



**IRRIGATION  
UNLIMITED**

SINCE 2003

**Product Catalogue & Price List**

**2025**

**QUICK COUPLING  
HDPE SYSTEMS**



**[www.iunlimited.co.za](http://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 / Bronkhorstspuit 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



### 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



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Maps pin

S -23° 53'18.9"  
E 29° 26'13.6"





**IRRIGATION  
UNLIMITED**



**PROUDLY  
DISTRIBUTED  
BY**



**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

## 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% handling 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**

## 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:** SBZAJJ

## 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**



*Afriq Water*  
developed  
*Afriq*  
*Irripipe*  
Quick  
Coupling  
HDPE  
sprinkler  
systems as a  
versatile,  
durable,  
affordable  
alternative to  
steel pipe  
systems.



**Afriq Irripipe Quick Coupling HDPE**





## Quick Coupling HDPE Definitions

### Quick Coupling HDPE

#### Sprinkler Irrigation

An affordable alternative to steel pipe sprinkler systems. A system made from 6m HDPE pipes, with female and male heads friction-welded to the ends of the pipes. Plastic fittings are used instead of metal ones, reducing costs drastically. The system is modular, with quick coupling latch systems used to connect pipes and fittings together.

### HDPE Pipes

High-Density Poly Ethylene Pipes - very thick and strong pipes, made to handle up to 6 BAR safely.

### Latch System

Male fittings come with latches on either side, which grip onto female fittings.

### Diameter

The measurement from one side of the pipe to the other, on the outside in mm. Available in 50mm, 63mm, 75mm, 90mm, 110mm and 160mm available on request.

## Quick Coupling HDPE Uses

- ◆ Supply water to tri-pods using draglines
- ◆ Water transportation
- ◆ Distribute water-soluble fertilizer
- ◆ Preparing areas for seed germination
- ◆ Wash salt, insects etc. from crops
- ◆ Climate control
- ◆ Frost mitigation
- ◆ Fire prevention
- ◆ Plant propagation
- ◆ Sprinkler Irrigation

## Quick Coupling HDPE Manufacturing

Manufactured on-site at Afriq Water's premises and distributed from Irrigation Unlimited's warehouse. Fittings and heads are friction welded to HDPE pipes made from durable, robust plastic materials. Fittings are made from the 2<sup>nd</sup> most UV-Resistant colour, high-visibility orange, and are extremely durable.





## Quick Coupling HDPE Benefits

**A reliable, durable, cost-effective alternative to wasteful, costly, and labour-intensive irrigation systems.**

### Benefits



Lightweight and easy to move; irrigate a field by moving one line where needed



Two latches ensure a quick, hassle-free connection and release, and easy assembly



Fittings friction-welded to pipe and connection sealed with a lip seal



Ideal for almost all topographies



Impact resistant and super durable



Modular system, customisable

### Compatibility

The system can be used to support other irrigation systems e.g. dragline, or on its own as a sprinkler system or as a mainline for water transportation.

### System Design

The system consists of HDPE pipes, normally 6m lengths (Afriq Water can manufacture in various pipe lengths) which are friction-welded and sealed with a lip seal to bright orange quick coupling latch fittings, ideal for almost all topographical conditions.

### Durability

The smooth interior ensures low friction loss, increasing efficiency. Made to last in all climate conditions, from harsh frozen winters to extremely hot summers. UV-protected and extremely durable, Southern African harsh weather conditions and direct sunlight pose no challenge for this unique product.

### Moveability

A line of the system can be moved and assembled single-handedly as it is made from lightweight HDPE.



**Afriq Irripipe Quick Coupling HDPE Benefits**





## Fittings & Installation

Quick Coupling HDPE Systems are modular - meaning that you can build a system that suits your needs, whether that is a straight line or a block that suits a specific purpose.

Technical Specs	MAX BAR
6m HDPE Pipes	6
Orange Fittings 50mm - 90mm	4.5
Orange Fittings 110mm - 160mm	6



### Female Adaptor

Connects to the valve to start the line of Quick Coupling pipes. Due to the lip-sealing method of this system, a female adaptor is used at the start of the line.



### HDPE 6m Quick Coupling Pipes

6m HDPE Pipes with male and female fittings on either side of the pipe, friction-welded on. Various pipe sizes are available, determined by the flow rate. Two pipes of 6m are used between each hydrant set, to get to 12m.



