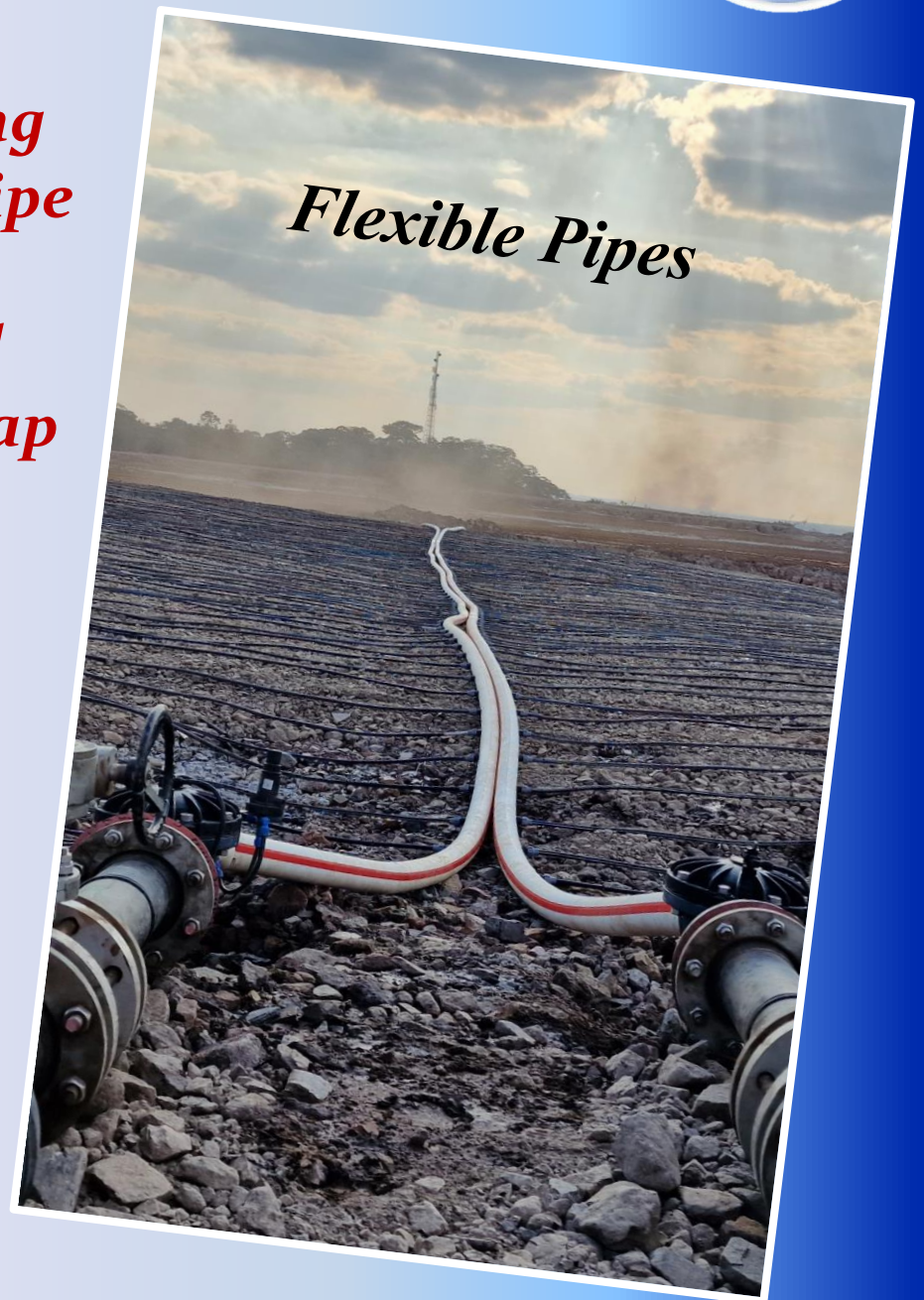


# *A.R.S -Heap Leaching Technology*



***Flatnet Mining  
Distribution Pipe  
For Copper  
,Nickel, Gold  
&Uranium Heap  
Leaching  
Irrigation.***



***Flatnet Pipe Is Highly Portable, Flexible  
And Lightweight Distribution Pipe***

# FlatNet™

## Reinforced Polyethylene Flexible Pipe

### *For Mining Heap leaching Irrigation systems.*

FlatNet™ Mining Pipes is a robust piping solution for mainline and sub-mainline drip and sprinkler applications. A high-performance and cost-efficient product, FlatNet features unique integral welded outlets that lower installation costs, while ensuring a secure, leakage-free connection between distribution pipes and laterals. Available in a wide range of diameters, FlatNet addresses the design requirements of any on surface or subsurface drip irrigation or sprinkler deployment.

A thermoplastic collapsible irrigation pipe constructed from premium polyethylene (PE), FlatNet offers many advantages over other pipe solutions. FlatNet is highly portable, flexible and lightweight, thereby reducing manpower, freight, maintenance and storage requirements. Versatile and durable, FlatNet is able to withstand the most stringent climatic and environmental conditions. A highly flexible solution, FlatNet completely eliminates buckling, making it ideal for high-pressure applications.

