

J-SC PC-Plus® Emitter



Product Design Registration No: 183476

Features & Benefits



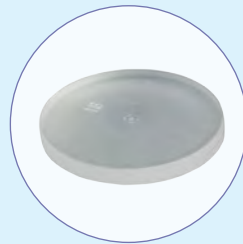
Take Apart, Self Cleaning Pressure Compensating (SCPC) Online Emitter

Take apart feature allows easy opening and cleaning of the emitter.



Clog Resistant, Wide Labyrinth

Strong turbulent flow in the labyrinth helps for continual flushing and cleaning.



Precision Pressure Compensation

High quality injection moulded liquid silicone diaphragm ensures precision in pressure compensation helps to maintain high discharge uniformity.



Barbed Inlet with Narrow Inlet Filter

Barbed inlet suitable to connect directly on 4mm extension tube or can be installed on polytube. Cross shaped inlet filters prevents entrance of most of the impurities.



Extended Outlet

For connection of 4mm ID extension tubing for right placement of water with multi-outlet connectors



Wide Pressure Compensating Range

Pressure regulation range 0.8-3kg/cm² pressure (11.38 to 42.66 psi)



Optional Anti-bug Cap.

Prevents entry of ants/bugs inside the emitter.



Color Coded Cap

Color coded cap facilitates easy identification of emitter flow rate.

J-SC PC-Plus® Emitter

Additional Features

- **No Environmental and Chemical Effects** : UV stabilized does not have any environmental effects. Resistant to chemicals used in agriculture.
- **Quality Comes First** : 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 open field application like orchards, fruit crops, vegetables, etc.
- Suitable for nurseries, pot irrigation & greenhouse irrigation.
- Recommended to use where section size is large and longer lateral length of run is required.
- Recommended for undulating terrain & steep slopes.
- Recommended to use in problematic water condition where cleaning of emitter is required.

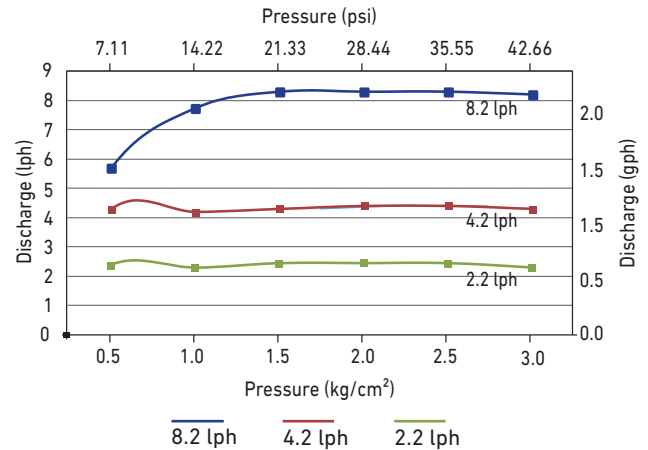
Specifications

Discharge		Color of cap & insert	Emitter exponent (x)	Flow coefficient (k)	Coeff. of mfg. variation, CVm
(lph)	(gph)				
2.2	0.58	Yellow	0.04	2.2	4
4.2	1.11	Black	0.03	4.2	3
8.2	2.16	Blue	0.08	8.2	3.5

Flow equation $q = kH^x$, q = Discharge, lph, H = Pressure head, kg/cm^2 , k = Flow coefficient, x = Emitter exponent.

- Recommended punch size - 2.9 mm

Performance Graph



Note: Tested under standard test conditions.

Operating Specifications

- Maintain the operating pressure within the pressure regulating range.
- Always use 'Turbo Key Spanner' to open and close the dripper. Close the dripper properly.
- 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.

Ordering Specifications

JSCPC	XX
	Discharge (lph)
	02
	04
	08

Example: JSCPC02 - This code represents J-SC-PC-Plus® Emitter having 2.2 lph discharge.



