The Marathon Runner





Features & Benefits

Integral, Cylindrical, Pressure Compensating Dripline

State-of-the-art cylindrical PC (Pressure Compensating) dripper ensures highest durability and excellent performance.



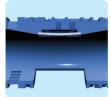
Precision Pressure Compensation

Injection moulded silicone diaphragm ensures precision in pressure compensation helps to maintain high discharge uniformity with diverse water qualities, chemicals and fertilizers.

Individual Double Filter

Individual double filter and flushing mechanism for maximal clog resistance and self-cleaning.





Dynamic Self Cleaning mechanism

Dynamic movement of diaphragm retracts dynamically to throw away particles which are blocking the emitter.

Multiple Outlet Holes

Precision multiple outlets breaks vacuum, prevents sand suction.



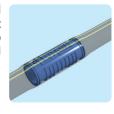


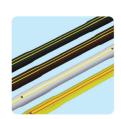
Marked with Two Parallel White Stripes 'Twin- Line $^{\mbox{\scriptsize I\!R}}$ '

Symbol of quality. It also helps to ensure upright positioning of the dripper.

Stringent Quality Control

Each batch is tested for stringent quality parameter. Conforming to Indian standard IS 13488:2008 and international standard ISO 9261.





Flexibility in color selection

Black - for agriculture,

Brown - for landscape application,

White - for greenhouse application,

Purple - for reclaimed water application.

Other Important Features

Manufactured from Special Grade Virgin Plastic Material

Makes the tubing durable and gives best environmental stress crack resistance (ESCR).

Manufactured with Most Modern, State-Of-the-Art Equipment.

It's computerised continuous online quality control monitors emitter spacing and precision in outlet drilling. Thus ensures reliable quality and consistent performance.

Excellent CVm, manufacturer's coefficient of variation

Maintains close dimensional tolerances to ensure best field emission uniformity.

Wide Pressure Compensating Range

Pressure regulation starts as low as 0.5 kg/cm² to as high as 4 kg/cm² pressure.

Longer Lateral Lengths

Can run for longer lengths without compromising the uniformity.

Rodent Deterrent option

Can also be supplied with Rodent Deterrent option (Condition apply)

Applications

- Ideal for irrigation of closely spaced row crops like sugarcane, cotton, banana, strawberry, floriculture, vegetables and spices.
- Suitable for surface as well as sub-surface irrigation.
- Recommended for undulating terrain & steep slopes and where longer lateral running length is necessary.
- Open field application to maintain high field application efficiency.
- Suitable for low operating pressure/ Gravity feed irrigation system.

Specifications

- Nominal Discharges: Turboline PC 16 mm: 1.1, 1.6, 2.2 and 3.5 lph for tubing wall thickness as per pressure class?
 - Turboline PC 20 mm: 0.9, 1.6, 2.2 and 3.8 lph for tubing wall thickness as per pressure class 1.
- Emitter Spacing: Standard emitter spacing of 15, 20, 30, 40, 50, 60, 75, 90, 100, 120 and 150 cm. Any other emitter spacing and group spacing can be supplied on demand.
- Sizes: Standard sizes of 16 and 20 mm nominal diameter.
- Pressure Compensating Range: 0.8 to 4 kg/cm² (7 to 71 psi).

Operating Specifications

- Maintain the operating pressure within the pressure regulating range.
- Specially designed emitting pipe fittings are available.
- 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 further details.
- For subsurface application, install vacuum breaker valves on the submain as well as on the collective drain to avoid soil suction during system shutdown.





Technical Specifications - Tubing

Nominal	Inside		Minimum Wall	Thickness(mm)		Standard Coil
Dia. (mm)	Dia. (mm)	Class-1	Class-2	Class-3	Class-4	Length (m)
*16	14.2	0.5	0.7	1.0	1.3	100, 250, 400
*20	18.0	0.7	0.9	1.2	1.5	100, 250

^{*} Dimensions are as per Indian Standard IS 13488:2008.