### **Specifications**

Compatible with ISO 16438 standard.

- Available diameters: 2", 3", 4" and 6".
- Maximum working pressure 4.0 bar at 50 Celsius degrees.
- Coil length: 50, or 100 meter.
- Can be used as transportation blank pipe, as a distribution pipe with in-field stat connectors or as a distribution pipe with integral 1/2" female threaded connectors, distance between connectors must be defined at ordering time, according to the user needs.
- Robust and durable reinforced polyethylene weaves.
- White colored for high solar resistance,
- High chemical resistance and UV resistance.
- The pipe and the integral connectors are made of 100% Polyethylene, totally recyclable material.
- Red strip for easy identification.



*Integral 1/2"  
female threaded*





# Features & Benefits

## Flatnet™ Technical Data

- 💧 Low expansion and zero axial elongation, no snaking.
- 💧 Flat and compact coil design,
- 💧 High chemical resistance.
- 💧 Reduces freight and storage and handling costs.
- 💧 confidence in the connections between distribution pipes and laterals,
- 💧 Light and flexible, easily moved from one installation to another.
- 💧 User friendly and faster layout and retrieving process, Lower maintenance requirements.
- 💧 Up to 80% lighter than other similar products.
- 💧 Complete package, pipes, full range of branching connectors and a complete line of connectors for dripperlines and laterals.
- 💧 Easier to work with on the pad , Saves labor on the pad.
- 💧 Conforms to odd shapes and layouts .
- 💧 Rolls lay out manually or by machine and can be retrieved with mechanized equipment
- 💧 No drilling and tapping required for lateral connections
- 💧 No glued PVC couplings or heat fusion welding of HDPE required.
- 💧 Only 2 sockets needed to install and retrieve.
- 💧 Durable factory installed, pre-spaced 1/2" deep FIPT outlets
- 💧 Eliminates fitting pop-outs common with other products
- 💧 Reduces labor with quality threaded connections that can be used over and over
- 💧 Enhanced composite fabric structure significantly reduces buckling and expansion (low expansion coefficient) typically seen with lay flat and other HDPE pipes
- 💧 Reinforced polyethylene weaves increase durability in rocky conditions.



### FLATNET™ Technical Data

FLATNET™	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR) AT 50 DEGREES CELSIUS
2" – 51 mm.	51.5	1.1	53.7	4.0
3" - 78 mm	78.3	1.1	90.5	4.0
4" - 102 mm	102.5	1.1	104.7	4.0

# FlatNet™ & Connector

## Flatnet™ Package Data



FLATNET™	Coil Length 100 m	Dimensions Width Diameter (CM*CM)	Coil Weight (KG)	Coil Per Pallet (Units)	Coil Length 50 m	Dimensions Width Diameter (Cm x Cm)	Coil Weight (Kg)	Coil Per Pallet (Units)
2" - 51 mm.	<b>100</b>	9.0x78	16.5	22	<b>50</b>	9.0x57	9	36
3" - 78 mm	<b>100</b>	14.0x78	29.5	14	<b>50</b>	14.0x57	15	28
4" - 102 mm	<b>100</b>	18.5x78	37.5	12	<b>50</b>	18.5x57	19	24

Catalog Number	Product Description	Product Picture
43040-000120 43040-000121	Fxn Barb Con Mth 2"x Bsp2" Kit W/O Clamp Fxn Barb Con Mth 3"x Bsp3" Kit W/O Clamp	
43040-000100 43040-000101	Fxn Coupling Barb Con 2"x2" Kit W/O Clamp Fxn Coupling Barb Con 3"x3" Kit W/O Clamp	
43040-000200 43040-000210	Fxn SSst316 Hose Clamp For Barb Conn 2" Fxn Sst316 Hose Clamp For Barb Conn 3	
77400-016400 77400-016600	Fxn 90 Deg Threaded Bsp Elbow 2" kit Fxn 90 Deg Threaded Bsp Elbow 3" kit	
77400-014000 77400-014200	Fxn 90 Deg Threaded Bsp Tee 2" kit Fxn 90 Deg Threaded Bsp Tee 3" kit	
77400-011100 77400-011393	Fxn Thread Bushing Bsp 3"m x 2"f Fxn Thread Bushing Bsp 2"m x 3"f	
77400-021000 77400-021100	Fxn Pvc Threaded Cap 2" Fxn Pvc Threaded Cap 3"	
77400-018250 77400-018000 77400-018200	Fxn Pvc Nippel Reduce 3x2 Fxn Pvc Double Nippel Pvc 2" Fxn Pvc Double Nippel Pvc 3"	
1V30163000H 1V30363000H	Fxn Manual Flushing Valve -2"-FF Fxn Manual Valve 2" PVC F- M	
33010-009950 43040-006700	Fxn flange 110mmX3"Male Threaded Fxn flange 90mmX3"Male Threaded Assembled	
19900018 CVDE11063	Fxn PE Female Adaptor 63x2" Threaded Fxn PE Welding Adaptor 63 mm for valve 2"	
76200-001700	Fxn Tav Nut Lock Fitt. Thread 16x1/2 Male	
42000-027105	Fxn Plug 1/2 Male One Bag 50	