### Sprinkler Riser Coupling

A foot piece that latches onto the pipes. The riser pipe is screwed into the top. This piece keeps the sprinkler system itself upright and stable. All Sprinkler Riser Coupling diameters have a 25mm outlet on top.



### Riser Pipes

Screwed into the top of the hydrant, this pipe determines how high above your crop your sprinkler will spray.



### Specialised Fittings

Sometimes, depending on the design, Tee's, Reducers, Crosses, etc., all specialised fittings, are required.



### Male End Caps

Used to end the line of Quick Coupling.







# Quick Coupling HDPE Pipe Friction Loss

Afrیق Irripipe Quick Coupling HDPE Tables

## FRICION LOSS AS % OF LENGTH (PIPES NO OUTLETS)

PIPE SIZE (mm)	FLOW IN M <sup>3</sup> P/H																									
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
50	0.7	1.3	1.9	2.7	3.6	4.6	5.8	7.0	8.4	9.8	11.4	13.1	14.9													
63						0.9	1.2	1.5	1.9	2.3	2.7	3.2	3.7	4.3	4.9	5.5	6.2	6.9	7.6	8.4	9.1	10.0	10.8	11.7		
75						0.7	0.8	1.0	1.2	1.4	1.6	1.9	2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.3	4.7	5.1	5.5	5.9		
90													0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.8	2.0	2.1	2.3	2.5		
110																		0.6	0.6	0.7	0.7	0.8	0.9	0.9		
	27	28	29	30	31	32	33	34	35	36	37	38	40	42	44	46	48	50	53	55	58	60	65	70		
75	6.3	6.8	7.2	7.7	8.2	8.7	9.2	9.7	10.2	10.8	11.4	11.9	13.1													
90	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.1	4.3	4.5	4.7	5.0	5.5	6.0	6.6	7.1	7.7	8.3	9.3	9.9	11.0	11.7	13.6	15.6		
110	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.9	2.1	2.3	2.5	2.7	3.0	3.2	3.6	3.8	4.2	4.5	5.2	6.0		
160																		0.5	0.6	0.6	0.7	0.8	0.9	1.0		
	75	80	85	90	95	100	110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360		
110		7.7	8.6	9.6	10.6	11.7																				
160	1.2	1.3	1.5	1.6	1.8	2.0	2.4	2.8	3.2	3.7	4.2	4.8	5.4	6.0	6.6	7.3	8.7	10.2	11.9	13.7	15.6					

## MAX SPRINKLER LINE LENGTH

### ACCORDING TO NOZZLE, NOZZLE PRESSURE, AND 20% PRESSURE LOSS

PERCIPITATION RATE (MM/HR) ON INDICATED SPACING																				
SPACING 12x12m	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	-	-	-	-	-	-	-	-	
SPACING 12x18m	4	5	6	7	8	9	10	11	12	13	14	5	6	7	8	9	10	11	12	14
CAPACITY M <sup>3</sup> /H	0.86	1.08	1.30	1.51	1.73	1.94	2.16	2.38	2.59	2.81	3.02	1.62	1.94	2.27	2.59	2.92	3.24	3.56	3.89	4.54
NOZZLE (INCH)	9/64	5/32	9/64 x 3/32	5/32 x 3/32	11/6 x 3/32	3/16 x 3/32	3/16 x 1/8	3/16 x 1/8	13/64 x 1/8	7/32 x 1/8	7/32 x 1/8	5/32 x 3/32	3/16 x 3/32	3/16 x 1/8	13/16 x 1/8	7/32 x 1/8	15/64 x 1/8	1/4 x 1/8	1/4 x 1/8	9/32 x 1/8
NOZZLE (mm)	3.6	4.0	3.6 x 2.4	4.0 x 2.4	4.4 x 2.4	4.8 x 2.4	4.8 x 3.2	4.8 x 3.2	5.2 x 3.2	5.6 x 3.2	5.6 x 3.2	4.0 x 2.4	4.8 x 2.4	4.8 x 3.2	20.6 x 3.2	5.6 x 3.2	6 x 3.2	6.4 x 3.2	6.4 x 3.2	7.1 x 3.2
PRESSURE kPa	300	310	320	320	320	310	280	340	320	300	360	380	310	310	320	320	350	320	390	360
PIPE SIZE	MAX LENGTH OF LINE (M) FOR INDICATED PIPE SIZE																			
(mm)	20% PRESSURE LOSS WITH NO SLOPE																			
50	162	216	192	174	156	144	132	132	120	108	114	150	114	114	96	96	96	78	78	78
63	246	222	198	174	162	150	126	126	126	114	114	222	186	168	150	150	132	132	132	114
75	330	294	258	234	210	198	174	174	162	150	150	312	258	222	204	186	186	168	168	150
90	462	402	354	318	294	270	246	246	222	210	210	420	348	312	294	258	258	240	240	204
110	642	558	498	450	414	378	342	342	318	294	294	600	492	438	402	384	366	330	330	294