Technical Specifications - Emitter Technical Specifications for Emitter - Metric

Nominal Discharge	Emitter exponent	Flow coefficient	Coeff. of Flow path mfgr. variation, dimensions (mm)				Inlet filter		
(lph)	х	k	CVm	Length	Width	Depth	area (mm²)		
16 mm									
1.1	0	1.1	2.5	60	0.70	0.98	14.08		
1.6	0	1.6	2.5	60	0.78	1.08	14.08		
2.2	0	2.2	1.5	60	0.80	1.10	14.08		
3.5	0	3.5	4.0	60	1.04	1.32	14.08		
			20 mm						
0.9	0	0.9	2.5	110	0.74	1.10	7.29		
1.6	0	1.6	2.5	87	1.04	1.10	9.20		
2.2	0	2.2	3.0	87	1.04	1.30	11.00		
3.8	0	3.8	3.0	128	1.00	1.20	14.40		

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

Technical Specifications for Emitter - US

Nominal Discharge	Emitter exponent	Flow coefficient	Coeff. of mfgr. variation,	din	Flow path nensions (in	nch)	Inlet filter area	
(gph)	X	k	CVm	CVm Length Width Depth		Depth	(inch²)	
	16 mm							
0.29	0	0.290	2.5	2.36	0.028	0.039	0.022	
0.42	0	0.423	2.5	2.36	0.031	0.043	0.022	
0.58	0	0.581	1.5	2.36	0.031	0.043	0.022	
0.93	0	0.925	3.0	2.36	0.041	0.052	0.022	
			20 mm					
0.24	0	0.238	2.5	4.33	0.023	0.043	0.011	
0.42	0	0.423	2.5	3.43	0.041	0.043	0.014	
0.58	0	0.581	3.0	3.43	0.041	0.051	0.017	
1.00	0	1.004	3.0	5.04	0.04	0.047	0.022	

 $Flow\ equation\ q=kH^x,\ q=Nominal\ Discharge,\ gph,\ H=Pressure\ head,\ psi,\ x=Emitter\ exponent$

Performance Graph

Jain Turboline PC 16mm OD (14.2mm ID) Pressure (psi) 28.44 42.66 56.88 14.22 6 Nominal Discharge (gph) Nominal Discharge (lph) 5 1.2 16 mm - 3.5 lph 4 3 16 mm - 2.2 lph 0.6 2 16 mm - 1.6 lph 0.4 1 16 mm - 1.1 lph _{-0.2} 0 0 2.0 3.0 4.0 Pressure (kg/cm²)

Note: Performance graph for Jain Turboline PC® as per Pressure Class-2

Turboline PC 20mm OD (18mm ID) Pressure (psi) 14.22 28.44 56.88 6 (ddb) Nominal Discharge (Iph) 5 1.2 20 mm - 3.8 lph Nominal Discharge 3 20 mm - 2.2 lph 0.6 20 mm - 1.6 lph 0.4 20 mm - 0.9 lph 0.2 0 1.0 2.0 3.0 4.0 Pressure (kg/cm²)

Note: Performance graph for Jain Turboline PC® as per Pressure Class-1.

Technical Specifications for Emitter with different wall thickness tube

Size	Nominal Discharge (lph)	ess (mm) 0.5 - 0.6 0.7 - 0.9 1.1 1.4 1.3 1.6 2.0 2.0 2.2 2.8 2.6 3.5 3.8 3.6 ess (mm) 0.7 - 0.8 0.9 - 1.1 0.9 1.1 0.9						
	Wall thickness (mm)	0.5 - 0.6	0.7 - 0.9	1.0 - 1.2				
	1.1	1.4	1.3	1.1				
16	1.6	2.0	2.0	1.30				
16	2.2	2.8	2.6	2.2				
	3.5	3.8	3.6	2.8				
	Wall thickness (mm)	0.7 - 0.8	0.9 - 1.1	1.2 - 1.4				
	0.9	1.1	0.9	MTO				
20	1.6	2.0	1.7	MTO				
20	2.2	2.6	1.8	MTO				
	3.8	4.3	4.0	MTO				

