

K-Lin Emitting Pipe PCND

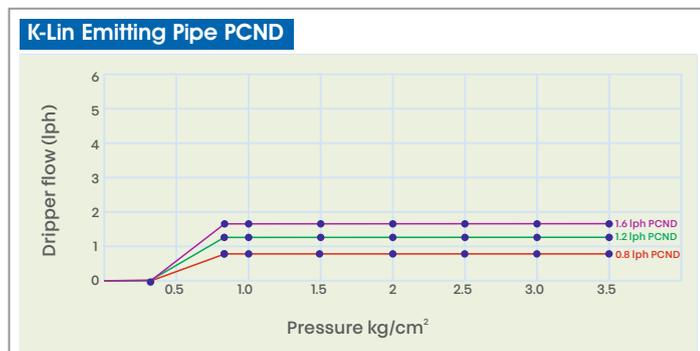
(Flat integral PCND dripline)

Features & benefits :

- Manufactured with advanced Israeli technology.
- Made of special grade LLDPE material.
- Avoid low head drainage of water after stopping of pump up to 3 Mtr head.
- Contains the most reliable and proven PC mechanism by regulating labyrinth.
- Root care configuration is available for extra root protection in SDI.
- Flow unaffected by varying inlet pressure or slopes.
- PCND drippers with lowest CV & highest uniformity coefficient.

Applications :

- Ideal for use in green house, polyhouse, shade net irrigation & in SDI.
- Ideal for fields with slopy, undulated terrain or long run lengths.
- High value open field crops which need precise irrigation.



*Indicative graph

USP : K-Lin Emitting Pipe PCND



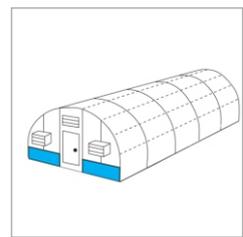
In line with double lining for laying convenience



Long lasting silicon diaphragm ensuring PC action



Unique turbulent labyrinth which avoids clogging



Recommended in greenhouse irrigation



Available sizes : 12, 16, 20 & 25 mm from CL-1 to CL-4 with 20 to 120 cm dripper spacing.

Operative guidelines :

- Uniform flow rate at wide range of pressures from 0.8 to 3.5 kg/cm².
- Filtration recommendation of 130 microns or less.
- Use kothari drip fittings to have maximum results.
- Use continuous acting air valve on submain.
- Use collecting submain for use in SDI & green houses.
- Always use NRV on mainline.

K-Lin emitting pipe as per IS : 13488 : 2008

Out side Dia (mm)	In side Dia (mm)	Nominal tolerance on ID (mm)	Wall thickness of K-Lin in mm											
			Class - 1 (1 kg/cm ²)			Class - 2 (1.25 kg/cm ²)			Class - 3 (2.5 kg/cm ²)			Class - 4 (4 kg/cm ²)		
			MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG
12	10.5	0.2 (+)	0.40	0.50	0.45	0.60	0.70	0.65	0.80	1.00	0.90	1.10	1.30	1.20
16	14.2	0.2 (+)	0.50	0.60	0.55	0.70	0.90	0.80	1.00	1.20	1.10	1.30	1.50	1.40
20	18	0.2 (+)	0.70	0.80	0.75	0.90	1.10	1.00	1.20	1.40	1.30	1.50	1.70	1.60

Max. permissible length for K-Lin Thinwall emitting pipe NPC (Mtr) at 0 level

S.N.	Dripper spacing (cm)	1.2 lph			2 lph			4 lph		
		12 mm	16 mm	20 mm	12 mm	16 mm	20 mm	12 mm	16 mm	20 mm
		CL-2	CL-2	CL-1	CL-2	CL-2	CL-1	CL-2	CL-2	CL-1
1	20	43	73	111	31	52	80	19	30	51
2	30	56	95	145	40	68	105	25	40	67
3	40	67	114	175	49	82	126	31	52	80
4	50	78	131	201	56	95	145	36	60	93
5	60	88	148	227	63	106	163	40	67	104

#This is an indicative chart actual length can be changed as per the topographic & other field conditions. Advised to consult company design engineer before the installation.

Ordering guide for K-LIN emitting pipe

Product	Inline type	Inline size (mm)	Dripper discharge (lph)	Dripper spacing (cm)	Inline class	Std. roll length (Mtr)
K-Lin emitting pipe	NPC	12	1.2 / 2 / 4	20 to 120	CL-1 / CL-2 / CL-3	500
		16	1.2 / 2 / 4	20 to 120	CL-1 / CL-2 / CL-3	500
		20	1.2 / 2 / 4	20 to 120	CL-1 / CL-2 / CL-3	400
	PCAS	16	1.2 / 1.6 / 2.1	20 to 120	CL-1 / CL-2 / CL-3	500
		20	1.2 / 1.6 / 2.1	20 to 120	CL-1 / CL-2 / CL-3	400
	PCND	16	1.2 / 1.5 / 2.1	20 to 120	CL-1 / CL-2 / CL-3	500
		20	1.2 / 1.5 / 2.1	20 to 120	CL-1 / CL-2 / CL-3	400

*Example: K-Lin emitting pipe NPC 16mm 2 lph 40cm CL-2