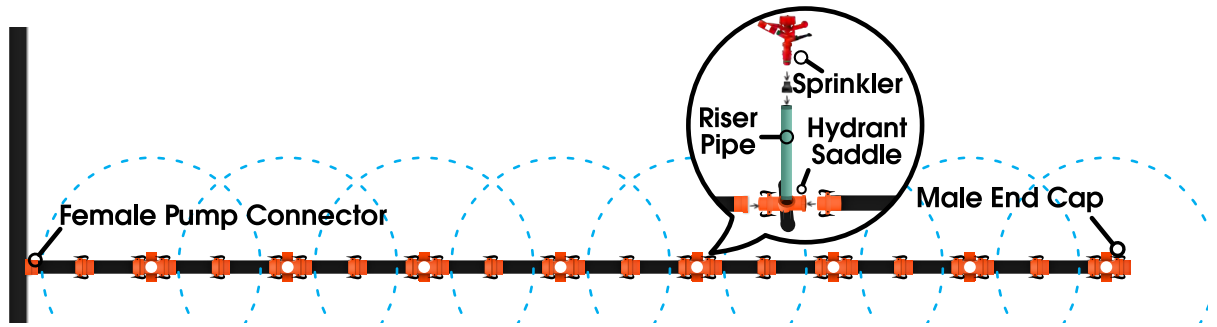
If for example you need the friction loss of a 90mm pipe for 24m<sup>3</sup> p/h flow

*Understanding our tables*

PIPE SIZE (mm)	FLOW IN M <sup>3</sup> P/H																									
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
50	0.7	1.3	1.9	2.7	3.6	4.6	5.8	7.0	8.4	9.8	11.4	13.1	14.9													
63						0.9	1.2	1.5	1.9	2.3	2.7	3.2	3.7	4.3	4.9	5.5	6.2	6.9	7.6	8.4	9.1	10.0	10.8	11.7		
75						0.7	0.8	1.0	1.2	1.4	1.6	1.9	2.1	2.4	2.7	3.0	3.3	3.6	4.0	4.3	4.7	5.1	5.5	5.9		
90													0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.8	2.0	2.1	2.3	2.5		
110																		0.6	0.6	0.7	0.7	0.8	0.9	0.9		

- Want to know the pipe size to use if 12 sprinklers are used on 12m spacing, at 2.59 m<sup>3</sup>/h each?
- 1) Work out your desired length (i.e. 12 x 12 = 144)
  - 2) Look under capacity 2.59 m<sup>3</sup>/h and look for a larger number of pipes than your requirement. In this case, it is 162 pipes for the 75mm pipe, which would be your recommended pipe dia.





## Quick Coupling HDPE Prices

### Quick Coupling HDPE PE100 PN6 6m Pipe Lengths

IMAGE	CODE	OUTSIDE DIAMETER	INSIDE DIAMETER	REC. RETAIL PRICE
	IP050	50mm	46.39mm	R 213.29
	IP063	63mm	58.45mm	R 317.82
	IP075	75mm	69.58mm	R 428.12
	IP090	90mm	83.49mm	R 614.33

**110mm (ID 102mm) and 160mm (ID 148.43mm) Quick Coupling HDPE 6m Lengths and fittings POR**

### Female Adaptor (Female x Female Threaded)

IMAGE	CODE	DIAMETER	REC. RETAIL PRICE
	IPFAP050	50mm	R 29.91
	IPFAP063	63mm	R 42.82
	IPFAP075	75mm	R 53.02
	IPFAP090	90mm	R 87.68

### Female Adaptor (Female x Male Threaded)

*		IPFAS090	90mm	R 220.78
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### Male Adaptor (Male x Female Threaded)