J-SC PC-Plus®



12 mm tube (10.2 mm ID tube)

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)													
2.2 lph														
2	1.0	25.0	37.6	43.5	48.0	54.8	59.4	62.0	67.2	72.0	75.6	78.0	82.5	87.0
	1.5	41.0	64.0	75.0	85.2	99.0	110.7	118.0	130.8	147.0	160.2	170.0	187.5	204.0
	2.0	49.8	78.4	92.5	105.0	123.0	138.6	148.0	164.4	187.5	207.0	220.0	247.5	270.0
	2.5	56.2	88.8	105.5	120.0	141.0	159.3	170.0	189.6	216.0	239.4	256.0	290.0	318.0
	3.0	61.6	97.6	116.0	131.4	154.5	175.5	187.0	210.0	240.0	266.4	284.0	295.0	327.0
0	1.0	27.8	44.4	53.0	60.6	72.0	81.9	88.0	99.6	115.5	129.6	140.0	160.0	180.0
	1.5	42.8	68.4	82.0	93.6	111.0	126.9	136.0	153.6	177.0	199.8	214.0	247.5	279.0
	2.0	51.2	82.4	98.5	112.2	133.5	152.1	163.0	184.8	213.0	239.4	258.0	297.5	336.0
	2.5	57.6	92.4	110.5	126.0	150.0	171.0	183.0	207.6	240.0	270.0	290.0	335.0	378.0
	3.0	62.8	100.8	120.5	137.4	163.5	186.3	200.0	225.6	261.0	293.4	316.0	330.0	372.0
-2	1.0	30.4	51.6	63.0	73.8	90.8	106.2	115.0	134.4	162.0	187.2	206.0	250.0	294.0
	1.5	44.6	73.2	88.5	102.6	123.0	143.1	154.0	177.6	208.5	239.4	260.0	310.0	357.0
	2.0	52.8	86.0	104.0	119.4	143.3	165.6	178.0	204.0	240.0	273.6	296.0	350.0	399.0
	2.5	59.0	96.0	115.5	132.6	159.0	182.7	197.0	224.4	262.5	298.8	324.0	380.0	435.0
	3.0	64.0	104.0	125.0	143.4	171.8	197.1	212.0	241.2	282.0	320.4	348.0	365.0	414.0
4.2 lph														
2	1.0	17.0	26.0	30.5	34.2	39.0	44.1	46.0	50.4	55.5	59.4	62.0	67.5	72.0
	1.5	27.2	42.8	51.0	57.6	67.5	76.5	81.0	90.0	102.0	113.4	120.0	135.0	150.0
	2.0	33.0	52.4	62.0	70.2	83.3	93.6	100.0	112.8	127.5	142.2	152.0	172.5	192.0
	2.5	37.2	59.2	70.0	79.8	94.5	107.1	114.0	128.4	147.0	163.8	174.0	200.0	222.0
	3.0	40.6	64.8	77.0	87.6	103.5	117.9	125.0	141.6	162.0	180.0	194.0	200.0	225.0
0	1.0	18.2	29.2	35.0	39.6	47.3	54.0	58.0	64.8	75.0	84.6	90.0	105.0	117.0
