J-Loc® Emitter

Features & Benefits

Simple Two Piece Take Apart Construction

Two piece design facilitates ease of maintenance.

Latching Insert

Strong latching arrangement helps easy removal of flow path insert. Prevents snap-off under pressure fluctuations.

Facilitates Horizontal as well as Vertical Installation of Emitter

Unique design allows to install emitter in any direction. Vertical installation used for nursery application near the saplings/pots. Horizontal installation facilitates easy retrieval of tubing and can be used for closely spaced crops.

Barbed Outlet

Suitable for 4 mm ID extension tubing to allow correct placement of water flow.

No Environmental and Chemical Effects

UV stabilized does not have any environmental effects. Resistant to chemicals used in agriculture.

Color Coded Insert

Color coded insert facilitates easy identification of emitter flow rate.

J-Loc® Emitter

Other Specification

- **Stringent Quality Checks :** Each batch passes through stringent quality tests to ensure efficient and trouble free performance for long period. Conforming to Indian Standard IS 13487 and International Standard ISO 9260.

Applications

- Recommended for fruit orchards requiring multiple drippers around the trunk of the tree, to cover widespread root zone.

Specifications

Color of the insert	* Discharge		Coeff. of mfg. variation, CVm
	lph	gph	
Yellow	2.0	0.53	5
Black	4.0	1.06	5
Blue	8.0	2.11	5
Green	15.0	3.97	5

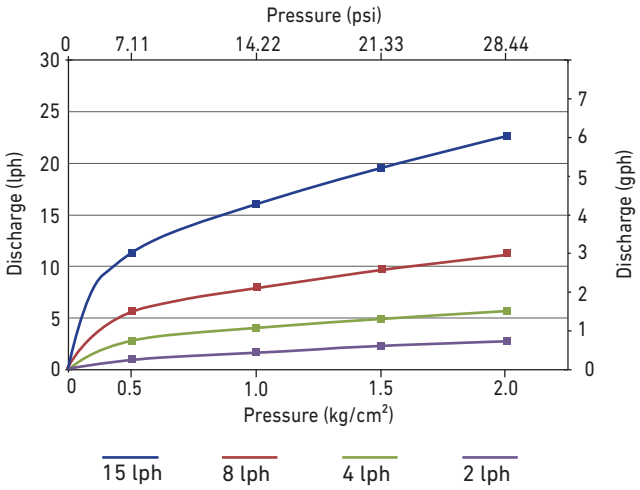
** At an operating pressure of 1kg/cm² (14.22 psi).*

- *Recommended punch size - 2.9 mm*

Operating Specifications

- Nominal operating pressure 1 kg/cm². Can be used for other pressure rating after consulting company representative and with due care for filtration.
- Filtration recommendation 130 micron or less. Actual quality of filtration can be decided by quality of source water.
- Please refer to our "Maintenance Manual" for more details.

Performance Graph



Note: Tested under standard test conditions.

Ordering Specifications

JL	XX
	Discharge (lph)
	02
	04
	08
	15

Example: JL04 - This code represents J-Loc® Emitter having 4 lph discharge.