IMAGE	CODE	DIAMETER	REC. RETAIL PRICE
	IPMAP050	50mm	R 48.09
	IPMAP063	63mm	R 58.35
	IPMAP075	75mm	R 73.74
	IPMAP090	90mm	R 103.24

### Male Adaptor (Male x Male Threaded)

*		IPMAS090	90mm	R 218.67
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### Sprinkler Riser Coupling

IMAGE	CODE	DIAMETER	REC. RETAIL PRICE	
	IPROC050	50mm x 25mm Outlet	R	52.02
	IPROC063	63mm x 25mm Outlet	R	62.69
	IPROC075	75mm x 25mm Outlet	R	93.11
	IPROC090	90mm x 25mm Outlet	R	120.81



**Refer to the Irrigation Unlimited Main/Vol.1 Catalogue for Riser Pipes**

### Elbows

IMAGE	CODE	DIAMETER	REC. RETAIL PRICE	
	IPB050	50mm	R	85.18
	IPB063	63mm	R	101.80
	IPB075	75mm	R	136.43
	IPB090	90mm	R	209.84

### Tee's

IMAGE	CODE	DIAMETER	REC. RETAIL PRICE	
	<b>EQUAL TEE'S</b>			
	IPET050	50mm x 50mm	R	64.19
	IPET063	63mm x 63mm	R	82.53
	IPET075	75mm x 75mm	R	141.08
	IPET090	90mm x 90mm	R	268.75
	<b>REDUCING TEE'S</b>			
	IPRT075063	75mm x 63mm	R	126.97
	IPRT090075	90mm x 75mm	R	229.25


### Reducing Couplings

IMAGE	CODE	DIAMETER	REC. RETAIL PRICE	
	IPR063050	63mm x 50mm	R	52.90
	IPR075063	75mm x 63mm	R	80.41
	IPR090075	90mm x 75mm	R	129.08







## Crosses

IMAGE	CODE	DIAMETER	REC. RETAIL PRICE	
	<b>EQUAL CROSS</b>			
	IPEC050	50mm x 50mm	R	76.18
	IPEC063	63mm x 63mm	R	94.52
	IPEC075	75mm x 75mm	R	174.23
	IPEC090	90mm x 90mm	R	341.40
	<b>REDUCING CROSS</b>			
	IIRC075063	75mm x 63mm	R	145.31
IIRC090075	90mm x 75mm	R	264.52	


## Female End Caps

IMAGE	CODE	DIAMETER	REC. RETAIL PRICE	
	IPFC050	50mm	R	23.98
	IPFC063	63mm	R	28.34
	IPFC075	75mm	R	42.51
	IPFC090	90mm	R	73.36

## Male End Plugs

IMAGE	CODE	DIAMETER	REC. RETAIL PRICE	
	IPMP050	50mm	R	30.78
	IPMP063	63mm	R	34.63
	IPMP075	75mm	R	61.56
	IPMP090	90mm	R	81.57

## Lip Seals

IMAGE	CODE	DIAMETER	REC. RETAIL PRICE	
	IPLS050	50mm	R	5.84
	IPLS063	63mm	R	5.77
	IPLS075	75mm	R	7.70
	IPLS090	90mm	R	8.85





These are just some of the options for *Afriq Water's* Irriripipe hectare designs.