	1.5	28.0	44.8	53.5	61.2	72.8	82.8	89.0	100.8	115.5	131.4	140.0	162.5	183.0
	2.0	33.6	54.0	64.5	73.8	87.0	99.9	107.0	121.2	139.5	156.6	168.0	195.0	219.0
	2.5	37.8	60.4	72.5	82.8	98.3	112.5	120.0	135.6	157.5	176.4	190.0	220.0	246.0
	3.0	41.2	66.0	79.0	90.0	107.3	122.4	131.0	147.6	171.0	192.6	206.0	215.0	243.0
-2	1.0	19.4	32.0	39.0	45.6	54.8	63.9	69.0	80.4	96.0	109.8	120.0	145.0	168.0
	1.5	28.8	46.8	56.5	65.4	78.0	90.0	97.0	110.4	129.0	147.6	160.0	187.5	216.0
	2.0	34.2	55.6	67.0	76.8	91.5	105.3	113.0	129.6	151.5	171.0	186.0	217.5	246.0
	2.5	38.4	62.0	74.5	85.8	102.0	117.0	126.0	142.8	166.5	189.0	204.0	240.0	270.0
	3.0	41.8	67.2	81.0	93.0	110.3	126.9	136.0	154.8	180.0	203.4	220.0	230.0	261.0
8.2 lph														
2	1.0	11.2	17.6	20.5	23.4	27.0	30.6	32.0	36.0	40.5	43.2	46.0	50.0	54.0
	1.5	17.8	28.0	33.5	37.8	44.3	50.4	54.0	60.0	69.0	77.4	82.0	92.5	102.0
	2.0	21.4	34.0	40.5	46.2	54.8	62.1	66.0	74.4	85.5	95.4	102.0	115.0	129.0
	2.5	24.2	38.4	46.0	52.2	61.5	70.2	75.0	84.0	97.5	108.0	116.0	132.5	147.0
	3.0	26.4	42.0	50.0	57.0	67.5	76.5	82.0	92.4	106.5	118.8	128.0	132.5	147.0
0	1.0	11.8	18.8	22.5	25.8	30.0	34.2	37.0	42.0	48.0	54.0	58.0	67.5	75.0
	1.5	18.0	28.8	34.5	39.6	46.5	53.1	57.0	64.8	75.0	84.6	90.0	105.0	117.0
	2.0	21.8	34.8	41.5	47.4	56.3	63.9	69.0	78.0	90.0	100.8	108.0	125.0	141.0
	2.5	24.4	39.2	46.5	53.4	63.0	72.0	77.0	87.6	100.5	113.4	122.0	140.0	159.0
	3.0	26.6	42.8	51.0	58.2	69.0	79.2	84.0	94.8	109.5	124.2	134.0	140.0	156.0
-2	1.0	12.2	20.0	24.0	27.6	33.8	38.7	42.0	48.0	57.0	64.8	70.0	82.5	96.0
	1.5	18.4	29.6	36.0	40.8	48.8	56.7	61.0	68.4	81.0	91.8	98.0	115.0	132.0
	2.0	22.0	35.6	42.5	48.6	58.5	66.6	72.0	81.6	94.5	106.2	116.0	135.0	153.0
	2.5	24.6	39.6	47.5	54.6	65.3	74.7	80.0	91.2	105.0	118.8	128.0	150.0	168.0
	3.0	26.8	43.2	51.5	59.4	70.5	81.0	87.0	98.4	114.0	129.6	138.0	145.0	165.0

