:51	2:13
	1 000	0:32	0:47	1:03	1:19	1:35	1:58	2:22	2:38	3:09

Afriq Drip Application Specifications

IRRIGATION BLOCK SIZE M² WITH 1M³/H (1 000 L/H) FLOW

			EMITTER SPACING (CM)								
			20	30	40	50	60	75	90	100	120
0.8 L/H	SPACING BETWEEN DRIPLINE LINES (CM)	30	75	113	150	188	225	281	338	375	450
		60	150	225	300	375	450	563	675	750	900
		70	175	263	350	438	525	656	788	875	1 050
		90	225	338	450	563	675	844	1 013	1 125	1 350
		120	300	450	600	750	900	1 125	1 350	1 500	1 800
		140	350	525	700	875	1 050	1 313	1 575	1 750	2 100
		180	450	675	900	1 125	1 350	1 688	2 025	2 250	2 700
		200	500	750	1 000	1 250	1 500	1 875	2 250	2 500	3 000
		240	600	900	1 200	1 500	1 800	2 250	2 700	3 000	3 600
		300	750	1 125	1 500	1 875	2 250	2 813	3 375	3 750	4 500
		350	875	1 313	1 750	2 188	2 625	3 281	3 938	4 375	5 250
		400	1 000	1 500	2 000	2 500	3 000	3 750	4 500	5 000	6 000
		500	1 250	1 875	2 500	3 125	3 750	4 688	5 625	6 250	7 500
		600	1 500	2 250	3 000	3 750	4 500	5 625	6 750	7 500	9 000
		700	1 750	2 625	3 500	4 375	5 250	6 563	7 875	8 750	10 500
		1 000	2 500	3 750	5 000	6 250	7 500	9 375	11 250	12 500	15 000
1.3 L/H	SPACING BETWEEN DRIPLINE LINES (CM)	30	46	69	92	115	138	173	208	231	277
		60	92	138	185	231	277	346	415	462	554
		70	108	162	215	269	323	404	485	538	646
		90	138	208	277	346	415	519	623	692	831
		120	185	277	369	462	554	692	831	923	1 108
		140	215	323	431	538	646	808	969	1 077	1 292
		180	277	415	554	692	831	1 038	1 246	1 385	1 662
		200	308	462	615	769	923	1 154	1 385	1 538	1 846
		240	369	554	738	923	1 108	1 385	1 662	1 846	2 215
		300	462	692	923	1 154	1 385	1 731	2 077	2 308	2 769
		350	538	808	1 077	1 346	1 615	2 019	2 423	2 692	3 231
		400	615	923	1 231	1 538	1 846	2 308	2 769	3 077	3 692
		500	769	1 154	1 538	1 923	2 308	2 885	3 462	3 846	4 615
		600	923	1 385	1 846	2 308	2 769	3 462	4 154	4 615	5 538
		700	1 077	1 615	2 154	2 692	3 231	4 038	4 846	5 385	6 462
		1 000	1 538	2 308	3 077	3 846	4 615	5 769	6 923	7 692	9 231
1.6 L/H	SPACING BETWEEN DRIPLINE LINES (CM)	30	38	56	75	94	113	141	169	188	225
		60	75	113	150	188	225	281	338	375	450
		70	88	131	175	219	263	328	394	438	525
		90	113	169	225	281	338	422	506	563	675
		120	150	225	300	375	450	563	675	750	900
		140	175	263	350	438	525	656	788	875	1 050
		180	225	338	450	563	675	844	1 013	1 125	1 350
		200	250	375	500	625	750	938	1 125	1 250	1 500
		240	300	450	600	750	900	1 125	1 350	1 500	1 800
		300	375	563	750	938	1 125	1 406	1 688	1 875	2 250
		350	438	656	875	1 094	1 313	1 641	1 969	2 188	2 625
		400	500	750	1 000	1 250	1 500	1 875	2 250	2 500	3 000
		500	625	938	1 250	1 563	1 875	2 344	2 813	3 125	3 750
		600	750	1 125	1 500	1 875	2 250	2 813	3 375	3 750	4 500
		700	875	1 313	1 750	2 188	2 625	3 281	3 938	4 375	5 250
		1 000	1 250	1 875	2 500	3 125	3 750	4 688	5 625	6 250	7 500

Afriq Drip 1 000 l/h Flow Block Size

Afriq Drip 1 000 l/h Flow Block Size

Afriq Drip Application Specifications

IRRIGATION BLOCK SIZE M² WITH 1M³/H (1 000 L/H) FLOW

		EMITTER SPACING (CM)								
		20	30	40	50	60	75	90	100	120
2 L/H	SPACING BETWEEN DRIPLINE LINES (CM)									
	30	30	45	60	75	90	113	135	150	180
	60	60	90	120	150	180	225	270	300	360
	70	70	105	140	175	210	263	315	350	420
	90	90	135	180	225	270	338	405	450	540
	120	120	180	240	300	360	450	540	600	720
	140	140	210	280	350	420	525	630	700	840
	180	180	270	360	450	540	675	810	900	1 080
	200	200	300	400	500	600	750	900	1 000	1 200
	240	240	360	480	600	720	900	1 080	1 200	1 440
	300	300	450	600	750	900	1 125	1 350	1 500	1 800
	350	350	525	700	875	1 050	1 313	1 575	1 750	2 100
	400	400	600	800	1 000	1 200	1 500	1 800	2 000	2 400
	500	500	750	1 000	1 250	1 500	1 875	2 250	2 500	3 000
	600	600	900	1 200	1 500	1 800	2 250	2 700	3 000	3 600
	700	700	1 050	1 400	1 750	2 100	2 625	3 150	3 500	4 200
	1 000	1 000	1 500	2 000	2 500	3 000	3 750	4 500	5 000	6 000
3.8 L/H	SPACING BETWEEN DRIPLINE LINES (CM)									
	30	16	24	32	39	47	59	71	79	95
	60	32	47	63	79	95	118	142	158	189
	70	37	55	74	92	111	138	166	184	221
	90	47	71	95	118	142	178	213	237	284
	120	63	95	126	158	189	237	284	316	379
	140	74	111	147	184	221	276	332	368	442
	180	95	142	189	237	284	355	426	474	568
	200	105	158	211	263	316	395	474	526	632
	240	126	189	253	316	379	474	568	632	758
	300	158	237	316	395	474	592	711	789	947
	350	184	276	368	461	553	691	829	921	1 105
	400	211	316	421	526	632	789	947	1 053	1 263
	500	263	395	526	658	789	987	1 184	1 316	1 579
	600	316	474	632	789	947	1 184	1 421	1 579	1 895
	700	368	553	737	921	1 105	1 382	1 658	1 842	2 211
	1 000	526	789	1 053	1 316	1 579	1 974	2 368	2 632	3 158

Afriq Drip Non-PC Technical Specifications

Hazel Williams C Value	Coefficient of Variation CV %	Flow Equation Coefficient	Flow Equation Constant & K	Kd Factor (Emitter Friction)	MIN BAR	MAX BAR
146	4.8	0.48	0.82	0.40	0.6	1

0.15mm & 0.20mm Technical Specifications

0.15mm & 0.20mm W/T DRIP TAPE MAX LATERALS 0.8 L/H

				EMITTER SPACING (CM)								
				20	30	40	50	60	75	90	100	120
0.8 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	87	121	152	180	206	244	278	300	341
			7.5%	100	140	175	208	239	281	321	347	395
			10.0%	111	155	195	231	265	313	357	385	438
			15.0%	129	180	226	269	308	364	416	448	510
			20.0%	144	201	252	300	344	407	463	500	570
	Max Length m @ Eu = 90%	SLOPE	3%	78	94	103	109	112	116	118	119	120
			2%	88	112	128	140	148	158	164	167	172
			1%	99	132	159	182	200	224	243	254	271
			0%	111	155	195	231	265	313	357	385	438
			-1%	133	197	256	305	356	420	484	521	601
			-2%	148	208	264	315	365	434	498	243	216
			-3%	149	211	268	321	154	139	134	132	131
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0015	0.0006	0.0003	0.0002	0.0001	0.0001	0.0001	0	0
			50	0.0117	0.0045	0.0023	0.0015	0.001	0.0006	0.0004	0.0003	0.0002
			75	0.0389	0.015	0.0077	0.0048	0.0032	0.002	0.0014	0.0011	0.0008
			100	0.0916	0.0347	0.0178	0.0111	0.0074	0.0046	0.0032	0.0026	0.0018
			125		0.0668	0.0345	0.0212	0.0142	0.0088	0.006	0.0049	0.0034
			150		0.1154	0.0587	0.036	0.0243	0.0151	0.0103	0.0084	0.0058
			175			0.093	0.0565	0.0377	0.0236	0.0161	0.0131	0.0089
			200				0.0837	0.056	0.0346	0.0238	0.0192	0.0131
			225					0.0793	0.0492	0.0332	0.027	0.0185
			250					0.1078	0.0667	0.0452	0.0367	0.0252
			275						0.088	0.0599	0.0484	0.0333
			300						0.1144	0.0775	0.0624	0.0429
			325							0.0982	0.0789	0.0537
			350								0.098	0.0668
			375									0.0819
			400									0.0992