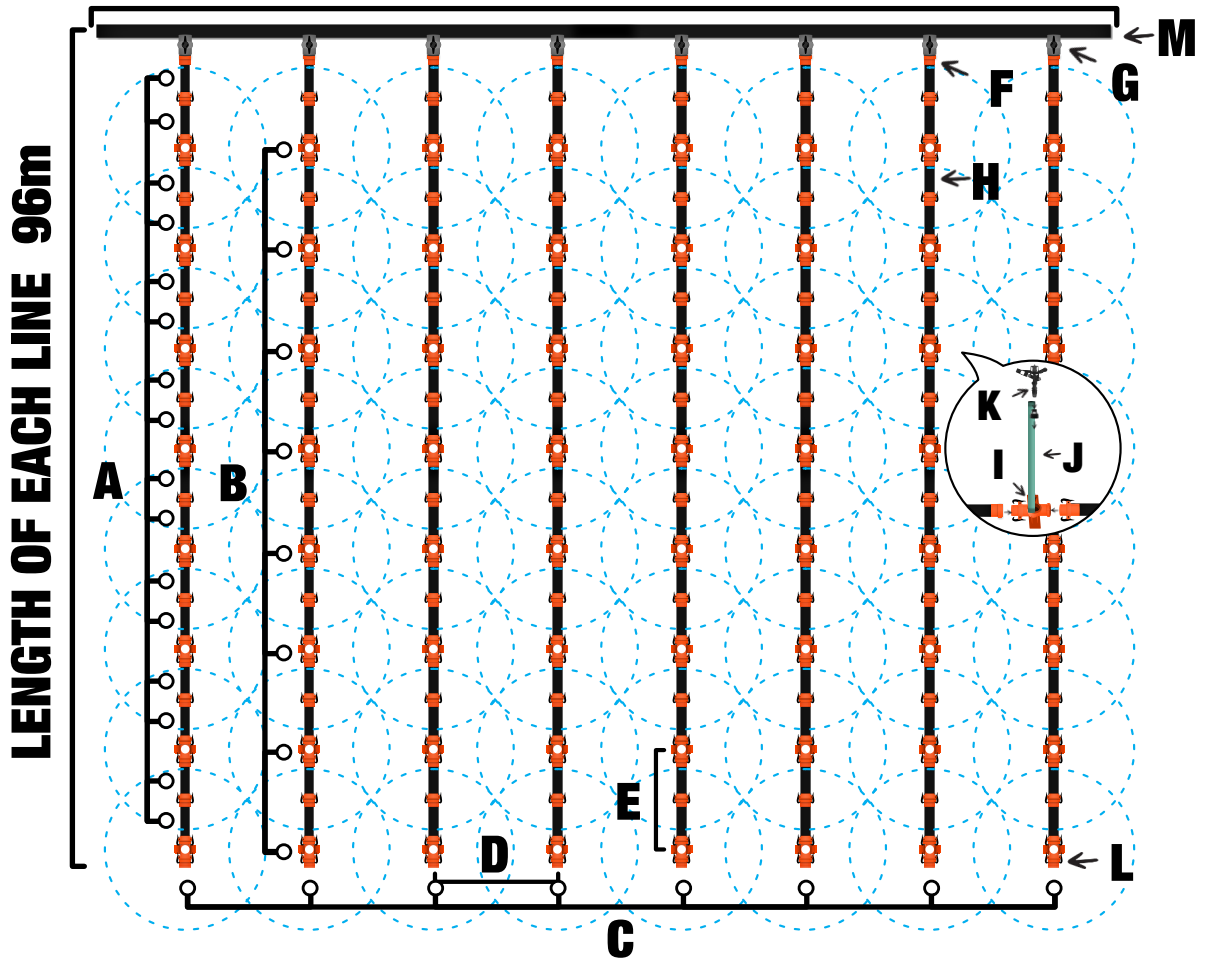


**Afriq Irriripipe Hectare Designs**



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

**WIDTH OF BLOCK 100m**



<b>A</b>	Pipes p/line	16
<b>B</b>	Sprinkler sets p/line	8
<b>C</b>	Lines p/block	8
<b>D</b>	Distance between lines	12m
<b>E</b>	Distance between sets	12m