J-Loc®

12 mm tube (10.2 mm ID tube) at 1.0 kg/cm²

Dripper Spacing		20 cm	40 cm	50 cm	60 cm	75 cm	90 cm	100 cm	120 cm	150 cm	180 cm	200 cm	250 cm	300 cm
Slope, %		Length,m												
2 lph														
10 % discharge variation	2	26.6	39.6	45.5	50.4	57.0	62.1	65.0	69.6	75.0	79.2	80.0	85.0	87.0
	1	28.2	43.6	51.0	57.6	66.8	74.7	79.0	86.4	97.5	106.2	112.0	122.5	132.0
	0	29.6	47.6	57.0	64.8	77.3	88.2	94.0	106.8	123.0	138.6	148.0	172.5	195.0
	-1	31.2	51.6	62.5	72.0	87.0	100.8	109.0	126.0	148.5	171.0	186.0	222.5	258.0
	-2	32.6	55.2	68.0	79.2	96.8	113.4	123.0	144.0	172.5	199.8	218.0	265.0	309.0
7.5 % discharge variation	2	23.4	34.4	39.5	43.2	48.0	52.2	54.0	57.6	61.5	63.0	64.0	67.5	69.0
	1	25.2	38.8	45.0	51.0	58.5	64.8	69.0	75.6	84.0	90.0	94.0	102.5	111.0
	0	26.8	42.8	51.5	58.8	69.8	79.2	85.0	96.0	111.0	124.2	134.0	155.0	174.0
	-1	28.4	47.2	57.5	66.6	81.0	93.6	102.0	117.6	139.5	160.2	174.0	210.0	243.0
	-2	30.2	51.2	63.5	74.4	91.5	107.1	117.0	136.8	163.5	190.8	210.0	255.0	99.0
4 lph														
10 % discharge variation	2	17.6	26.8	31.5	35.4	40.5	45.0	47.0	51.6	57.0	61.2	64.0	70.0	75.0
	1	18.2	28.4	34.0	38.4	45.0	50.4	53.0	60.0	67.5	73.8	78.0	87.5	96.0
	0	18.8	30.0	36.0	41.4	48.8	55.8	60.0	67.2	78.0	88.2	94.0	110.0	123.0
	-1	19.4	31.6	38.5	44.4	53.3	61.2	66.0	75.6	88.5	100.8	110.0	130.0	150.0
	-2	20.0	33.2	40.5	46.8	57.0	66.6	72.0	82.8	99.0	113.4	124.0	147.5	171.0
7.5 % discharge variation	2	15.6	24.0	27.5	30.6	35.3	38.7	41.0	44.4	48.0	52.2	54.0	57.5	60.0
	1	16.4	25.6	30.0	34.2	39.8	44.1	47.0	52.8	58.5	64.8	68.0	77.5	84.0
	0	17.0	27.2	32.5	37.2	44.3	50.4	54.0	61.2	70.5	79.2	84.0	97.5	111.0
	-1	17.6	28.8	35.0	40.2	48.8	55.8	61.0	69.6	81.0	93.6	102.0	120.0	138.0
	-2	18.4	30.8	37.5	43.8	53.3	62.1	67.0	78.0	93.0	106.2	118.0	140.0	165.0
8 lph														
10 % discharge variation	2	11.4	18.0	21.0	23.4	27.8	30.6	33.0	36.0	40.5	45.0	48.0	52.5	57.0
	1	11.6	18.4	22.0	24.6	29.3	33.3	35.0	39.6	45.0	50.4	54.0	60.0	66.0
	0	12.0	19.2	23.0	25.8	30.8	35.1	38.0	42.0	49.5	55.8	60.0	67.5	78.0
	-1	12.2	19.6	23.5	27.0	32.3	37.8	40.0	45.6	54.0	61.2	66.0	77.5	87.0
	-2	12.4	20.4	24.5	28.2	34.5	39.6	43.0	49.2	57.0	66.6	72.0	85.0	99.0
7.5 % discharge variation	2	10.2	16.0	18.5	21.0	24.0	27.0	29.0	31.2	36.0	37.8	40.0	45.0	48.0
	1	10.6	16.4	19.5	22.2	26.3	29.7	31.0	34.8	39.0	43.2	46.0	52.5	57.0
	0	10.8	17.2	20.5	23.4	27.8	31.5	34.0	38.4	45.0	50.4	54.0	62.5	69.0
	-1	11.0	18.0	21.5	24.6	30.0	34.2	37.0	42.0	49.5	55.8	60.0	70.0	81.0
	-2	11.4	18.8	22.5	25.8	31.5	36.9	39.0	45.6	54.0	61.2	66.0	80.0	93.0
15 lph														
10 % discharge variation	2	7.6	12.0	14.0	16.2	18.8	21.6	23.0	25.2	28.5	32.4	34.0	37.5	42.0
	1	7.8	12.4	14.5	16.8	19.5	22.5	24.0	26.4	30.0	34.2	36.0	42.5	45.0
	0	7.8	12.4	15.0	17.4	20.3	23.4	25.0	27.6	31.5	36.0	38.0	45.0	51.0
	-1	8.0	12.8	15.5	17.4	21.0	24.3	26.0	28.8	34.5	37.8	42.0	47.5	54.0
	-2	8.0	13.2	16.0	18.0	21.8	25.2	27.0	31.2	36.0	41.4	44.0	52.5	60.0
7.5 % discharge variation	2	6.8	10.8	12.5	14.4	16.5	18.9	20.0	21.6	25.5	27.0	30.0	32.5	36.0
	1	7.0	11.2	13.0	15.0	17.3	19.8	21.0	24.0	27.0	30.6	32.0	37.5	39.0
	0	7.2	11.2	13.5	15.6	18.0	20.7	22.0	25.2	28.5	32.4	34.0	40.0	45.0
	-1	7.2	11.6	14.0	16.2	18.8	21.6	23.0	26.4	31.5	34.2	38.0	45.0	51.0
	-2	7.4	12.0	14.5	16.8	19.5	22.5	25.0	27.6	33.0	37.8	40.0	47.5	54.0