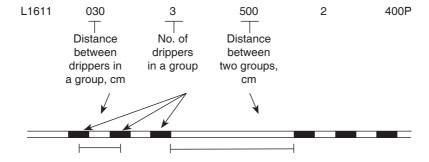
Note: MTO refers to Make To Order

Ordering Specifications

L	XX	XX	XXX	X	XXX	Р	X
	Nominal diam- eter in mm	Nominal Discharge in lph x 10	Dripper Spacing in cm	Pressure Rating Class	Coll	P - Pressure compensat- ing	Color of the tube Blank - Standard Black with 'Twin Line' B - Brown (Landscape) W - White (Greenhouse) P - Purple (Reclaimed Water)

Example : L16400602400P - This code refers to Turboline PC option of 16mm nominal diameter having nominal discharge of 4.0 lph, emitter spaced at 60 cm, pressure rating class-2 and standard coil length of 400 m black tube with 'Twin Line'.

- Turboline PC is manufactured with ID control and declared OD are nominal. If you have specific ID or OD requirement, please mention while ordering.
- Turboline PC can be supplied in any other wall thickness and pressure ratings.
- Turboline PC can be supplied in group spacing on request. Specify distance between drippers in the group, distance between two groups & no. of drippers in a group (minimum three drippers) as,





16.0 mm ND (14.2 mm ID), Class 2, nominal discharge 1.1 lph

Olama				Dripper	Spacing (cm)				
Slope %	Inlet Pressure	15 cm	20 cm	30 cm	40 cm	50 cm	60 cm	75 cm	90 cm	100 cm
/6	(kg/cm²)					Length (m)			
	1.0	50.7	60.2	76.5	94.8	108.0	120.6	136.5	153.0	160.0
	1.5	66.4	79.2	102.0	128.0	148.5	166.8	193.5	221.4	234.0
2	2.0	77.3	92.4	119.4	151.2	175.5	198.6	232.5	267.3	285.0
	2.5	85.8	102.8	133.2	169.2	197.0	223.8	262.5	304.2	324.0
ĺ	3.0	93.0	111.6	144.6	184.0	215.0	244.8	287.3	333.9	356.0
	1.0	54.9	66.2	86.7	112.0	132.0	151.8	180.8	214.2	230.0
	1.5	69.7	84.2	110.4	142.0	168.0	192.6	230.3	271.8	293.0
0	2.0	80.3	96.8	126.9	163.6	193.0	221.4	264.8	312.3	336.0
	2.5	88.5	106.8	139.8	180.4	213.0	244.2	291.8	344.7	371.0
	3.0	95.6	115.2	150.9	194.8	229.5	264.0	315.0	371.7	401.0
	1.0	59.2	72.4	97.5	129.6	156.5	184.2	227.3	278.1	304.0
Ì	1.5	73.2	89.0	118.8	156.4	187.5	218.4	267.0	323.1	353.0
-2	2.0	83.3	101.0	134.4	176.0	210.0	244.2	297.0	358.2	389.0
İ	2.5	91.4	110.8	146.7	191.6	228.5	265.2	321.8	386.1	419.0
İ	3.0	98.1	118.8	157.5	205.2	244.5	283.2	342.8	410.4	446.0
Note: +v	ve Slope : Uphill,	-ve Slope :	Downhill							•