Note : + slope : Uphill, - slope : Downhill
 Minimum Pressure at the end of the lateral is 0.8 kg/cm²

Maximum Running Length for J-SC PC-Plus®



16 mm tube (13.8 mm ID tube)

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)													
2.2 lph														
2	1.0	37.6	54.0	61.0	66.0	72.8	77.4	80.0	84.0	87.0	90.0	90.0	92.5	93.0
	1.5	63.6	97.6	114.0	127.8	147.0	162.9	171.0	187.2	207.0	223.2	234.0	252.5	267.0
	2.0	78.0	121.6	143.0	160.8	186.8	209.7	222.0	244.8	274.5	300.6	316.0	350.0	378.0
	2.5	88.6	138.8	164.0	185.4	216.0	243.0	258.0	286.8	324.0	356.4	378.0	422.5	459.0
	3.0	97.0	152.8	180.5	204.6	239.3	270.0	287.0	320.4	363.0	401.4	426.0	442.5	486.0
0	1.0	44.4	71.2	85.0	97.2	115.5	131.4	141.0	159.6	184.5	207.0	224.0	257.5	291.0
	1.5	68.2	109.6	131.0	149.4	177.8	202.5	217.0	246.0	283.5	318.6	344.0	397.5	447.0
	2.0	81.8	131.2	157.0	179.4	213.0	243.0	261.0	295.2	340.5	383.4	412.0	477.5	537.0
	2.5	92.0	147.6	176.5	201.6	239.3	273.6	293.0	331.2	382.5	430.2	464.0	535.0	603.0
	3.0	100.2	160.8	192.0	219.6	261.0	297.9	319.0	361.2	417.0	469.8	504.0	527.5	594.0
-2	1.0	51.4	88.8	110.5	130.2	161.3	191.7	210.0	246.0	298.5	351.0	388.0	475.0	561.0
	1.5	73.0	121.6	148.0	172.2	208.5	243.9	264.0	304.8	363.0	419.4	460.0	550.0	642.0
	2.0	85.8	141.2	171.0	198.0	239.3	277.2	300.0	344.4	406.5	468.0	510.0	607.5	699.0
	2.5	95.4	156.4	189.0	218.4	262.5	303.3	328.0	375.6	442.5	505.8	550.0	650.0	750.0
	3.0	103.4	168.8	203.5	234.6	282.0	325.8	351.0	400.8	471.0	538.2	584.0	615.0	705.0
4.2 lph														
2	1.0	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
	1.5	42.8	66.8	78.5	88.8	102.8	115.2	122.0	135.6	151.5	167.4	176.0	195.0	210.0
	2.0	52.0	82.0	97.0	109.8	128.3	144.9	154.0	171.6	195.0	214.2	228.0	257.5	282.0
	2.5	59.0	93.2	110.5	125.4	147.0	166.5	177.0	198.0	225.0	250.2	266.0	300.0	333.0
	3.0	64.4	102.0	121.0	137.4	162.0	183.6	195.0	219.6	250.5	277.2	296.0	307.5	342.0
0	1.0	29.2	46.8	55.5	63.6	75.8	86.4	92.0	104.4	120.0	135.0	146.0	167.5	189.0
	1.5	44.8	72.0	86.0	98.4	116.3	133.2	142.0	160.8	186.0	208.8	226.0	260.0	291.0
	2.0	53.8	86.4	103.0	117.6	139.5	159.3	171.0	193.2	223.5	252.0	270.0	312.5	351.0
	2.5	60.4	96.8	115.5	132.6	156.8	179.1	192.0	217.2	250.5	282.6	304.0	350.0	396.0
	3.0	65.8	105.6	126.0	144.0	171.0	195.3	209.0	236.4	273.0	307.8	330.0	345.0	390.0
-2	1.0	32.0	54.4	66.5	78.0	96.0	112.5	122.0	142.8	171.0	199.8	220.0	265.0	312.0
	1.5	46.8	76.8	93.0	108.0	129.8	150.3	163.0	187.2	220.5	253.8	276.0	327.5	378.0
	2.0	55.4	90.4	109.0	126.0	150.8	174.6	188.0	214.8	252.0	288.0	312.0	367.5	423.0
	2.5	61.8	100.8	121.0	139.8	167.3	192.6	207.0	236.4	276.0	315.0	342.0	400.0	459.0
	3.0	67.2	109.2	131.0	150.6	180.0	207.0	223.0	254.4	297.0	336.6	366.0	382.5	438.0
8.2 lph														
2	1.0	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
	1.5	28.2	44.4	52.5	59.4	69.8	78.3	83.0	93.6	105.0	117.0	124.0	140.0	153.0
	2.0	34.0	54.0	64.0	72.6	85.5	97.2	103.0	115.2	132.0	147.6	156.0	177.5	198.0
	2.5	38.4	60.8	72.5	82.8	97.5	110.7	118.0	132.0	151.5	169.2	180.0	205.0	228.0
	3.0	42.0	66.8	79.5	90.6	106.5	121.5	129.0	145.2	166.5	185.4	200.0	207.5	231.0
0	1.0	18.8	30.0	36.0	40.8	48.8	55.8	59.0	67.2	78.0	86.4	94.0	107.5	123.0
	1.5	29.0	46.4	55.5	63.6	75.0	85.5	92.0	104.4	120.0	135.0	146.0	167.5	189.0
	2.0	34.8	55.6	66.5	76.2	90.0	102.6	110.0	124.8	144.0	162.0	174.0	202.5	225.0
	2.5	39.0	62.4	75.0	85.8	101.3	116.1	124.0	140.4	162.0	181.8	196.0	227.5	255.0
	3.0	42.6	68.4	81.5	93.0	110.3	126.0	135.0	152.4	177.0	198.0	214.0	222.5	252.0
-2	1.0	20.0	33.2	40.5	46.8	57.0	66.6	72.0	82.8	99.0	115.2	126.0	150.0	174.0
	1.5	29.8	48.4	58.5	67.2	81.0	93.6	100.0	115.2	135.0	153.0	166.0	195.0	225.0
	2.0	35.4	57.6	69.0	79.2	95.3	108.9	117.0	133.2	156.0	178.2	192.0	225.0	255.0
	2.5	39.6	64.0	77.0	88.8	105.8	121.5	130.0	148.8	172.5	196.2	212.0	247.5	282.0
	3.0	43.2	69.6	83.5	96.0	114.0	131.4	141.0	159.6	186.0	210.6	228.0	240.0	270.0