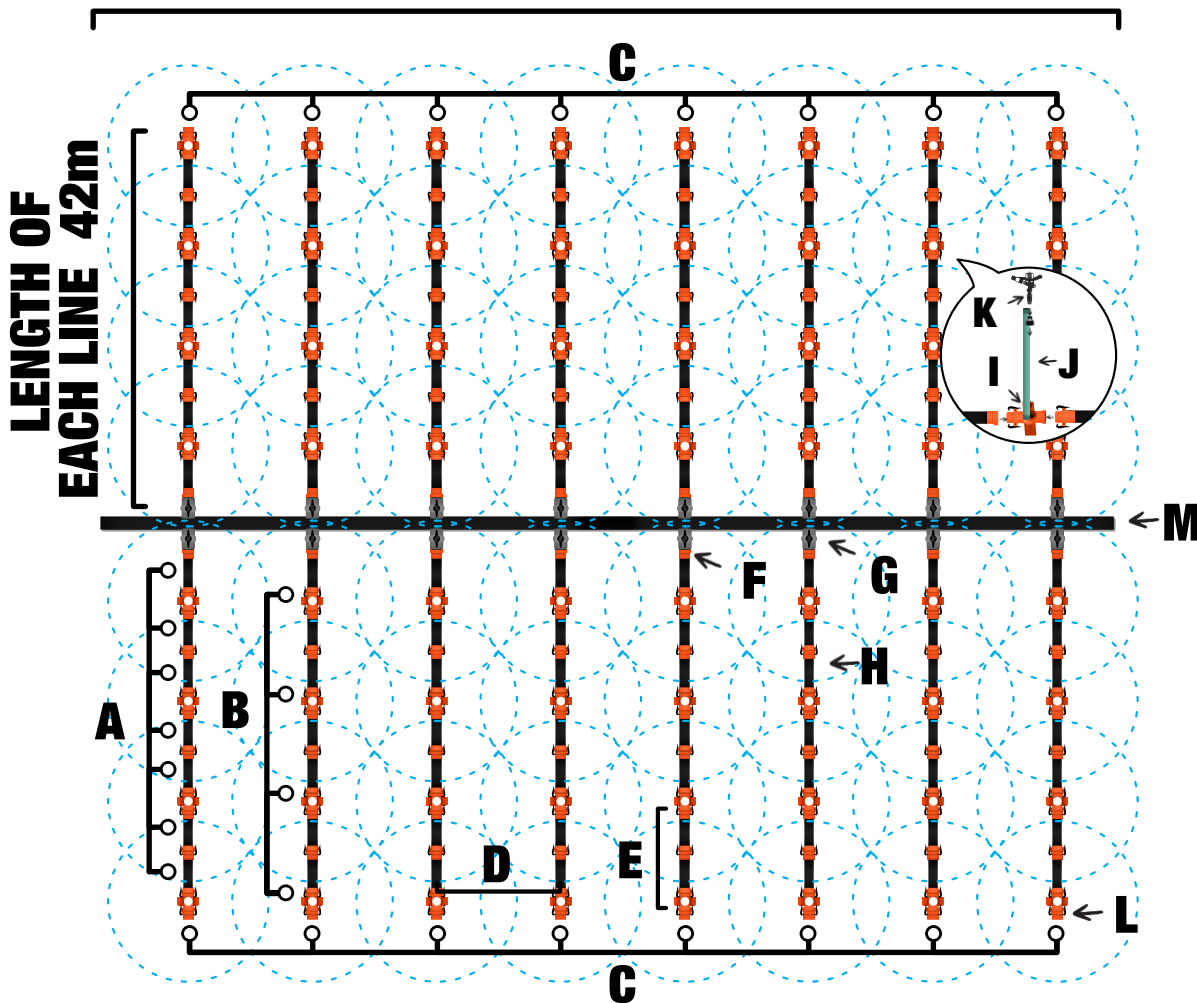
	<b>Fittings Required</b>	<b>QTY</b>
<b>F</b>	Female Pump Connectors	8
<b>G</b>	Valves	8
<b>H</b>	HDPE Class 6 Pipes	136
<b>I</b>	Sprinkler Riser Couplings	64
<b>J</b>	PVC Riser Pipes	64
<b>K</b>	Sprinklers	64
<b>L</b>	Male End Cap Fittings	8
<b>M</b>	Metres mainline	100
	130 Micron Filter	
	At least 1 filter after water source & 1 filter before every block	2+

**Sprinkler Rows required (X) = Width of block/12**  
 $X = 100/12$   
**X = 8 Sprinkler Rows for a 100m block width**

**Sprinkler Sets p/row required (X) = Length of row/12**  
 $X = 100/12$   
**X = 8 Sprinkler Sets p/row of 100m**

12m is used as a standard when determining spacing between lines and sprinklers, as the pipes come standard in 6m lengths, and the sprinklers have a radius of 12-16m.



**1 HECTARE DESIGN | 1 LINE P/BED | IDEAL FOR AREAS WITH LESS WATER**
**WIDTH OF BLOCK 100m**


<b>A</b>	Pipes p/line	7
<b>B</b>	Sprinkler sets p/line	4
<b>C</b>	Amount of lines per side	8
	Amount of lines total	16
<b>D</b>	Distance between lines	12m
<b>E</b>	Distance between sets	12m

	Fittings Required	QTY
<b>F</b>	Female Pump Connectors	16
<b>G</b>	Valves	16
<b>H</b>	HDPE Class 6 Pipes	112
<b>I</b>	Sprinkler Riser Couplings	64
<b>J</b>	PVC Riser Pipes	64
<b>K</b>	Sprinklers	64
<b>L</b>	Male End Cap Fittings	16
<b>M</b>	Metres mainline	100
	130 Micron Filter	
	At least 1 filter after water source & 1 filter before every block	2+

Sprinkler Rows required (X) = Width of block/12  
 $X = 100/12$   
**X = 8 Sprinkler Rows for a 100m block width**

Sprinkler Sets p/row required (X) = Length of row/12  
 $X = 100/12$   
**X = 8 Sprinkler Sets p/row of 100m**

12m is used as a standard when determining spacing between lines and sprinklers, as the pipes come standard in 6m lengths, and the sprinklers have a radius of 12-16m.