Note: +ve Slope : Uphill, -ve Slope : Downhill

Minimum Pressure at the end of the lateral is 0.5 kg/cm²

16.0 mm ND (14.2 mm ID), Class 2, nominal discharge 1.6 lph

Slone				Dripper	Spacing (cm)				
Slope %	Inlet Pressure	15 cm	20 cm	30 cm	40 cm	50 cm	60 cm	75 cm	90 cm	100 cm
/6	(kg/cm²)				l	Length (m)			
	1.0	44.1	52.8	67.5	94.8	98.0	109.2	125.3	140.4	148.0
	1.5	57.4	69.2	89.1	128.0	133.0	150.0	175.5	199.8	212.0
2	2.0	66.7	80.6	104.4	151.2	157.0	177.6	209.3	240.3	256.0
	2.5	74.1	89.6	116.1	169.2	175.5	199.8	235.5	271.8	290.0
	3.0	80.3	97.0	126.0	184.0	191.5	217.8	258.0	297.9	318.0
	1.0	47.2	57.4	75.3	112.0	116.5	133.8	160.5	188.1	203.0
0	1.5	60.0	73.0	95.7	142.0	148.0	169.8	204.0	239.4	257.0
	2.0	69.0	83.8	109.8	163.2	170.5	195.6	234.8	274.5	296.0
	2.5	76.2	92.6	121.2	180.4	188.0	215.4	258.8	303.3	327.0
	3.0	82.2	99.8	130.8	194.8	203.0	232.8	279.0	327.6	353.0
	1.0	50.4	62.0	83.1	129.6	135.5	159.0	196.5	237.6	260.0
	1.5	62.5	76.6	102.0	156.4	163.5	190.2	233.3	279.0	304.0
-2	2.0	71.2	87.0	115.5	176.0	184.0	213.0	260.3	310.5	337.0
	2.5	78.2	95.4	126.3	191.6	200.5	232.2	282.0	335.7	364.0
	3.0	84.0	102.6	135.6	205.2	214.5	247.8	300.8	357.3	387.0
Note: +v	e Slope : Uphill,	ve Slope :	Downhill							

Note: +ve Slope : Uphill, -ve Slope : Downhill Minimum Pressure at the end of the lateral is 0.5 kg/cm²

Maximum Running Length for Turboline PC®

16.0 mm ND (14.2 mm ID), Class 2, nominal discharge 2.2 lph

01				Dripper	Spacing (cm)				
Slope %	Inlet Pressure	15 cm	20 cm	30 cm	40 cm	50 cm	60 cm	75 cm	90 cm	100 cm
/6	(kg/cm²)					Length (m)			
	1.0	42.1	50.4	68.4	76.8	84.0	88.8	104.3	119.7	126.0
	1.5	54.9	66.0	90.6	102.8	113.5	120.0	143.3	166.5	177.0
2	2.0	63.9	76.8	106.2	120.4	133.5	141.6	169.5	198.0	212.0
	2.5	70.9	85.6	118.5	134.8	149.0	158.4	190.5	223.2	239.0
	3.0	77.0	92.8	128.7	146.4	162.5	172.8	207.8	243.9	261.0
	1.0	44.8	54.4	76.5	87.6	97.5	103.8	126.8	150.3	162.0
	1.5	57.1	69.4	97.2	111.2	124.0	132.6	161.3	191.7	206.0
0	2.0	65.8	79.8	112.2	128.4	143.0	152.4	186.0	220.5	238.0
	2.5	72.7	88.2	123.9	141.6	158.0	168.6	205.5	243.9	263.0
	3.0	78.6	95.4	133.8	153.2	170.5	182.4	222.0	263.7	284.0
	1.0	47.7	58.6	84.6	98.4	111.0	119.4	149.3	182.7	199.0
	1.5	59.5	72.8	104.1	120.0	135.0	144.6	180.0	217.8	237.0
-2	2.0	67.9	82.8	117.9	136.0	152.5	163.2	201.8	243.9	264.0
	2.5	74.6	91.0	129.3	148.8	166.5	178.8	220.5	264.6	287.0
	3.0	80.4	97.8	138.9	159.6	178.5	191.4	235.5	283.5	307.0
Note: +\	ve Slope : Uphill,	ve Slope :	Downhill							