Note : + slope : Uphill, - slope : Downhill
 Minimum Pressure at the end of the lateral is 0.8 kg/cm²

Maximum Running Length for J-SC PC-Plus®



20 mm tube (17.6 mm ID tube)

2.2 lph														
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	1.0	52.0	70.4	77.0	81.6	86.3	89.1	91.0	92.4	94.5	95.4	96.0	97.5	96.0
	1.5	93.0	139.2	160.5	177.6	200.3	218.7	228.0	244.8	264.0	277.2	286.0	300.0	312.0
	2.0	115.4	176.4	206.0	230.4	264.0	292.5	308.0	336.0	369.0	397.8	414.0	447.5	471.0
	2.5	131.6	203.6	238.5	268.2	309.8	345.6	365.0	402.0	447.0	486.0	510.0	560.0	597.0
	3.0	144.8	225.2	265.0	298.8	346.5	388.8	411.0	454.8	510.0	556.2	588.0	605.0	657.0
0	1.0	67.4	108.0	129.0	147.6	174.8	199.8	214.0	242.4	280.5	315.0	338.0	392.5	441.0
	1.5	103.6	166.0	198.5	226.8	269.3	307.8	329.0	373.2	430.5	484.2	522.0	602.5	678.0
	2.0	124.2	199.2	238.0	272.4	323.3	369.0	395.0	446.4	516.0	581.4	626.0	722.5	813.0
	2.5	139.4	224.0	267.5	306.0	363.0	414.9	444.0	501.6	580.5	653.4	702.0	812.5	915.0
	3.0	152.0	244.0	291.5	333.0	395.3	451.8	484.0	547.2	631.5	711.0	766.0	800.0	900.0
-2	1.0	83.2	148.4	186.5	222.0	279.0	333.9	366.0	434.4	532.5	628.2	698.0	857.5	1017.0
	1.5	114.2	193.6	237.5	277.8	340.5	400.5	436.0	507.6	610.5	711.0	782.0	947.5	1110.0
	2.0	133.0	222.0	271.0	315.0	383.3	447.3	485.0	561.6	669.0	772.2	846.0	1017.5	1182.0
	2.5	147.4	244.0	296.5	343.8	416.3	484.2	524.0	603.6	715.5	824.4	900.0	1075.0	1245.0
	3.0	159.2	262.4	318.0	367.8	444.0	515.7	557.0	639.6	756.0	869.4	948.0	997.5	1152.0
4.2 lph														
2	1.0	37.4	54.0	61.0	66.0	72.8	77.4	80.0	82.8	87.0	90.0	90.0	92.5	93.0
	1.5	63.4	97.2	113.5	127.2	146.3	162.0	171.0	187.2	207.0	223.2	232.0	252.5	267.0
	2.0	77.8	120.8	142.5	160.2	186.0	208.8	221.0	244.8	274.5	298.8	316.0	350.0	378.0
	2.5	88.2	138.0	163.0	184.8	215.3	242.1	257.0	285.6	322.5	354.6	376.0	420.0	459.0
	3.0	96.6	152.0	180.0	204.0	238.5	269.1	286.0	319.2	361.5	399.6	424.0	440.0	483.0
0	1.0	44.2	70.8	84.5	96.6	114.8	131.4	140.0	158.4	183.0	207.0	222.0	257.5	288.0