Note : Inlet Pressure: 1.0 kg / cm²; + slope : Uphill, - slope : Downhill

Maximum Running Length for J-Loc®

16mm tube (13.8 mm ID tube) at 1.0 kg/cm²

Dripper Spacing		20 cm	40 cm	50 cm	60 cm	75 cm	90 cm	100 cm	120 cm	150 cm	180 cm	200 cm	250 cm	300 cm
Slope, %		Length,m												
2 lph														
10 % discharge variation	2	39.6	56.4	63.0	68.4	74.3	79.2	81.0	84.0	87.0	90.0	92.0	92.5	93.0
	1	43.6	66.0	76.5	85.2	97.5	107.1	112.0	121.2	132.0	142.2	146.0	157.5	165.0
	0	47.4	76.0	91.0	103.8	123.0	140.4	151.0	170.4	196.5	221.4	238.0	277.5	312.0
	-1	51.4	86.0	105.0	122.4	149.3	173.7	189.0	218.4	261.0	300.6	330.0	397.5	462.0
	-2	55.0	95.6	118.0	139.2	171.8	203.4	222.0	259.2	313.5	138.6	128.0	120.0	117.0
7.5 % discharge variation	2	34.6	48.0	53.0	56.4	60.8	63.9	65.0	67.2	69.0	70.2	72.0	72.5	72.0
	1	38.6	58.0	67.0	73.8	83.3	90.9	95.0	102.0	111.0	117.0	120.0	127.5	132.0
	0	42.8	68.8	82.0	94.2	111.8	126.9	136.0	153.6	178.5	199.8	216.0	250.0	282.0
	-1	47.0	79.6	97.5	114.0	139.5	163.8	178.0	206.4	247.5	286.2	314.0	382.5	444.0
	-2	51.2	89.6	112.0	132.0	164.3	195.3	213.0	250.8	94.5	90.0	88.0	85.0	84.0
4 lph														
10 % discharge variation	2	27.0	40.4	46.5	51.0	57.8	63.0	65.0	69.6	75.0	79.2	82.0	85.0	87.0
	1	28.6	44.4	52.0	58.2	67.5	75.6	80.0	87.6	97.5	106.2	112.0	122.5	132.0
	0	30.2	48.4	58.0	66.0	78.0	89.1	96.0	108.0	124.5	140.4	152.0	175.0	198.0
	-1	31.8	52.4	63.5	73.8	88.5	103.5	111.0	128.4	151.5	174.6	190.0	227.5	261.0
	-2	33.4	56.4	69.0	81.0	99.0	116.1	126.0	146.4	175.5	203.4	224.0	270.0	315.0
7.5 % discharge variation	2	23.8	34.8	40.0	43.8	48.8	52.2	54.0	57.6	61.5	63.0	66.0	67.5	69.0
	1	25.6	39.2	46.0	51.6	59.3	65.7	69.0	75.6	84.0	91.8	96.0	105.0	111.0
	0	27.2	43.6	52.0	59.4	70.5	81.0	86.0	97.2	112.5	127.8	136.0	157.5	177.0
	-1	29.0	48.0	58.5	67.8	82.5	95.4	104.0	120.0	142.5	163.8	178.0	215.0	249.0
	-2	30.6	52.4	64.5	75.6	93.0	109.8	119.0	139.2	168.0	194.4	214.0	115.0	96.0
8 lph														
10 % discharge variation	2	17.8	27.2	32.0	36.0	41.3	45.9	48.0	52.8	58.5	63.0	66.0	70.0	75.0
	1	18.6	29.2	34.5	39.0	45.0	51.3	54.0	60.0	67.5	75.6	80.0	90.0	99.0
	0	19.2	30.8	36.5	42.0	49.5	56.7	61.0	68.4	79.5	88.2	96.0	110.0	126.0
	-1	19.8	32.4	39.0	45.0	54.0	62.1	67.0	76.8	90.0	102.6	112.0	132.5	153.0
	-2	20.4	34.0	41.5	48.0	58.5	67.5	73.0	84.0	100.5	115.2	126.0	152.5	177.0
7.5 % discharge variation	2	16.0	24.0	28.0	31.2	36.0	39.6	41.0	44.4	49.5	52.2	54.0	57.5	60.0
	1	16.6	26.0	30.5	34.8	40.5	45.0	48.0	52.8	60.0	64.8	70.0	77.5	84.0
	0	17.4	27.6	33.0	37.8	45.0	51.3	55.0	62.4	72.0	81.0	86.0	100.0	114.0
	-1	18.0	29.6	35.5	41.4	49.5	57.6	62.0	70.8	84.0	95.4	104.0	122.5	141.0
	-2	18.6	31.2	38.0	44.4	54.0	63.0	68.0	79.2	94.5	109.8	120.0	145.0	168.0
15 lph														
10 % discharge variation	2	12.2	18.8	22.0	25.2	29.3	32.4	34.0	38.4	42.0	46.8	50.0	55.0	60.0
	1	12.4	19.6	23.0	26.4	30.8	35.1	37.0	42.0	48.0	52.2	56.0	62.5	69.0
	0	12.6	20.4	24.0	27.6	33.0	37.8	40.0	45.6	52.5	59.4	64.0	72.5	81.0
	-1	13.0	20.8	25.0	28.8	34.5	39.6	43.0	49.2	57.0	64.8	70.0	82.5	93.0
	-2	13.2	21.6	26.0	30.6	36.8	42.3	46.0	52.8	61.5	70.2	76.0	92.5	105.0
7.5 % discharge variation	2	10.8	16.8	19.5	22.2	25.5	28.8	30.0	33.6	37.5	39.6	42.0	47.5	51.0
	1	11.2	17.6	20.5	23.4	27.8	31.5	33.0	37.2	42.0	46.8	50.0	55.0	60.0
	0	11.4	18.4	22.0	25.2	29.3	33.3	36.0	40.8	46.5	52.2	56.0	65.0	75.0
	-1	11.8	19.2	23.0	26.4	31.5	36.0	39.0	44.4	52.5	59.4	64.0	75.0	87.0
	-2	12.0	20.0	24.0	27.6	33.8	38.7	42.0	48.0	57.0	66.6	72.0	85.0	99.0

