

K-Gol Emitting Pipe PC

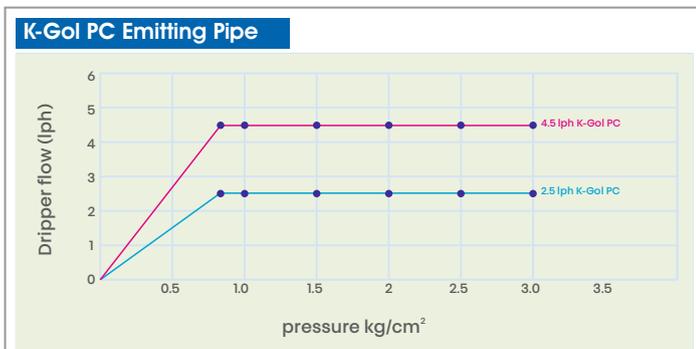
(Cylindrical integral PC dripline)

Features & benefits :

- Manufactured with advanced Israeli technology.
- Pressure compensated dripline works on pressure dissipation principle.
- Made of special grade LLDPE material.
- It has labyrinth, silicon diaphragm & turbulent flow path with wide filtration area.
- Flow unaffected by varying inlet pressure inlet pressure or slopes.
- Round PC dripper with lowest CV & highest uniformity coefficient.

Applications :

- Ideal for fields with slopy, undulated terrain or long running lengths.
- High value open field crops which need precise irrigation.
- Green house, nursery & landscape irrigation.
- Also suitable for sub surface irrigation (SDI).



*Indicative graph

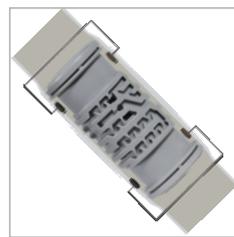
USP : K-Gol Emitting Pipe PC



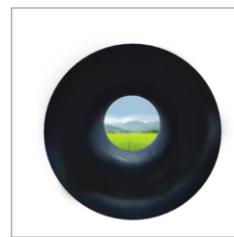
Unique turbulent labyrinth which avoids clogging



Unique dripper design ensuring PC action every time



Multiple outlet holes ensuring smooth inline operation



Smooth inner surface ensuring minimum head loss



IS 13488 - 2008



Available sizes : 16 mm diameter from CI-1 to CI-4 with 20 to 120 cm dripper spacing.

Operative guidelines :

- Uniform flow rate at wide range of pressures from 0.8 to 3 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.
- Always use NRV on mainline.

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

Out side Dia (mm)	In side Dia (mm)	Nominal tolerance on ID (mm)	Wall thickness of K-Gol 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-Gol NPC (Mtr) at 0 level

S.N.	Dripper spacing cm	2 lph			4 lph		
		12 mm	16 mm	20 mm	12 mm	16 mm	20 mm
		CL-2	CL-2	CL-1	CL-2	CL-2	CL-1
1	20	31	52	80	19	30	51
2	30	40	68	105	25	40	67
3	40	49	82	126	31	52	80
4	50	56	95	145	36	60	93
5	60	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-Gol emitting pipe

Product	Inline type	Inline size (mm)	Dripper discharge (lph)	Dripper spacing (cm)	Inline class	Std. roll length (Mtr)
K-Gol Emitting Pipe	NPC	12	2 / 4	20 to 120	CL-1 / CL-2 / CL-3	500
		16	2 / 4	20 to 120	CL-1 / CL-2 / CL-3	500
		20	2 / 4	20 to 120	CL-1 / CL-2 / CL-3	400
	PC	16	2.5 / 4.5 lph	20 to 120	CL-1 / CL-2 / CL-3	500

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

