

AZUDLINE

Thin-wall dripline with bond-on dripper

The best and safest choice

AZUDLINE is a thin-wall dripline with an integrated dripper, which offers the maximum safety for seasonal crops. It is long-lasting, more resistant to clogging, more precise and steadier during the irrigation process. **AZUDLINE** is the best choice.

ADVANTAGES:

1. **DRIPSAFER TECHNOLOGY: MAXIMUM PROTECTION AGAINST CLOGGING**

AZUDLINE dripper filter equipped with **DRIPSAFER** technology from AZUD and thanks to its triple protection system, provide the dripper with maximum safety and prevent the entrance of particles that may lead to clogging:

1) **DYNAMIC protection system:** the hydrodynamic design of the filter together with its wide filtrating area prevent the suspended particles in the water being released into the dripper.

2) **LINEAL protection system:** a suitable placement of filter together with the flow directions allow the particles retained by the filter to be released when the water circulation speed increases in the emitter line, separating them from the filter and the dripper therefore protecting the dripline from clogging. This action is made effective at the beginning of the following stage of irrigation and during the cleaning of laterals.

3) **MECHANICAL protection system.** The particles, which are larger than the filter inlet size, are held. The **DRIPSAFER** filter acts as a barrier and restricts the entrance of particles into the dripper.

2. **ANTI-SEDIMENTATION LABYRINTH**

The AZUDLINE turbulent flow dripper especially prevents the clogging of particles in its interior. Its innovating design with angled teeth placed flow-wise encourages the dragging effects on solid particles, avoiding therefore the dripper clogging.

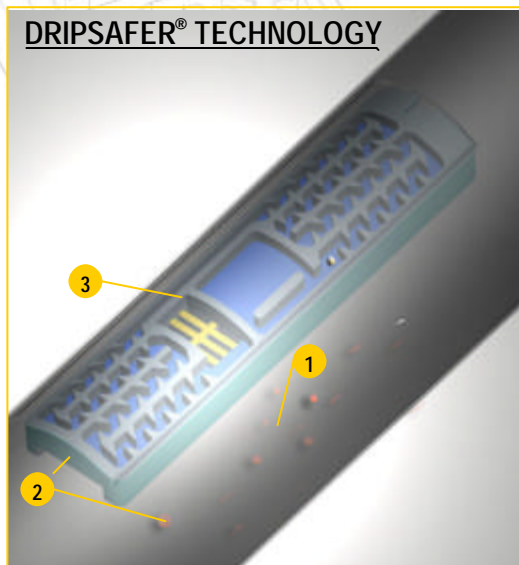
3. **MAXIMUM IRRIGATION UNIFORMITY**

Well-design dripper AZUDLINE, which is integrated in the dripline by means of an extrusion, offers minimum resistance to water flow, achieving long lateral runs and a high irrigation uniformity.

4. **HIGHEST RESISTANCE TO WORK PRESSURE**

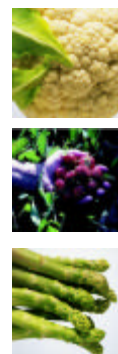
The working interval is much higher than other irrigation systems with the same diameter.

DRIPSAFER® TECHNOLOGY



5. **MAXIMUM FLEXIBILITY FOR STORING, TRANSPORT AND HANDLING**

Coils packed on pallets, easy to stack



AZUDLINE

AZUDLINE range of thin-wall dripline with bond-on dripper

- For irrigation of intensive crops.
- For savings on installation and maintenance costs.
- Varied dripline lengths.
- High resistance to clogging.
- Inlet filter with DRIPSAFER TECHNOLOGY that prevents the particles from entering into the dripper.



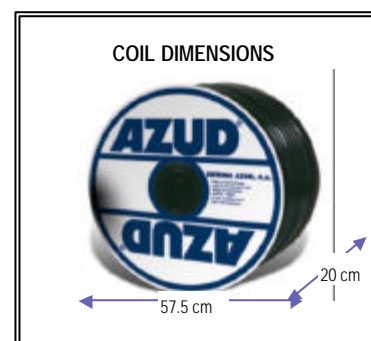
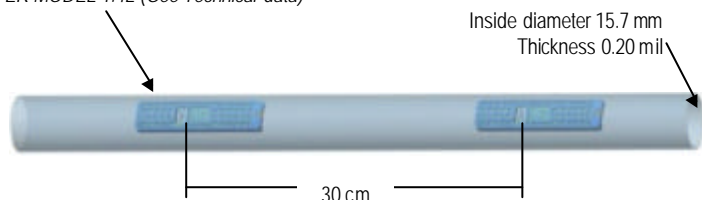
MODELS	AZUDLINE 160 1.1L - 1.4L - 2L							AZUDLINE 220 1.1L - 1.4L - 2L	
	0.15 mm	0.20 mm	0.25 mm	0.30 mm	0.34 mm	0.45 mm	0.60 mm	0.25 mm	0.30 mm
	6 mil	8 mil	10 mil	12 mil	14 mil	18 mil	24 mil	10 mil	12 mil
Spacing between drippers	From 0.15 to 0.75 m - Contact us for other spacings between drippers							Spacing between drippers	
Length of coil	Depends on spacing between drippers							Length of coil	

AZUDLINE: dripline for seasonal use.
Wide range of spacing between emitters.
Other thickness and spacing available on special order.