Note : Inlet Pressure: 1.0 kg / cm²; + slope : Uphill, - slope : Downhill

Maximum Running Length for J-Loc®

20mm tube (17.6 mm ID tube) at 1.0 kg/cm²

Dripper Spacing		20 cm	40 cm	50 cm	60 cm	75 cm	90 cm	100 cm	120 cm	150 cm	180 cm	200 cm	250 cm	300 cm
Slope, %		Length,m												
2 lph														
10 % discharge variation	2	54.4	72.0	78.0	82.2	86.3	89.1	90.0	92.4	93.0	95.4	96.0	95.0	96.0
	1	63.0	92.4	105.5	115.8	129.0	138.6	144.0	152.4	162.0	167.4	172.0	177.5	183.0
	0	72.0	115.6	138.0	157.8	186.8	213.3	229.0	259.2	298.5	336.6	362.0	420.0	474.0
	-1	80.8	138.0	170.0	199.2	244.5	288.0	314.0	366.0	439.5	511.2	560.0	680.0	258.0
	-2	89.2	158.4	198.0	234.6	292.5	147.6	131.0	121.2	115.5	113.4	112.0	112.5	111.0
7.5 % discharge variation	2	46.2	59.2	63.5	66.0	68.3	70.2	71.0	72.0	72.0	73.8	74.0	72.5	75.0
	1	55.4	79.6	90.0	97.8	107.3	114.3	118.0	123.6	129.0	133.2	136.0	140.0	141.0
	0	65.0	104.4	124.5	142.8	168.8	193.5	207.0	234.0	270.0	304.2	328.0	380.0	429.0
	-1	74.8	128.8	159.5	187.8	231.8	273.6	299.0	349.2	421.5	491.4	204.0	180.0	174.0
	-2	84.0	151.2	190.0	226.2	96.8	89.1	87.0	85.2	84.0	82.8	82.0	82.5	81.0
4 lph														
10 % discharge variation	2	38.6	55.2	62.0	67.2	73.5	77.4	80.0	84.0	87.0	90.0	90.0	92.5	93.0
	1	42.2	64.0	74.5	82.8	94.5	104.4	109.0	118.8	130.5	138.6	144.0	155.0	162.0
	0	45.8	73.6	87.5	100.2	119.3	135.9	146.0	164.4	190.5	214.2	230.0	267.5	300.0
	-1	49.4	82.8	101.0	117.6	143.3	167.4	181.0	210.0	250.5	288.0	316.0	380.0	441.0
	-2	53.0	91.6	113.5	133.2	165.0	194.4	212.0	248.4	298.5	151.2	132.0	122.5	117.0
7.5 % discharge variation	2	33.6	46.8	52.0	55.8	60.0	63.0	64.0	66.0	69.0	70.2	70.0	72.5	72.0
	1	37.4	56.4	65.0	72.0	81.8	89.1	93.0	100.8	108.0	115.2	118.0	125.0	129.0
	0	41.4	66.4	79.5	90.6	107.3	123.3	132.0	148.8	172.5	192.6	208.0	242.5	273.0