Afriq Drip 16mm Specifications

0.15mm & 0.20mm Non-PC Technical Specs

0.15mm & 0.20mm W/T DRIP TAPE MAX LATERALS 1.3 & 1.6 L/H

				EMITTER SPACING (CM)								
				20	30	40	50	60	75	90	100	120
1.3 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	64	89	112	133	152	180	205	221	252
			7.5%	74	103	130	154	176	208	238	256	292
			10.0%	82	114	144	171	196	231	264	285	324
			15.0%	95	133	167	199	228	269	307	331	377
			20.0%	106	148	186	222	254	301	343	370	421
	Max Length m @ Eu = 90%	SLOPE	3%	63	79	89	97	101	107	110	112	114
			2%	69	89	105	118	127	138	146	150	157
			1%	75	102	124	143	159	180	198	209	227
			0%	82	114	144	171	196	231	264	285	324
			-1%	95	139	182	225	261	309	354	383	439
			-2%	107	153	194	231	269	318	364	394	451
			-3%	109	155	196	235	271	321	150	142	134
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0035	0.0014	0.0007	0.0005	0.0003	0.0002	0.0001	0.0001	0.0001
			50	0.0275	0.0105	0.0054	0.0034	0.0023	0.0014	0.001	0.0008	0.0005
			75	0.0918	0.0348	0.0179	0.011	0.0074	0.0046	0.0032	0.0026	0.0017
			100		0.0812	0.0414	0.0255	0.017	0.0106	0.0073	0.0059	0.004
			125			0.0804	0.0489	0.0327	0.0202	0.0137	0.0113	0.0077
			150				0.0836	0.056	0.0347	0.0235	0.0191	0.0132
			175					0.0875	0.0542	0.0369	0.0299	0.0203
			200						0.08	0.0547	0.044	0.03
			225						0.1141	0.0765	0.0621	0.0424
			250							0.1047	0.0846	0.0578
			275								0.112	0.0765
			300									0.099
1.6 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	54	76	95	113	129	152	174	188	214
			7.5%	62	87	110	130	149	176	202	217	247
			10.0%	69	97	122	145	166	196	223	241	275
			15.0%	81	112	142	168	193	228	260	281	319
			20.0%	90	126	158	188	216	254	291	314	358
	Max Length m @ Eu = 90%	SLOPE	3%	56	71	82	90	95	101	106	108	112
			2%	60	79	94	106	115	127	136	141	149
			1%	65	88	107	124	139	159	176	186	204
			0%	69	97	122	145	166	196	223	241	275
			-1%	79	115	150	184	217	261	302	326	372
			-2%	88	129	162	196	226	269	308	333	379
			-3%	92	131	166	198	229	271	310	336	145
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0058	0.0022	0.0012	0.0007	0.0005	0.0003	0.0002	0.0002	0.0001
			50	0.0449	0.017	0.0087	0.0055	0.0037	0.0022	0.0015	0.0013	0.0008
			75		0.0567	0.029	0.0178	0.012	0.0075	0.0051	0.0041	0.0028
			100			0.0673	0.0413	0.0274	0.0171	0.0118	0.0095	0.0065
			125				0.0796	0.053	0.0326	0.0221	0.0181	0.0125
			150					0.0911	0.0562	0.0379	0.0308	0.0212
			175						0.088	0.0597	0.0482	0.0326
			200							0.0886	0.0713	0.0484
			225								0.1007	0.0685
			250									0.0935

0.15mm & 0.20mm Non-PC Technical Specs

0.15mm & 0.20mm W/T DRIP TAPE MAX LATERALS 2 & 3.8 L/H

				EMITTER SPACING (CM)								
				20	30	40	50	60	75	90	100	120
2 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	47	65	82	98	112	132	151	163	186
			7.5%	54	76	95	113	130	153	175	188	215
			10.0%	60	84	106	126	144	170	194	209	239
			15.0%	70	97	122	146	167	197	226	244	277
			20.0%	78	109	137	163	187	221	252	272	310
	Max Length m @ Eu = 90%	SLOPE	3%	50	65	76	85	91	99	104	107	112
			2%	53	71	85	97	107	119	129	134	144
			1%	57	77	95	111	125	143	159	169	186
			0%	60	84	106	126	144	170	194	209	239
			-1%	66	95	123	151	178	217	255	275	318
			-2%	72	107	139	167	192	228	263	284	325
			-3%	78	112	140	169	194	232	268	289	332
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0096	0.0037	0.0019	0.0012	0.0008	0.0005	0.0003	0.0003	0.0002
			50	0.0753	0.0283	0.0145	0.009	0.006	0.0037	0.0025	0.0021	0.0014
			75		0.095	0.0482	0.0295	0.0198	0.0123	0.0083	0.0068	0.0046
			100			0.1125	0.0686	0.0454	0.0283	0.0194	0.0156	0.0107
			125					0.0881	0.054	0.0365	0.0299	0.0205
			150						0.0933	0.0626	0.0509	0.035
			175							0.099	0.0798	0.0538
			200								0.1183	0.08
			225									0.1135
3.8 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	31	43	54	64	74	87	99	107	122
			7.5%	35	49	62	74	85	101	115	124	142
			10.0%	39	55	69	83	95	112	128	138	157
			15.0%	46	64	80	96	110	130	149	160	182
			20.0%	51	71	90	107	123	146	166	179	204
	Max Length m @ Eu = 90%	SLOPE	3%	35	46	56	63	70	77	84	87	92
			2%	36	49	60	69	77	88	97	102	112
			1%	38	52	64	76	86	100	112	119	133
			0%	39	55	69	83	95	112	128	138	157
			-1%	42	61	78	95	112	135	158	173	202
			-2%	45	67	87	108	125	151	172	186	214
			-3%	48	72	92	110	127	152	175	188	215
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0302	0.0116	0.0059	0.0037	0.0024	0.0015	0.001	0.0008	0.0005
			50		0.0894	0.0451	0.028	0.0185	0.0113	0.0077	0.0064	0.0042
			75				0.0922	0.0615	0.038	0.0255	0.0208	0.0139
			100						0.0877	0.0597	0.048	0.0326
			125							0.1134	0.0924	0.0629
			150									0.1081

Afriq Drip 16mm Specifications

0.30mm & 0.40mm Non-PC Technical Specs

0.30mm & 0.40mm W/T DRIPLINE MAX LATERALS 0.8 L/H

				EMITTER SPACING (CM)								
				20	30	40	50	60	75	90	100	120
0.8 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	80	112	140	167	191	225	257	276	314
			7.5%	93	129	162	193	221	260	296	320	364
			10.0%	103	144	180	214	245	289	329	355	404
			15.0%	120	167	209	249	285	336	383	413	470
			20.0%	134	186	234	278	318	375	428	462	526
	Max Length m @ Eu = 90%	SLOPE	3%	74	90	100	106	110	114	116	118	119
			2%	83	106	122	135	143	153	160	164	169
			1%	93	124	150	171	189	212	231	242	260
			0%	103	144	180	214	245	289	329	355	404
			-1%	122	180	237	282	328	391	443	481	548
			-2%	137	191	244	291	336	398	458	495	229
			-3%	138	196	247	296	341	145	137	134	132
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0019	0.0008	0.0004	0.0002	0.0002	0.0001	0.0001	0.0001	0
			50	0.0146	0.0057	0.0029	0.0019	0.0012	0.0008	0.0005	0.0004	0.0003
			75	0.0486	0.0187	0.0097	0.006	0.0041	0.0026	0.0017	0.0014	0.001
			100	0.1146	0.0435	0.0224	0.0139	0.0093	0.0059	0.004	0.0033	0.0022
			125		0.0839	0.0434	0.0266	0.0179	0.0111	0.0076	0.0062	0.0043
			150			0.0739	0.0453	0.0306	0.0191	0.013	0.0106	0.0073
			175			0.1172	0.0713	0.0476	0.0298	0.0203	0.0165	0.0112
			200				0.1057	0.0707	0.0438	0.0301	0.0243	0.0166
			225					0.1003	0.0622	0.042	0.0342	0.0234
			250						0.0844	0.0573	0.0465	0.0319
			275						0.1116	0.0759	0.0613	0.0422
			300							0.0983	0.0791	0.0544
			325								0.1001	0.0681
			350									0.0848
			375									0.1041

0.30mm & 0.40mm Non-PC Technical Specs

0.30mm & 0.40mm W/T DRIPLINE MAX LATERALS 1.3 & 1.6 L/H

				EMITTER SPACING (CM)								
				20	30	40	50	60	75	90	100	120
1.3 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	59	82	104	123	141	166	189	204	232
			7.5%	69	95	120	142	163	192	219	236	269
			10.0%	76	106	133	158	181	213	243	262	299
			15.0%	88	123	155	184	211	248	284	306	348
			20.0%	99	137	173	205	235	278	317	341	389
	Max Length m @ Eu = 90%	SLOPE	3%	60	75	86	93	98	104	108	110	113
			2%	65	85	100	112	121	133	141	146	152
			1%	70	95	116	134	149	170	187	197	215
			0%	76	106	133	158	181	213	243	262	299
			-1%	87	127	166	204	242	285	329	356	407
			-2%	98	141	178	215	246	293	334	361	413
			-3%	101	142	181	217	249	296	175	151	138
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0044	0.0017	0.0009	0.0006	0.0004	0.0002	0.0002	0.0001	0.0001
			50	0.0342	0.0131	0.0068	0.0043	0.0029	0.0018	0.0012	0.001	0.0007
			75	0.1149	0.0436	0.0225	0.0139	0.0094	0.0059	0.004	0.0033	0.0022
			100		0.1019	0.052	0.0321	0.0214	0.0134	0.0092	0.0075	0.0051
			125			0.1013	0.0616	0.0413	0.0255	0.0174	0.0143	0.0098
			150				0.1056	0.0707	0.0439	0.0297	0.0242	0.0167
			175					0.1107	0.0686	0.0467	0.0378	0.0257
			200						0.1013	0.0692	0.0558	0.038
			225							0.097	0.0788	0.0537
			250								0.1074	0.0733
			275									0.0972
1.6 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	50	70	88	104	119	141	160	173	197
			7.5%	58	81	102	121	138	163	185	200	228
			10.0%	64	90	113	134	154	181	206	222	253
			15.0%	75	104	131	156	178	211	240	259	295
			20.0%	83	116	146	174	199	235	268	289	329
	Max Length m @ Eu = 90%	SLOPE	3%	52	67	78	86	92	98	104	106	109
			2%	56	74	88	100	110	122	131	135	144
			1%	60	82	100	116	130	149	166	175	192
			0%	64	90	113	134	154	181	206	222	253
			-1%	72	105	136	167	197	241	278	300	341
			-2%	80	120	150	180	208	246	282	306	348
			-3%	86	121	152	183	211	249	286	310	158
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0072	0.0028	0.0015	0.0009	0.0006	0.0004	0.0002	0.0002	0.0001
			50	0.056	0.0213	0.011	0.0069	0.0046	0.0028	0.0019	0.0016	0.0011
			75		0.0712	0.0365	0.0224	0.0151	0.0094	0.0064	0.0052	0.0035
			100			0.0847	0.052	0.0346	0.0216	0.0149	0.012	0.0082
			125				0.1004	0.0669	0.0412	0.028	0.0229	0.0158
			150					0.1152	0.0711	0.0479	0.039	0.0269
			175						0.1116	0.0756	0.0611	0.0413
			200							0.1124	0.0904	0.0613
			225									0.0869