SPECIFICATION: AZUDLINE MODEL / DRIPPER - THICKNESS (mm) - SPACING (m)

AZUDLINE 160 / 1.4 - 0.20 - 0.30

DRIPPER MODEL 1.4L (See Technical data)



FITTINGS



STRAIGHT COUPLING FOR TAPE



OFFTAKE VALVE FOR TAPE



TAPE OFFTAKE

WE ONLY RECOMMEND FITTINGS WHICH ARE HOMOLOGATED BY AZUD
Please check for other fittings for thin wall dripline ranges of AZUDFIT

SISTEMA AZUD, S.A. reserves the right to change the characteristics of these products without prior notice



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Technical data

Seasonal tube	AZUDLINE 160			AZUDLINE 220		
	1.1L	1.4L	2L	1.1L	1.4L	2L
Inside Diameter (mm)	15.7			21.9		
Flow (l/h) at 1 bar	1.1	1.4	2.0	1.1	1.4	2.0
Flow (l/h) at 0.7 bar	0.9	1.1	1.6	0.9	1.1	1.6
Category A according to the Dripline reference Norm						
Maximum pressure according thickness	Thick <0.20			1.2 bar		
	Thick ≥ 0.25			1.4 bar		
	Thick= 0.60			2.0 bar		
Disc filtration recommended ≤130 micron						

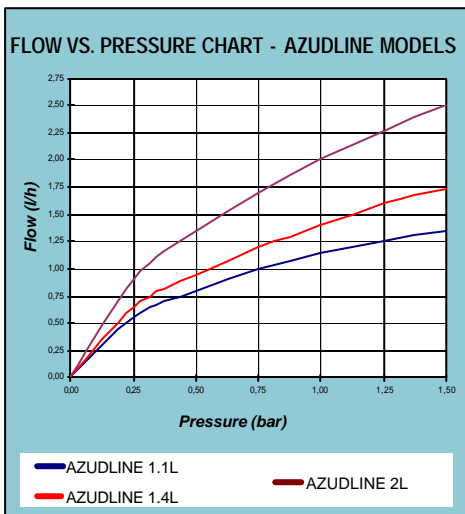
Pressure bar	AZUDLINE		
	160	220	
	1.1L	1.4L	2L
0.25	0.6	0.6	0.9
0.50	0.8	0.9	1.3
0.75	1.0	1.2	1.7
1.00	1.1	1.4	2.0
1.25	1.2	1.6	2.2
1.50	1.3	1.7	2.5

* AZUDLINE nominal flows can alter slightly according to the different models. Please check.

MODEL	Discharge equation AZUDLINE (0.20 mm ²) $q = K \cdot h^x$
	q (l/h) - h (m.c.a.)
AZUDLINE 1.1L	$q = 0.34 \cdot h^{0.50}$
AZUDLINE 1.4L	$q = 0.39 \cdot h^{0.55}$
AZUDLINE 2L	$q = 0.54 \cdot h^{0.56}$



FOR NON SEASONAL CROPS, WE RECOMMEND OUR THICK INTEGRAL DRIPLINE : AZUDRIP



AZUDLINE		Dripline length with zero slope. Inlet pressure 1 bar								
Diameter mm	Model	ΔC% extremes	Spacing between emitters (m)							
			0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.75
160	1.1L	5.0	59	74	87	100	121	142	158	188
		7.5	68	84	98	112	138	160	180	200
		10.0	77	95	112	126	154	180	200	220
		12.5	84	101	118	135	165	192	219	250
		15.0	90	111	126	145	177	210	230	275
	1.4L	5.0	50	61	72	84	100	118	131	150
		7.5	57	70	82	93	115	132	149	175
		10.0	63	79	92	103	126	148	165	195
		12.5	68	84	98	115	136	158	180	210
		15.0	72	90	106	120	146	175	195	225
	2L	5.0	39	49	58	66	79	94	105	120
		7.5	45	56	65	74	90	104	119	136
		10.0	50	62	73	83	101	119	134	140
		12.5	54	66	78	88	108	126	142	164
		15.0	57	72	83	95	115	135	152	178
220	1.1L	5.0	103	128	151	172	211	246	278	325
		7.5	117	146	172	196	240	280	318	375
		10.0	132	165	194	222	272	318	360	420
		12.5	144	178	211	242	295	345	393	455
		15.0	157	196	230	263	322	377	425	500
	1.4L	5.0	85	105	124	142	174	203	230	268
		7.5	98	121	143	164	200	235	268	310
		10.0	109	135	160	182	224	260	295	345
		12.5	122	151	175	203	250	295	333	385
		15.0	131	163	193	219	269	315	356	415
	2L	5.0	65	82	90	110	135	155	175	208
		7.5	76	94	111	127	157	180	205	240
		10.0	84	105	124	140	172	202	230	268
		12.5	92	115	137	154	190	225	250	293
		15.0	100	124	145	167	205	240	270	316

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