	-1	45.4	76.4	93.5	109.2	133.5	156.6	170.0	198.0	237.0	273.6	302.0	365.0	426.0
	-2	49.2	86.0	107.0	126.6	156.8	186.3	204.0	238.8	97.5	90.0	88.0	85.0	84.0
8 lph														
10 % discharge variation	2	26.2	39.2	45.0	49.8	56.3	61.2	64.0	68.4	73.5	77.4	80.0	85.0	87.0
	1	27.6	42.8	50.5	56.4	66.0	73.8	78.0	85.2	96.0	104.4	110.0	120.0	129.0
	0	29.2	46.8	56.0	63.6	75.8	86.4	92.0	104.4	120.0	135.0	146.0	170.0	192.0
	-1	30.6	50.4	61.0	70.8	85.5	99.0	107.0	123.6	145.5	167.4	182.0	217.5	252.0
	-2	32.0	54.0	66.5	77.4	94.5	111.6	121.0	140.4	168.0	194.4	214.0	257.5	300.0
7.5 % discharge variation	2	23.2	34.0	39.0	42.6	48.0	51.3	53.0	56.4	60.0	63.0	64.0	67.5	69.0
	1	24.8	38.0	44.5	49.8	57.8	63.9	68.0	74.4	82.5	88.2	94.0	102.5	108.0
	0	26.4	42.0	50.5	57.6	68.3	78.3	84.0	94.8	109.5	122.4	132.0	152.5	171.0
	-1	28.0	46.4	56.0	65.4	78.8	91.8	99.0	115.2	136.5	156.6	170.0	205.0	237.0
	-2	29.6	50.4	62.0	72.6	89.3	105.3	114.0	133.2	160.5	187.2	204.0	250.0	99.0
15 lph														
10 % discharge variation	2	18.0	27.6	32.0	36.0	41.3	45.9	48.0	52.8	58.5	63.0	66.0	70.0	75.0
	1	18.6	29.2	34.5	39.0	45.8	51.3	55.0	61.2	69.0	75.6	80.0	90.0	99.0
	0	19.4	30.8	37.0	42.0	50.3	56.7	61.0	69.6	79.5	90.0	96.0	112.5	126.0
	-1	20.0	32.4	39.5	45.6	54.0	63.0	68.0	76.8	91.5	104.4	112.0	132.5	153.0
	-2	20.6	34.4	41.5	48.6	58.5	68.4	74.0	85.2	100.5	117.0	128.0	152.5	177.0
7.5 % discharge variation	2	16.0	24.4	28.0	31.2	36.0	39.6	41.0	45.6	49.5	52.2	54.0	57.5	60.0
	1	16.8	26.0	31.0	34.8	40.5	45.0	48.0	52.8	60.0	66.6	70.0	77.5	84.0
	0	17.4	28.0	33.5	38.4	45.0	51.3	55.0	62.4	72.0	81.0	88.0	100.0	114.0
	-1	18.2	29.6	36.0	41.4	50.3	57.6	62.0	70.8	84.0	95.4	104.0	125.0	144.0
	-2	18.8	31.6	38.5	45.0	54.8	63.9	69.0	80.4	96.0	109.8	120.0	145.0	168.0

Note : Inlet Pressure: 1.0 kg / cm²; + slope : Uphill, - slope : Downhill