	1.5	68.0	109.2	130.5	148.8	177.0	201.6	216.0	244.8	282.0	318.6	342.0	395.0	444.0
	2.0	81.6	130.8	156.5	178.8	212.3	242.1	259.0	292.8	339.0	381.6	410.0	475.0	534.0
	2.5	91.6	146.8	175.5	201.0	238.5	271.8	291.0	330.0	381.0	428.4	462.0	532.5	600.0
	3.0	99.8	160.0	191.5	219.0	259.5	296.1	317.0	358.8	415.5	466.2	502.0	525.0	591.0
-2	1.0	51.0	88.4	110.0	129.6	160.5	190.8	208.0	244.8	297.0	349.2	386.0	472.5	558.0
	1.5	72.6	120.8	147.0	171.0	207.8	242.1	263.0	303.6	361.5	417.6	456.0	547.5	636.0
	2.0	85.4	140.8	170.5	197.4	237.8	276.3	298.0	343.2	405.0	464.4	508.0	602.5	696.0
	2.5	95.0	155.6	188.0	217.2	261.0	302.4	326.0	373.2	439.5	502.2	548.0	647.5	744.0
	3.0	102.8	168.0	202.5	234.0	280.5	324.0	349.0	399.6	469.5	534.6	582.0	612.5	699.0
8.2 lph														
2	1.0	25.8	38.4	44.5	49.2	55.5	60.3	63.0	68.4	73.5	77.4	80.0	85.0	87.0
	1.5	42.0	65.6	77.0	87.0	101.3	113.4	120.0	133.2	150.0	163.8	174.0	192.5	207.0
	2.0	51.2	80.4	95.0	108.0	126.0	142.2	151.0	169.2	192.0	212.4	224.0	252.5	276.0
	2.5	57.8	91.2	108.5	123.0	144.0	163.8	174.0	194.4	222.0	246.6	262.0	297.5	327.0
	3.0	63.2	100.0	119.0	135.0	159.0	180.0	192.0	214.8	246.0	273.6	292.0	302.5	336.0
0	1.0	28.6	45.6	54.5	62.4	74.3	84.6	91.0	102.0	118.5	133.2	144.0	165.0	186.0
	1.5	44.0	70.4	84.0	96.0	114.0	130.5	140.0	158.4	183.0	205.2	220.0	255.0	288.0
	2.0	52.8	84.4	101.0	115.8	137.3	156.6	168.0	189.6	219.0	246.6	266.0	305.0	345.0
	2.5	59.2	95.2	113.5	129.6	153.8	175.5	188.0	213.6	246.0	277.2	298.0	345.0	387.0
	3.0	64.6	103.6	123.5	141.6	168.0	191.7	205.0	231.6	268.5	302.4	324.0	340.0	381.0
-2	1.0	31.4	53.2	65.0	76.2	93.8	109.8	120.0	139.2	168.0	194.4	214.0	260.0	303.0
	1.5	45.8	75.6	91.5	105.6	127.5	147.6	159.0	182.4	216.0	246.6	270.0	320.0	369.0
	2.0	54.4	88.8	107.0	123.6	147.8	171.0	184.0	210.0	247.5	280.8	306.0	360.0	414.0
	2.5	60.6	98.8	119.0	136.8	163.5	189.0	203.0	231.6	271.5	307.8	334.0	392.5	450.0
	3.0	65.8	106.8	128.5	147.6	177.0	203.4	218.0	249.6	291.0	331.2	358.0	375.0	429.0

Note : + slope : Uphill, - slope : Downhill
 Minimum Pressure at the end of the lateral is 0.8 kg/cm²