Afriq Drip 16mm Specifications

0.30mm & 0.40mm Non-PC Technical Specs

0.30mm & 0.40mm W/T DRIPLINE MAX LATERALS 2 & 3.8 L/H

				EMITTER SPACING (CM)								
				20	30	40	50	60	75	90	100	120
2 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	44	61	76	91	104	122	140	150	170
			7.5%	50	70	88	105	120	141	161	174	198
			10.0%	56	78	98	116	133	157	179	193	220
			15.0%	65	90	114	135	155	182	208	225	256
			20.0%	72	101	127	151	173	204	232	251	286
	Max Length m @ Eu = 90%	SLOPE	3%	47	61	72	81	88	95	101	104	109
			2%	50	67	80	92	101	113	123	128	138
			1%	53	72	89	104	116	134	149	159	175
			0%	56	78	98	116	133	157	179	193	220
			-1%	60	87	113	138	161	197	230	253	287
			-2%	66	97	129	154	176	211	240	262	299
			-3%	71	103	131	156	179	213	246	267	304
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.012	0.0046	0.0024	0.0015	0.001	0.0006	0.0004	0.0004	0.0002
			50	0.0941	0.0355	0.0182	0.0114	0.0076	0.0047	0.0032	0.0027	0.0017
			75		0.1193	0.0606	0.0371	0.025	0.0156	0.0105	0.0086	0.0058
			100				0.0865	0.0573	0.0357	0.0245	0.0198	0.0135
			125					0.1114	0.0683	0.0462	0.0378	0.0259
			150						0.1183	0.0793	0.0644	0.0443
			175								0.1013	0.0683
			200									0.1016
3.8 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	29	40	50	60	68	80	92	99	113
			7.5%	33	46	58	69	79	93	106	114	130
			10.0%	37	51	64	76	88	104	118	127	145
			15.0%	42	59	74	89	102	120	137	148	168
			20.0%	47	66	83	99	113	134	153	165	188
	Max Length m @ Eu = 90%	SLOPE	3%	33	43	52	60	66	74	80	83	89
			2%	34	46	56	65	73	83	92	97	106
			1%	35	49	60	71	80	93	104	111	124
			0%	37	51	64	76	88	104	118	127	145
			-1%	39	56	72	87	101	123	143	157	184
			-2%	42	61	80	98	116	140	158	171	196
			-3%	44	66	85	102	119	140	161	173	198
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0377	0.0145	0.0074	0.0046	0.003	0.0019	0.0012	0.0011	0.0007
			50		0.1123	0.0567	0.0352	0.0234	0.0143	0.0097	0.0081	0.0053
			75				0.1165	0.0776	0.048	0.0323	0.0263	0.0176
			100						0.1111	0.0756	0.0608	0.0413
			125								0.1174	0.0798

0.60mm, 0.90mm & 1.00mm Non-PC Specs

0.60mm, 0.90mm & 1.00mm W/T DRIPLINE MAX LATERALS 0.8 L/H

0.8 L/H			EMITTER SPACING (CM)								
			20	30	40	50	60	75	90	100	120
Max Length m @ 0% Slope	FLOW VARIATION	5.0%	74	103	129	153	175	206	235	254	288
		7.5%	86	119	150	177	203	239	273	293	334
		10.0%	95	133	166	197	225	266	302	326	371
		15.0%	111	154	193	229	262	309	352	379	432
		20.0%	124	172	215	256	293	345	393	424	482
Max Length m @ Eu = 90%	SLOPE	3%	70	86	96	103	107	113	115	116	119
		2%	78	100	116	129	138	149	156	160	166
		1%	87	116	140	160	178	200	219	230	248
		0%	95	133	166	197	225	266	302	326	371
		-1%	111	163	214	259	301	356	409	443	503
		-2%	125	178	224	268	308	366	419	452	274
		-3%	127	180	226	271	313	155	141	137	133
FRICTION LOSS ACROSS LENGTHS (M)		25	0.0024	0.001	0.0005	0.0003	0.0002	0.0001	0.0001	0.0001	0
		50	0.0185	0.0072	0.0037	0.0024	0.0016	0.001	0.0007	0.0006	0.0004
		75	0.0614	0.0238	0.0124	0.0077	0.0052	0.0033	0.0022	0.0018	0.0012
		100		0.0552	0.0285	0.0177	0.0119	0.0075	0.0052	0.0042	0.0029
		125		0.1067	0.0552	0.034	0.0229	0.0142	0.0097	0.008	0.0055
		150			0.0942	0.0579	0.0391	0.0244	0.0166	0.0135	0.0094
		175				0.0911	0.0609	0.0381	0.0261	0.0212	0.0144
		200					0.0905	0.056	0.0385	0.0312	0.0213
		225						0.0797	0.0538	0.0439	0.0301
		250						0.1083	0.0735	0.0596	0.0409
		275							0.0975	0.0788	0.0542
		300								0.1017	0.07
		325									0.0876
		350									0.1092

Afriq Drip 16mm Specifications

Afriq Drip 16mm Specifications

0.60mm, 0.90mm & 1.00mm Non-PC Tech Specs

0.60mm, 0.90mm & 1.00mm DRIPLINE MAX LATERALS 1.3 & 1.6 L/H

			EMITTER SPACING (CM)								
			20	30	40	50	60	75	90	100	120
1.3 L/H	Max Length m @ 0% Slope	FLOW VARIATION 5.0%	55	76	96	113	130	152	174	187	214
		7.5%	63	88	110	131	150	176	202	217	247
		10.0%	70	98	122	145	166	196	223	241	274
		15.0%	82	114	142	169	194	228	260	281	319
		20.0%	91	127	159	189	217	255	291	313	356
	Max Length m @ Eu = 90%	SLOPE 3%	56	71	82	90	95	101	105	108	112
		2%	61	79	94	106	115	127	136	141	149
		1%	65	88	108	125	140	159	176	186	203
		0%	70	98	122	145	166	196	223	241	274
		-1%	80	116	151	185	218	261	302	326	371
		-2%	89	130	164	197	227	269	308	333	379
		-3%	94	133	167	199	230	272	310	336	145
	FRICTION LOSS ACROSS LENGTHS (M)	25	0.0056	0.0022	0.0011	0.0007	0.0005	0.0003	0.0002	0.0002	0.0001
		50	0.0432	0.0166	0.0086	0.0054	0.0036	0.0022	0.0015	0.0013	0.0008
		75		0.0554	0.0286	0.0177	0.012	0.0075	0.0051	0.0042	0.0028
		100			0.0662	0.0409	0.0273	0.0171	0.0118	0.0096	0.0065
		125				0.0787	0.0527	0.0326	0.0222	0.0183	0.0126
		150					0.0905	0.0562	0.038	0.031	0.0214
		175						0.088	0.0599	0.0485	0.0329
		200							0.0889	0.0716	0.0488
		225								0.1012	0.069
		250									0.0943
1.6 L/H	Max Length m @ 0% Slope	FLOW VARIATION 5.0%	46	64	81	96	110	129	148	159	181
		7.5%	54	75	94	111	127	149	171	184	209
		10.0%	59	83	104	123	141	167	190	204	233
		15.0%	69	96	121	143	164	194	221	238	270
		20.0%	77	107	135	160	184	216	247	266	302
	Max Length m @ Eu = 90%	SLOPE 3%	49	63	74	82	88	95	100	103	107
		2%	53	70	83	95	104	116	124	130	138
		1%	56	76	93	108	122	140	155	164	181
		0%	59	83	104	123	141	167	190	204	233
		-1%	66	96	124	152	178	217	250	275	311
		-2%	73	108	138	165	190	227	258	281	320
		-3%	79	111	141	168	193	230	262	284	324
	FRICTION LOSS ACROSS LENGTHS (M)	25	0.009	0.0036	0.0018	0.0012	0.0008	0.0005	0.0003	0.0003	0.0002
		50	0.0708	0.027	0.0139	0.0088	0.0059	0.0036	0.0025	0.0021	0.0014
		75		0.0905	0.0464	0.0286	0.0193	0.0121	0.0082	0.0067	0.0045
		100			0.1081	0.0664	0.0442	0.0277	0.019	0.0154	0.0105
		125					0.0856	0.0528	0.0358	0.0294	0.0202
		150						0.0912	0.0614	0.05	0.0345
		175							0.0971	0.0785	0.0531
		200								0.1162	0.0788
		225									0.1119