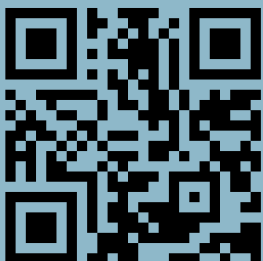
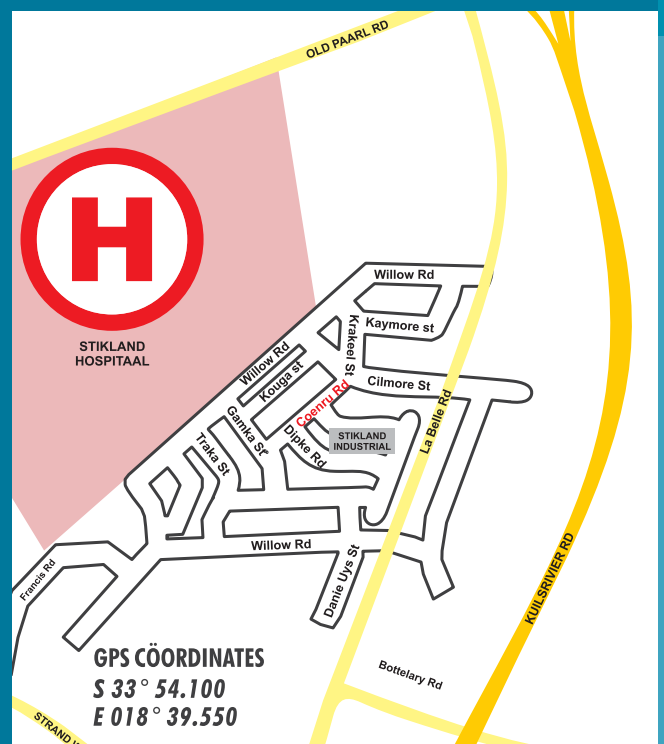
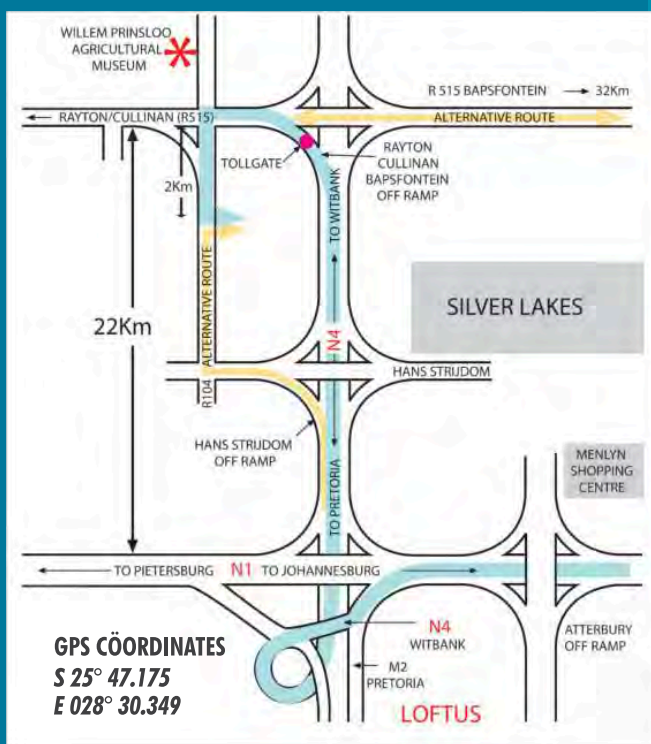
PROUDLY  
DISTRIBUTED  
BY



**OPERATING HOURS**  
OFFICE : MON - FRI 7:30 - 16:30  
STORES : MON - FRI 7:30 - 16:00

# PTA

# CPT



[www.iunlimited.co.za](http://www.iunlimited.co.za)

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