0.60mm, 0.90mm & 1.00mm Non-PC Specs

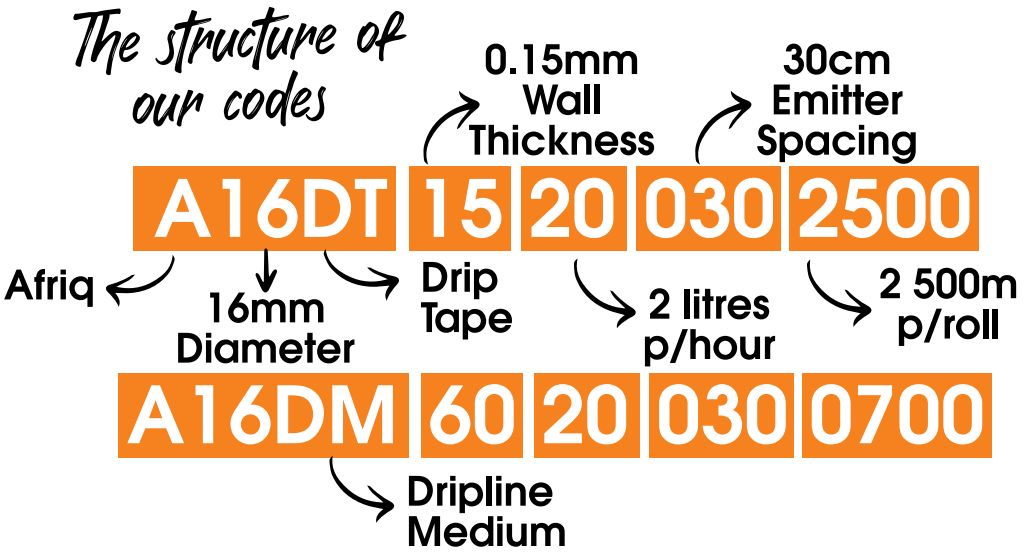
0.60mm, 0.90mm & 1.00mm W/T DRIPLINE MAX LATERALS 2 & 3.8 L/H

			EMITTER SPACING (CM)								
			20	30	40	50	60	75	90	100	120
2 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	40	56	70	83	95	113	128	138	157
			7.5%	46	65	81	96	110	130	149	160	181
			10.0%	52	72	90	107	122	144	165	177	202
			15.0%	60	83	104	124	142	168	192	206	235
			20.0%	67	93	117	139	159	188	213	230	262
	Max Length m @ Eu = 90%	SLOPE	3%	44	58	68	77	83	92	97	100	106
			2%	47	62	75	86	95	107	117	122	132
			1%	49	67	82	96	108	125	140	148	164
			0%	52	72	90	107	122	144	165	177	202
			-1%	55	79	103	125	146	178	208	228	263
			-2%	60	88	116	141	161	193	221	240	274
			-3%	65	95	120	143	165	195	225	243	278
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0151	0.0059	0.0031	0.0019	0.0012	0.0008	0.0005	0.0005	0.0003
			50	0.1191	0.045	0.0231	0.0145	0.0097	0.006	0.0041	0.0034	0.0022
			75			0.0772	0.0474	0.0319	0.0199	0.0135	0.011	0.0074
			100				0.1106	0.0732	0.0457	0.0314	0.0253	0.0173
			125						0.0875	0.0592	0.0485	0.0333
			150							0.1018	0.0827	0.0569
			175									0.0878
3.8 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	26	37	46	55	62	74	85	91	103
			7.5%	30	42	53	63	73	86	97	105	120
			10.0%	34	47	59	70	80	95	108	117	133
			15.0%	39	55	69	82	94	110	126	136	155
			20.0%	44	61	77	91	104	123	140	152	173
	Max Length m @ Eu = 90%	SLOPE	3%	30	40	49	56	62	70	76	79	85
			2%	32	43	52	61	68	77	86	91	100
			1%	33	45	56	66	74	86	96	103	115
			0%	34	47	59	70	80	95	108	117	133
			-1%	36	51	66	79	92	112	130	142	166
			-2%	38	55	72	89	104	125	145	156	178
			-3%	40	60	78	94	109	128	147	159	181
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0476	0.0183	0.0094	0.0059	0.0038	0.0024	0.0016	0.0014	0.0008
			50			0.0722	0.0449	0.0298	0.0182	0.0125	0.0103	0.0068
			75					0.0994	0.0614	0.0413	0.0336	0.0226
			100							0.0971	0.0781	0.053
			125									0.1027

Afriq Drip 16mm Specifications

16mm Non-PC Dripline Prices

REFER TO PAGE 11 FOR ALL SPACING | FLOW | W/T AVAILABLE ON REQUEST
SUBJECT TO CURRENT LEAD TIMES AND PRODUCTION SCHEDULE



16mm 0.15mm Wall Thickness Drip Tape / Disposable Dripline

Seasonal | Disposable | Made to last 3 months or 1 season

	CODE	W/T	L/H	CM SPACING	M P/ROLL	PRICE P/M	REC. RETAIL PRICE P/ROLL
*	A16DT15200202500	0.15mm	2	20	2 500	R 1.29	R 3 225.00
	A16DT15200302500	0.15mm	2	30	2 500	R 1.10	R 2 750.00
*	A16DT15200402500	0.15mm	2	40	2 500	R 1.05	R 2 625.00
*	A16DT15200502500	0.15mm	2	50	2 500	R 1.03	R 2 575.00
	A16DT15200602500	0.15mm	2	60	2 500	R 0.97	R 2 425.00
*	A16DT15200752500	0.15mm	2	75	2 500	R 0.94	R 2 350.00
*	A16DT15200902500	0.15mm	2	90	2 500	R 0.92	R 2 300.00
*	A16DT15201002500	0.15mm	2	100	2 500	R 0.91	R 2 275.00
*	A16DT15201202500	0.15mm	2	120	2 500	R 0.89	R 2 225.00

16mm 0.20mm Wall Thickness Drip Tape / Disposable Dripline

Seasonal | Disposable | Made to last 6 months or 2 seasons

	CODE	W/T	L/H	CM SPACING	M P/ROLL	PRICE P/M	REC. RETAIL PRICE P/ROLL
*	A16DT20200202000	0.20mm	2	20	2 000	R 1.45	R 2 900.00
	A16DT20200302000	0.20mm	2	30	2 000	R 1.31	R 2 620.00
*	A16DT20200402000	0.20mm	2	40	2 000	R 1.21	R 2 420.00
*	A16DT20200502000	0.20mm	2	50	2 000	R 1.20	R 2 400.00
	A16DT20200602000	0.20mm	2	60	2 000	R 1.13	R 2 260.00
*	A16DT20200752000	0.20mm	2	75	2 000	R 1.10	R 2 200.00
*	A16DT20200902000	0.20mm	2	90	2 000	R 1.07	R 2 140.00
*	A16DT20201002000	0.20mm	2	100	2 000	R 1.06	R 2 120.00
*	A16DT20201202000	0.20mm	2	120	2 000	R 1.05	R 2 100.00

Does not include dripline fittings

Afriq Drip 16mm Dripline Price List

16mm 0.30mm Wall Thickness Medium Dripline

Made to last 1 Year

	CODE	W/T	L/H	CM SPACING	M P/ROLL	PRICE P/M	REC. RETAIL PRICE P/ROLL
*	A16DM30200201250	0.30mm	2	20	1 250	R 2.13	R 2 662.50
*	A16DM30200301250	0.30mm	2	30	1 250	R 1.95	R 2 437.50
*	A16DM30200401250	0.30mm	2	40	1 250	R 1.86	R 2 325.00
*	A16DM30200501250	0.30mm	2	50	1 250	R 1.80	R 2 250.00
*	A16DM30200601250	0.30mm	2	60	1 250	R 1.77	R 2 212.50
*	A16DM30200751250	0.30mm	2	75	1 250	R 1.73	R 2 162.50
*	A16DM30200901250	0.30mm	2	90	1 250	R 1.71	R 2 137.50
*	A16DM30201001250	0.30mm	2	100	1 250	R 1.70	R 2 125.00
*	A16DM30201201250	0.30mm	2	120	1 250	R 1.68	R 2 100.00

16mm 0.40mm Wall Thickness Medium Dripline

Made to last 2 Years

	CODE	W/T	L/H	CM SPACING	M P/ROLL	PRICE P/M	REC. RETAIL PRICE P/ROLL
*	A16DM40200201000	0.40mm	2	20	1 000	R 2.60	R 2 600.00
*	A16DM40200301000	0.40mm	2	30	1 000	R 2.42	R 2 420.00
*	A16DM40200401000	0.40mm	2	40	1 000	R 2.33	R 2 330.00
*	A16DM40200501000	0.40mm	2	50	1 000	R 2.28	R 2 280.00
*	A16DM40200601000	0.40mm	2	60	1 000	R 2.24	R 2 240.00
*	A16DM40200751000	0.40mm	2	75	1 000	R 2.20	R 2 200.00
*	A16DM40200901000	0.40mm	2	90	1 000	R 2.18	R 2 180.00
*	A16DM40201001000	0.40mm	2	100	1 000	R 2.17	R 2 170.00
*	A16DM40201201000	0.40mm	2	120	1 000	R 2.15	R 2 150.00

16mm 0.60mm Wall Thickness Medium Dripline

Made to last 4 Years

	CODE	W/T	L/H	CM SPACING	M P/ROLL	PRICE P/M	REC. RETAIL PRICE P/ROLL
*	A16DM60200200700	0.60mm	2	20	700	R 3.34	R 2 338.00
	A16DM60200300700	0.60mm	2	30	700	R 3.17	R 2 219.00
*	A16DM60200400700	0.60mm	2	40	700	R 3.09	R 2 163.00
*	A16DM60200500700	0.60mm	2	50	700	R 3.04	R 2 128.00
	A16DM60200600700	0.60mm	2	60	700	R 3.00	R 2 100.00
*	A16DM60200750700	0.60mm	2	75	700	R 2.97	R 2 079.00
*	A16DM60200900700	0.60mm	2	90	700	R 2.95	R 2 065.00
*	A16DM60201000700	0.60mm	2	100	700	R 2.94	R 2 058.00
*	A16DM60201200700	0.60mm	2	120	700	R 2.92	R 2 044.00

Does not include dripline fittings

Afriq Drip 16mm Dripline Price List

16mm 0.90mm Wall Thickness Heavy Dripline

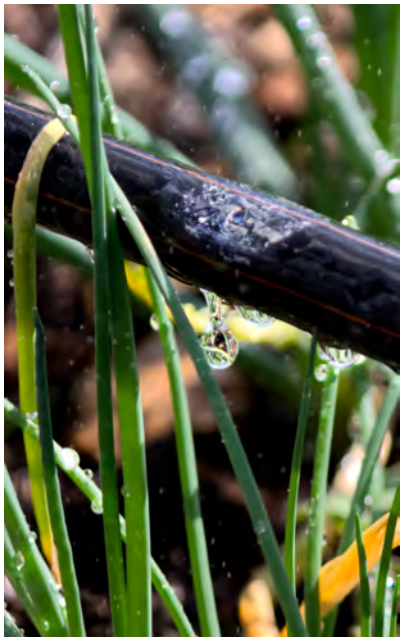
Made to last 5 Years

	CODE	W/T	L/H	CM SPACING	M P/ROLL	PRICE P/M	REC. RETAIL PRICE P/ROLL
*	A16DH90100000500	0.90mm	2	BLANCO	500	R 3.97	R 1 985.00
*	A16DH90200200500	0.90mm	2	20	500	R 4.42	R 2 210.00
	A16DH90200300500	0.90mm	2	30	500	R 4.27	R 2 135.00
*	A16DH90200400500	0.90mm	2	40	500	R 4.19	R 2 095.00
*	A16DH90200500500	0.90mm	2	50	500	R 4.15	R 2 075.00
	A16DH90200600500	0.90mm	2	60	500	R 4.12	R 2 060.00
*	A16DH90200750500	0.90mm	2	75	500	R 4.09	R 2 045.00
*	A16DH90200900500	0.90mm	2	90	500	R 4.07	R 2 035.00
*	A16DH90201000500	0.90mm	2	100	500	R 4.06	R 2 030.00
*	A16DH90201200500	0.90mm	2	120	500	R 4.05	R 2 025.00

16mm 1.00mm Wall Thickness Heavy Dripline

Made to last 5+ Years

	CODE	W/T	L/H	CM SPACING	M P/ROLL	PRICE P/M	REC. RETAIL PRICE P/ROLL
*	A16DH10100000400	1.00mm	2	BLANCO	400	R 4.22	R 1 688.00
*	A16DH10200200400	1.00mm	2	20	400	R 4.63	R 1 852.00
*	A16DH10200300400	1.00mm	2	30	400	R 4.49	R 1 796.00
*	A16DH10200400400	1.00mm	2	40	400	R 4.43	R 1 772.00
*	A16DH10200500400	1.00mm	2	50	400	R 4.39	R 1 756.00
*	A16DH10200600400	1.00mm	2	60	400	R 4.36	R 1 744.00
*	A16DH10200750400	1.00mm	2	75	400	R 4.33	R 1 732.00
*	A16DH10200900400	1.00mm	2	90	400	R 4.31	R 1 724.00
*	A16DH10201000400	1.00mm	2	100	400	R 4.30	R 1 720.00
*	A16DH10201200400	1.00mm	2	120	400	R 4.29	R 1 716.00



Does not include dripline fittings

0.40mm, 0.60mm & 0.90mm Non-PC
Technical Specifications

12mm Dia. DRIPLINE MAX LATERALS 0.8 & 1.3 L/H

				EMITTER SPACING (CM)								
				20	30	40	50	60	75	90	100	120
0.8 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	51	70	87	103	117	137	156	168	191
			7.5%	59	81	100	119	136	159	181	194	221
			10.0%	65	90	112	132	150	176	201	216	245
			15.0%	76	104	130	153	175	206	233	251	286
			20.0%	84	116	145	171	195	230	261	281	318
	Max Length m @ Eu = 90%	SLOPE	3%	53	67	78	86	92	99	104	106	110
			2%	57	74	88	100	109	121	130	135	143
			1%	61	82	100	115	128	147	163	172	190
			0%	65	90	112	132	150	176	201	216	245
			-1%	72	103	133	162	189	230	265	285	328
			-2%	80	118	148	177	203	239	275	295	337
			-3%	85	119	150	179	206	243	278	299	341
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0074	0.003	0.0016	0.001	0.0007	0.0004	0.0003	0.0002	0.0002
			50	0.0574	0.0227	0.012	0.0077	0.0052	0.0032	0.0022	0.0019	0.0012
			75		0.0756	0.0397	0.0248	0.017	0.0107	0.0073	0.006	0.0041
			100			0.092	0.0575	0.0387	0.0245	0.017	0.0138	0.0095
			125				0.1108	0.0748	0.0467	0.032	0.0264	0.0183
			150						0.0805	0.0548	0.0448	0.0311
			175							0.0864	0.0702	0.0478
			200								0.1038	0.071
			225									0.1006
1.3 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	38	52	65	77	88	103	117	126	143
			7.5%	44	61	75	89	101	119	136	146	166
			10.0%	49	67	84	99	113	133	150	162	184
			15.0%	57	78	97	115	131	155	176	189	215
			20.0%	63	87	109	129	147	173	196	211	240
	Max Length m @ Eu = 90%	SLOPE	3%	42	54	64	72	78	86	91	94	100
			2%	44	58	70	80	89	99	108	114	122
			1%	46	63	77	89	100	116	129	137	151
			0%	49	67	84	99	113	133	150	162	184
			-1%	53	76	97	117	136	165	193	210	246
			-2%	58	84	110	132	153	178	206	220	252
			-3%	62	90	112	135	152	181	206	225	256
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0164	0.0066	0.0035	0.0022	0.0015	0.0009	0.0006	0.0005	0.0003
			50		0.0502	0.0263	0.0167	0.0113	0.007	0.0049	0.004	0.0027
			75			0.0879	0.0546	0.0372	0.0234	0.016	0.0131	0.0089
			100					0.0852	0.0537	0.0372	0.0301	0.0207
			125						0.1029	0.0701	0.0577	0.0398
			150								0.0984	0.068
			175									0.1051

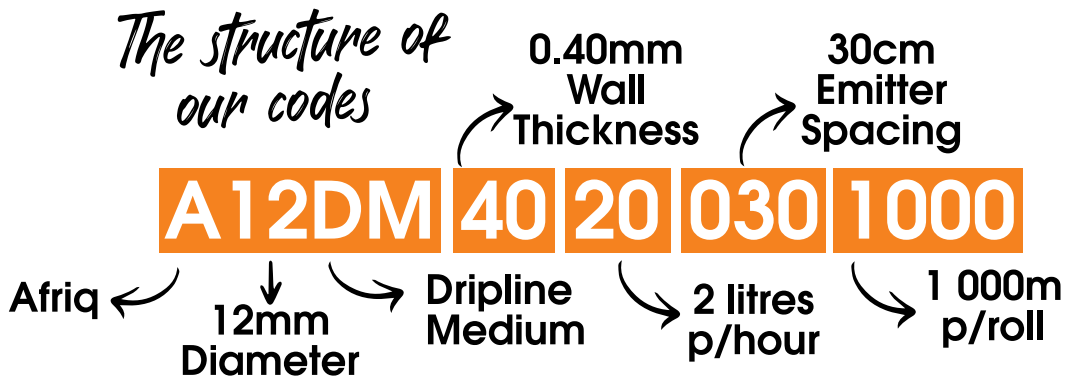
0.40mm, 0.60mm & 0.90mm Non-PC
Technical Specifications

12mm Dia. DRIPLINE MAX LATERALS 1.6, 2 & 3.8 L/H

				EMITTER SPACING (CM)								
				20	30	40	50	60	75	90	100	120
1.6 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	32	44	55	65	74	87	99	107	121
			7.5%	37	51	64	76	86	101	115	124	140
			10.0%	41	57	71	84	95	113	128	138	156
			15.0%	48	66	82	98	112	131	149	160	181
			20.0%	54	74	92	109	124	146	167	179	203
	Max Length m @ Eu = 90%	SLOPE	3%	36	47	56	64	70	77	84	87	92
			2%	38	51	61	70	78	89	97	102	110
			1%	40	54	66	77	86	100	112	119	132
			0%	41	57	71	84	95	113	128	138	156
			-1%	44	63	80	97	113	136	158	172	200
			-2%	48	69	90	110	127	152	172	186	212
			-3%	51	75	95	113	129	154	175	189	216
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0267	0.0107	0.0056	0.0036	0.0023	0.0015	0.001	0.0009	0.0005
			50		0.0819	0.0426	0.027	0.0182	0.0113	0.0078	0.0065	0.0043
			75				0.0886	0.0601	0.0378	0.0257	0.021	0.0143
			100						0.087	0.06	0.0486	0.0333
			125							0.1137	0.0933	0.0642
			150									0.1101
2 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	28	38	48	57	65	76	86	93	106
			7.5%	32	44	56	66	75	88	100	107	122
			10.0%	36	49	62	73	83	98	111	119	136
			15.0%	42	57	72	85	97	113	129	139	157
			20.0%	46	64	80	95	108	127	144	155	176
	Max Length m @ Eu = 90%	SLOPE	3%	32	43	51	58	64	72	78	82	88
			2%	33	45	54	63	70	80	88	93	102
			1%	35	47	58	68	76	89	99	106	119
			0%	36	49	62	73	83	98	111	119	136
			-1%	37	52	67	81	94	112	130	142	164
			-2%	40	57	74	90	105	128	145	159	180
			-3%	42	61	80	97	110	131	149	160	185
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.0445	0.0177	0.0093	0.0059	0.0039	0.0025	0.0016	0.0014	0.0009
			50			0.0708	0.0447	0.03	0.0186	0.0128	0.0107	0.0071
			75					0.0997	0.0624	0.0424	0.0346	0.0235
			100							0.0993	0.0802	0.0548
			125									0.1062
3.8 L/H	Max Length m @ 0% Slope	FLOW VARIATION	5.0%	11	14	18	21	24	30	32	35	39
			7.5%	19	26	33	39	44	53	59	64	72
			10.0%	28	38	48	56	64	75	86	92	104
			15.0%	38	52	65	77	87	103	117	126	143
			20.0%	45	62	77	92	104	122	140	150	170
	Max Length m @ Eu = 90%	SLOPE	3%	25	34	41	47	53	59	65	69	76
			2%	26	35	43	50	56	65	72	76	84
			1%	27	37	45	53	60	70	78	84	94
			0%	28	38	48	56	64	75	86	92	104
			-1%	29	41	52	62	72	86	99	108	124
			-2%	31	44	56	67	78	93	107	116	132
			-3%	32	46	58	71	81	95	109	118	134
	FRICTION LOSS ACROSS LENGTHS (M)		25	0.1419	0.0552	0.0287	0.0181	0.0118	0.0075	0.0049	0.0043	0.0026
			50				0.1398	0.093	0.057	0.0391	0.0325	0.0214
			75							0.1314	0.1068	0.0718
			100									0.1704

12mm Non-PC Dripline Prices

ONLY AVAILABLE ON REQUEST - SUBJECT TO CURRENT LEAD TIMES



12mm 0.40mm Wall Thickness Medium Dripline

Made to last 2 Years

	CODE	W/T	L/H	CM SPACING	M P/ROLL	PRICE P/M	REC. RETAIL PRICE P/ROLL
*	A12DM40200201000	0.40mm	2	20	1 000	R 2.00	R 2 000.00
*	A12DM40200301000	0.40mm	2	30	1 000	R 1.84	R 1 840.00
*	A12DM40200401000	0.40mm	2	40	1 000	R 1.76	R 1 760.00
*	A12DM40200601000	0.40mm	2	60	1 000	R 1.67	R 1 670.00
*	A12DM40200751000	0.40mm	2	75	1 000	R 1.64	R 1 640.00
*	A12DM40200901000	0.40mm	2	90	1 000	R 1.62	R 1 620.00

12mm 0.60mm Wall Thickness Medium Dripline

Made to last 4 Years

	CODE	W/T	L/H	CM SPACING	M P/ROLL	PRICE P/M	REC. RETAIL PRICE P/ROLL
*	A12DM60200200700	0.60mm	2	20	700	R 2.61	R 1 827.00
*	A12DM60200300700	0.60mm	2	30	700	R 2.45	R 1 715.00
*	A12DM60200400700	0.60mm	2	40	700	R 2.37	R 1 659.00
*	A12DM60200600700	0.60mm	2	60	700	R 2.29	R 1 603.00
*	A12DM60200750700	0.60mm	2	75	700	R 2.25	R 1 575.00
*	A12DM60200900700	0.60mm	2	90	700	R 2.23	R 1 561.00

12mm 0.90mm Wall Thickness Heavy Dripline

Made to last 5 Years

	CODE	W/T	L/H	CM SPACING	M P/ROLL	PRICE P/M	REC. RETAIL PRICE P/ROLL
*	A12DH90200200500	0.90mm	2	20	500	R 3.22	R 1 610.00
*	A12DH90200300500	0.90mm	2	30	500	R 3.07	R 1 535.00
*	A12DH90200400500	0.90mm	2	40	500	R 3.00	R 1 500.00
*	A12DH90200500500	0.90mm	2	60	500	R 2.93	R 1 465.00
*	A12DH90200750500	0.90mm	2	75	500	R 2.90	R 1 450.00
*	A12DH90200900500	0.90mm	2	90	500	R 2.88	R 1 440.00

Does not include dripline fittings

IRRIGATION UNLIMITED

made in SA

Afriq Water is the proud manufacturer of Afriq Drip Dripline Fittings. They make a wide range of fittings to fit not only their pipes, but also most pipes available on the market. They offer fittings at low prices, without compromising quality.

Afriq Drip Dripline Fittings

Afriq Water

Afriq Drip Types of Dripline Fittings

Types of Dripline Fittings

Ring Fittings

Use with 0.15mm & 0.20mm W/T light drip tape

Nut Fittings

Use with 0.30mm, 0.40mm & 0.60mm W/T medium drip

Barbed Fittings

Use with 0.90mm & 1.00mm W/T heavy drip

Pipe Perforation Tool

Manually punches a 18mm hole into the LDPE mainline. The tool is easy to use, but very sharp, so beware.

Grooved Sealing Rubbers

Pushed into the hole that was created using the Perforation Tool, to prevent leaks, with an opening of 16mm. Always purchase equal amounts of Rubbers and Off-Take Connectors. Use with minimum 32mm LDPE.

Closed Sealing Rubbers

Pushed into the hole that was created using the Perforation Tool, to seal incorrectly punched holes/old holes. Use with minimum 32mm LDPE.

Off-Take Connectors

Connects dripline and mainline pipes. Inserted into the Sealing Rubber, with dripline pushed into place over the fitting. Available as Mini Valves also.

Couplings

Used to join two pieces of dripline that have been cut/damaged. Dripline is pushed over both sides of the fitting and fastened.

End Plugs

Used to end a line of dripline tightly for a leak-free seal. Dripline is pushed over the fitting and fastened.

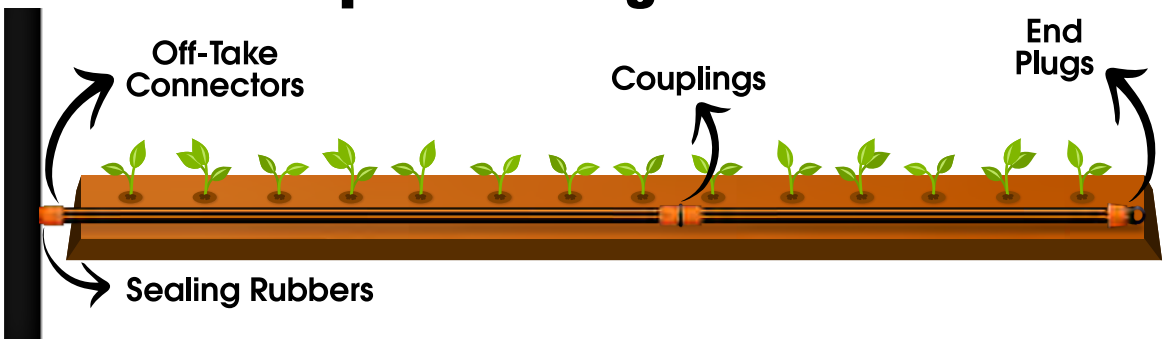
Mini Valves

Used in places where controlling flow by opening/closing water to a line drip is desired. Some Mini Valves are Off-Take Connectors (for an entire line), others are fittings (for sections of a line).

Button Drippers

A 3mm Perforation Tool is used to punch a hole into an LDPE pipe. Button Drippers are inserted into the hole, and can be adjusted to control flow.

Dripline Fitting Prices



Tools & Rubbers

IMAGE	CODE	DESCRIPTION	REC. RETAIL PRICE
	A16MPPT	16mm Mainline LPDE Pipe Perforation Tool	R 71.81
	AOTG16GR	16mm Grooved Sealing Rubber	R 1.83
	AOTG16CL	16mm Closed Sealing Rubber	R 1.93

Off-Take Connectors

IMAGE	CODE	DESCRIPTION	REC. RETAIL PRICE
	AOTC16/17R-L	16mm x 17mm Off-Take Connector with Ring	R 2.40
	AOTC16/17N-M	16mm x 17mm Off-Take Connector with Nut	R 3.67
	AOTC16/16B-H	16mm x 16mm Off-Take Connector Barbed	R 1.41
* 	AOTC16/12B-H	16mm x 12mm Off-Take Connector Barbed	R 1.41
	AMVOTC16/17R-L	16mm x 17mm Mini Valve Off-Take with Ring	R 11.78
	AMVOTC16/17N-M	16mm x 17mm Mini Valve Off-Take with Nut	R 13.42
	AMVOTC16/16B-H	16mm x 16mm Mini Valve Off-Take Barbed	R 10.24

Couplings

IMAGE	CODE	DESCRIPTION	REC. RETAIL PRICE
	ACONR17/17R-L	17mm x 17mm Coupling with Ring	R 3.67
	ACONN17/17N-M	17mm x 17mm Coupling with Nut	R 5.64

Refer to the Irrigation Unlimited Main/Vol. 1 Catalogue for Barbed Couplings

End Plugs

IMAGE	CODE	DESCRIPTION	REC. RETAIL PRICE
	AECR17PLUG-L	17mm End Plug with Ring	R 2.12
	AECN17PLUG-M	17mm End Plug with Nut	R 2.82
	AECB16PLUG-H	16mm End Plug Barbed	R 2.54

Button Drippers

IMAGE	CODE	DESCRIPTION	REC. RETAIL PRICE
	A3MPPT	3mm Perforation Tool with Ejector	R 74.90
	ABUTD2,0PC	On-Line PC Dripper 2 l/h	R 5.46
	ABUTD4,0PC	On-Line PC Dripper 4 l/h	R 5.46
	ABUTD8,0PC	On-Line PC Dripper 8 l/h	R 5.46
* 	ABUTADJ0-70	Dripper with Adjustable Flow 0-70 l/h	R 1.69

IRRIGATION UNLIMITED

made in SA

Afriq Water developed Afriq Drip Dripline Kits, made for everyone from home gardeners, to flower farmers, to commercial vegetable farmers. Made for gardeners, by gardeners.

Afriq Drip Dripline Kits

Afriq Water

Dripline Irrigation Non-PC Kits

Includes everything the end-user and farmers will need to get started with drip, excluding mainline LDPE pipes (40mm recommended).

Mini Garden Kit

Ideal for small vegetable and cut-flower gardens, perfect for raised beds.

Includes:
- 1 x Pipe Perforation Tool
- 25 x Grooved Sealing Rubbers
- 10 x Mini Valve Off-Take Connectors Barbed
- 25 x Off-Take Connectors Barbed
- 10 x Couplings Barbed
- 10 x Tee's Barbed
- 10 x Elbows Barbed
- 25 x End Plugs Barbed
- 100m 0.90mm W/T Non-PC Dripline Roll
  30cm Emitter Spacing | 2 l/h

Excludes filter (recommended) & mainline LDPE

Garden & Veg Kits

Ideal for vegetable- and flower gardens.

Includes:
- 1 x Pipe Perforation Tool
- 1 x 20mm Disc Filter
- 50 x Grooved Sealing Rubbers
- 50 x Off-Take Connectors (nut/barbed)
- 10 x Couplings (nut/barbed)
- 50 x End Plugs (ring/glasses/barbed)
- Dripline Roll 30cm Emitter Spacing | 2 l/h
  950m 0.3mm W/T Non-PC or
  450m 0.6mm W/T Non-PC or
  300m 0.9mm W/T Non-PC

Excludes mainline LDPE

Veggie Kits

Ideal for larger scale gardens and crops.

Includes:
- 1 x Pipe Perforation Tool
- 1 x 20mm Disc Filter
- 50 x Grooved Sealing Rubbers
- 50 x Off-Take Connectors with Ring
- 10 x Couplings with Rings
- 50 x End Plugs with Ring
- Dripline Roll 30cm Emitter Spacing | 2 l/h
  2 500m 0.15mm W/T Non-PCor
  2 000m 0.20mm W/T Non-PC

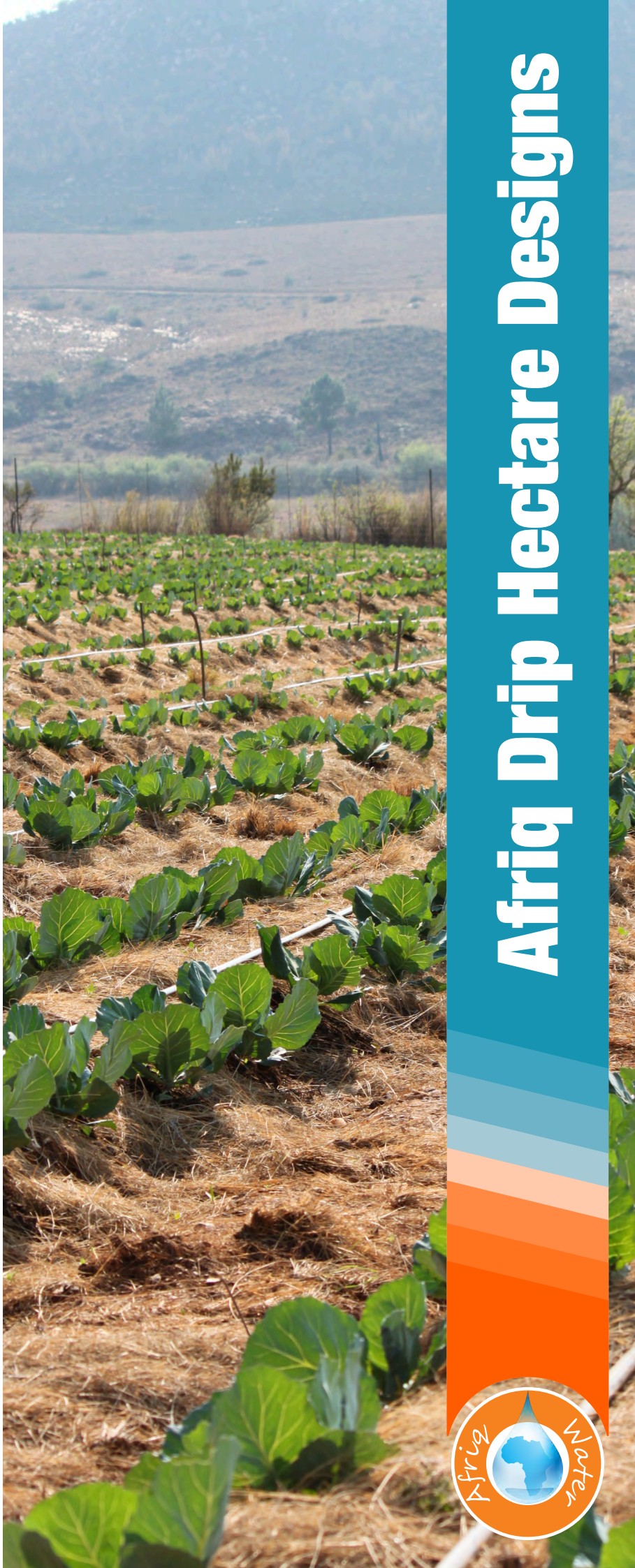
Excludes mainline LDPE

CODE	W/T	LENGTH	LIFETIME *	AREA COVER	REC. RETAIL PRICE
A16DKM9020030100	0.90mm	100m	5 Years	180m^2	R 923.51
A16DK9020030300	0.90mm	300m	5 Years	540m^2	R 1 918.27
A16DK6020030450	0.60mm	450m	3 Years	810m^2	R 2 233.07
A16DK3020030950	0.30mm	950m	2 Years	1 710m^2	R 2 624.07
A16DK20200302000	0.20mm	2 000m	6 Months	3 600m^2	R 3 308.37
A16DK15200302500	0.15mm	2 500m	3 Months	4 500m^2	R 3 438.37

NEW BOX DESIGNS coming soon!

IRRIGATION UNLIMITED

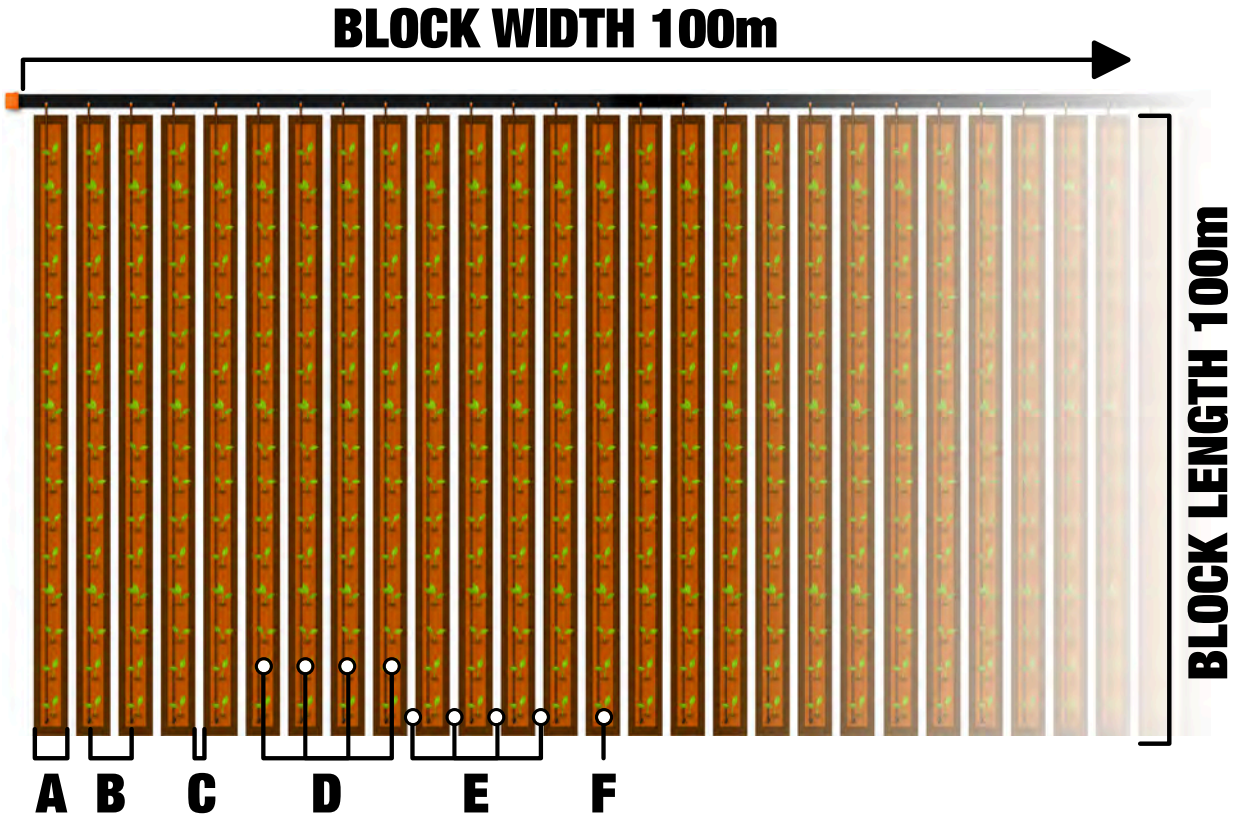
Afriq Drip Hectare Designs



These are just some of the options for *Afriq Drip* Non-PC hectare designs. Always take into consideration max lateral lengths with Non-PC dripline.

Afriq Drip Hectare Design Non-PC Option 1

1 HECTARE DESIGN I 1 LINE P/BED I IDEAL FOR AREAS WITH MORE WATER



A	Bed Widths	60cm
B	Distance between lines	1m
C	Walkway Width	40cm
D	Number of beds	100
E	Number of walkways	99
F	Lines p/bed	1

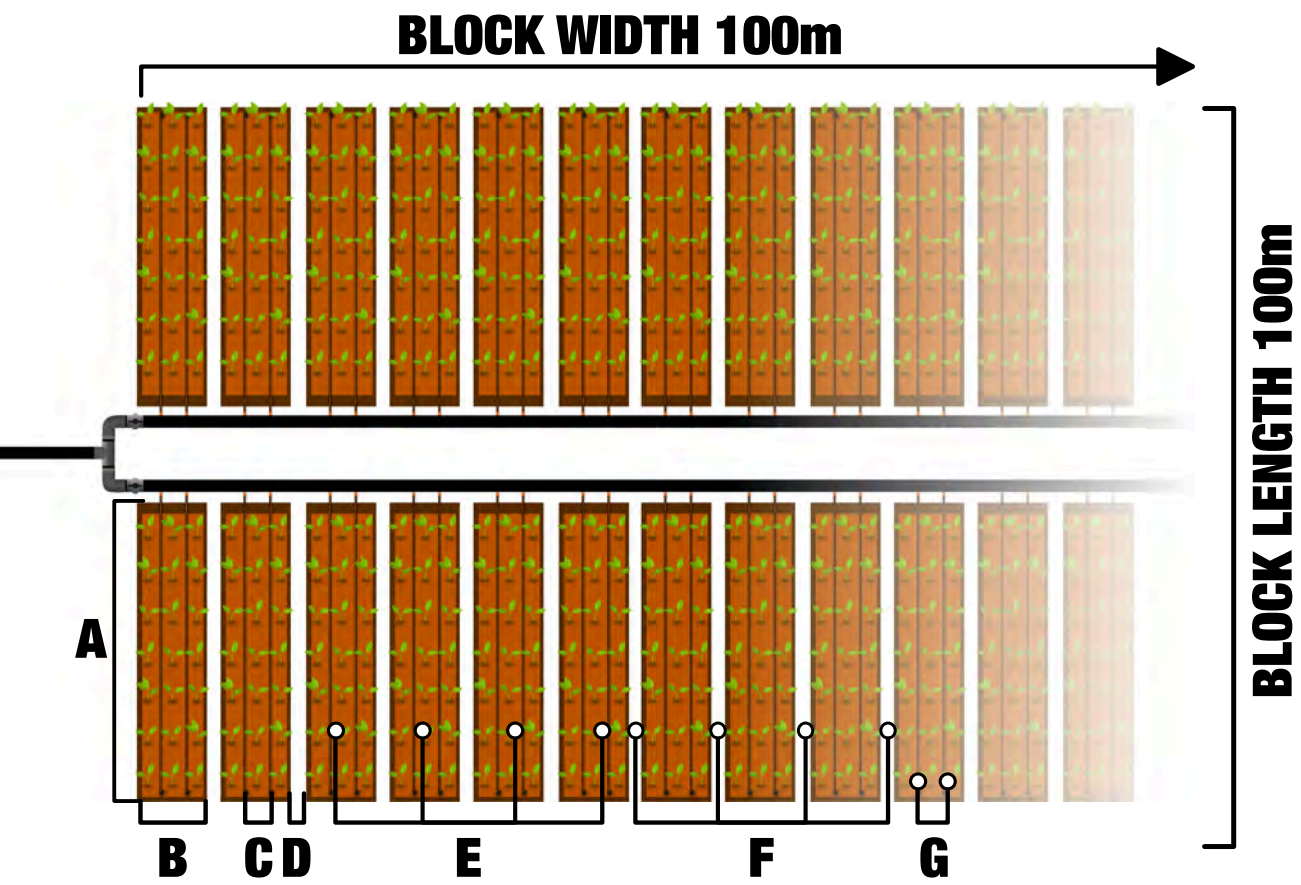
Fittings Required	QTY
Metres LDPE Pipe	100
Perforation Tool	1
Grooved Sealing Rubbers	100
Off-Take Connectors	100
Couplings	50
End Plugs	100
Metres dripline	10 000
130 Micron Filter At least 1 filter after water source & 1 filter before every block	2

*Consider the amount of dripline on each roll & MAX lateral lengths of each variation
0,15mm Wall Thickness comes in rolls of 2 500m, so for this design a farmer requires 4 rolls;
0,20mm Wall Thickness comes in rolls of 2 000m, so for this design a farmer requires 5 rolls;
0,30mm Wall Thickness comes in rolls of 1 250m, so for this design a farmer requires 8 rolls;
0,40mm Wall Thickness comes in rolls of 1 000m, so for this design a farmer requires 10 rolls;
0,60mm Wall Thickness comes in rolls of 700m, so for this design a farmer requires 15 rolls;
0,90mm Wall Thickness comes in rolls of 500m, so for this design a farmer requires 20 rolls;
& 1,00mm Wall Thickness comes in rolls of 400m, so for this design a farmer requires 25 rolls.

Farmers need to choose the litres per hour on their emitters according to their soil requirements, and the spacing between emitters as required by their plant spacing.

Refer to Pages 21 - 29 and Pages 33 - 34 for Max Lateral Lengths

1 HECTARE DESIGN I 1 LINE P/BED I IDEAL FOR AREAS WITH LESS WATER



A	Bed lengths	50m
B	Bed Widths	1m
C	Distance between line in bed	60cm
D	Walkway Width	40cm
E	Number of beds total	66
	Number of beds either side	33
F	Number of walkways total	64
	Number of walkways per side	32
G	Lines p/bed	2

Fittings Required	QTY
Metres LDPE Pipe	200+
Mainline Tee's	1
Mainline Valves	2
Perforation Tool	1
Grooved Sealing Rubbers	132
Off-Take Connectors	132
Couplings	66
End Plugs	132
Metres dripline	6 600
130 Micron Filter At least 1 filter after water source & 1 filter before every block	2

*Consider the amount of dripline on each roll & MAX lateral lengths of each variation
0,15mm Wall Thickness comes in rolls of 2 500m, so for this design a farmer requires 3 rolls;
0,20mm Wall Thickness comes in rolls of 2 000m, so for this design a farmer requires 4 rolls;
0,30mm Wall Thickness comes in rolls of 1 250m, so for this design a farmer requires 6 rolls;
0,40mm Wall Thickness comes in rolls of 1 000m, so for this design a farmer requires 7 rolls;
0,60mm Wall Thickness comes in rolls of 700m, so for this design a farmer requires 10 rolls;
0,90mm Wall Thickness comes in rolls of 500m, so for this design a farmer requires 14 rolls;
& 1,00mm Wall Thickness comes in rolls of 400m, so for this design a farmer requires 17 rolls.

Farmers need to choose the litres per hour on their emitters according to their soil requirements, and the spacing between emitters as required by their plant spacing.

Refer to Pages 21 - 29 and Pages 33 - 34 for Max Lateral Lengths

Afriq Drip Hectare Design Non-PC Option 2

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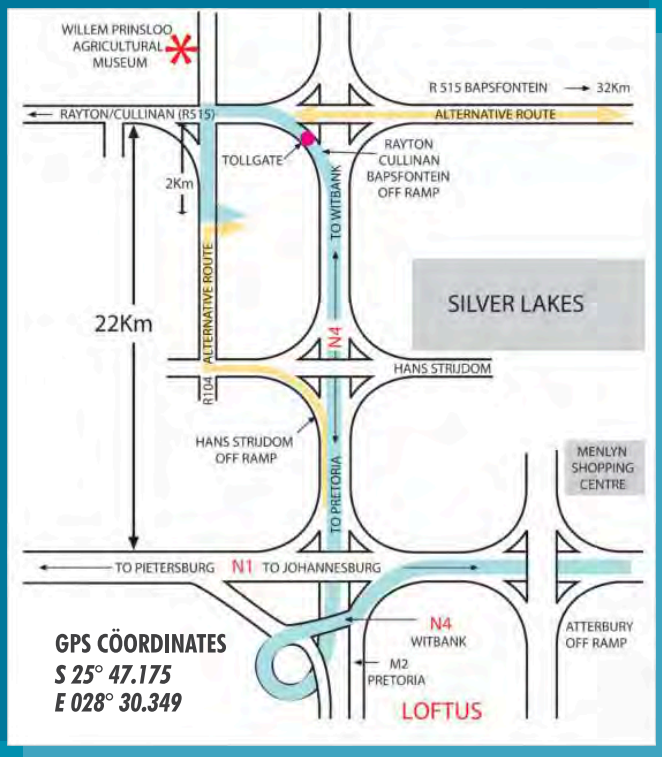

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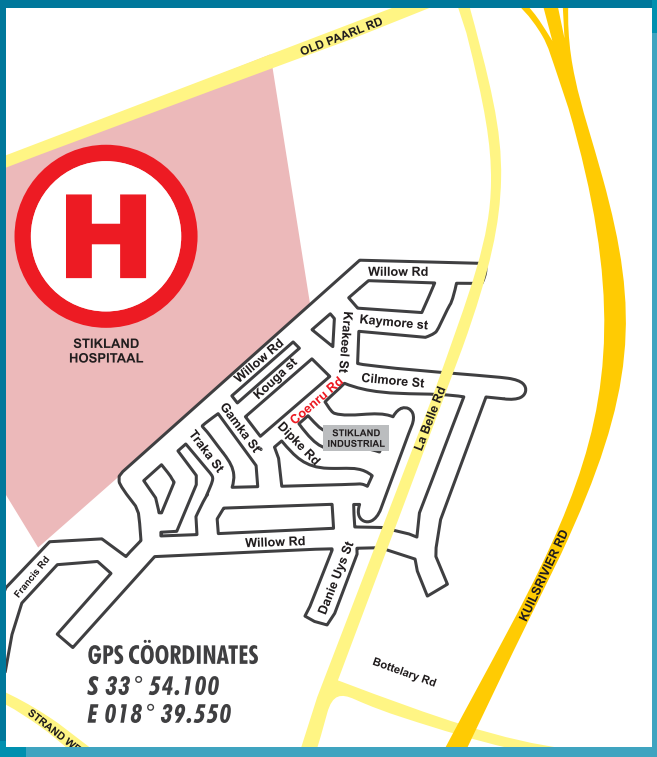

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