Note: +ve Slope : Uphill, -ve Slope : Downhill Minimum Pressure at the end of the lateral is 0.5 kg/cm²

16.0 mm ND (14.2 mm ID), Class 2, nominal discharge 3.5 lph

01				Dripper	Spacing (cm)				
Slope %	Inlet Pressure	15 cm	20 cm	30 cm	40 cm	50 cm	60 cm	75 cm	90 cm	100 cm
/6	(kg/cm²)					Length (m)			
	1.0	21.5	25.6	32.4	38.4	44.5	51.0	57.8	64.8	67.0
	1.5	34.9	42.0	54.6	66.0	78.5	91.8	106.5	124.2	132.0
2	2.0	42.7	51.6	67.2	81.2	97.0	114.6	134.3	157.5	168.0
	2.5	48.4	58.6	76.5	92.8	111.5	131.4	154.5	182.7	195.0
	3.0	53.2	64.4	84.3	102.4	122.5	145.2	171.0	202.5	216.0
	1.0	23.4	28.4	37.2	45.6	55.0	66.0	78.0	93.6	101.0
	1.5	36.3	44.0	57.9	70.8	85.5	102.0	121.5	145.8	157.0
0	2.0	43.8	53.2	70.2	85.6	103.5	123.6	147.0	175.5	189.0
	2.5	49.5	60.0	79.2	96.8	117.0	139.8	165.8	198.9	214.0
	3.0	54.1	65.8	86.7	106.0	128.0	153.0	181.5	217.8	234.0
	1.0	25.3	31.2	42.3	53.2	66.0	81.0	99.8	124.2	137.0
	1.5	37.6	46.0	61.5	76.0	93.0	112.8	136.5	167.4	181.0
-2	2.0	45.0	54.8	72.9	90.0	110.0	132.6	159.8	194.4	210.0
	2.5	50.5	61.6	81.9	100.8	122.5	147.6	177.0	215.1	233.0
	3.0	55.0	67.2	89.1	109.6	133.0	160.2	192.0	232.2	251.0
Note: +v	e Slone · Unhill	-ve Slope :	Downhill	•	•	•				

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



Maximum Running Length for Turboline PC®

20.0 mm ND (18 mm ID), Class 1, Field Emission Uniformity (%) for nominal discharge 0.9 lph

				Dripper	Spacing (cm)							
Slope %	Inlet Pressure	15 cm	20 cm	30 cm	40 cm	50 cm	60 cm	75 cm	90 cm	100 cm			
/0	(kg/cm²)		Length (m)										
	1.0	56.2	63.6	74.1	82.4	87.0	90.6	93.0	95.4	96.0			
	1.5	103.1	121.0	150.9	182.8	205.0	224.4	248.3	270.0	279.0			
2	2.0	128.9	152.4	193.5	239.2	272.5	302.4	343.5	382.5	400.0			
	2.5	147.8	175.6	224.4	280.0	321.5	360.0	412.5	466.2	490.0			
	3.0	163.2	194.4	249.3	312.8	361.0	405.6	468.8	533.7	563.0			
	1.0	75.3	90.6	118.8	153.2	181.0	207.6	248.3	292.5	315.0			
	1.5	116.4	140.2	183.9	236.8	279.5	321.0	383.3	452.7	488.0			
0	2.0	140.1	169.0	221.4	285.6	337.0	387.0	462.0	546.3	588.0			
	2.5	158.0	190.4	249.6	322.0	380.0	436.2	520.5	615.6	663.0			
	3.0	172.7	208.0	272.7	351.6	415.0	476.4	569.3	672.3	724.0			
	1.0	95.1	119.4	168.0	233.6	291.5	352.2	450.0	569.7	633.0			
	1.5	129.9	160.0	217.8	293.2	357.5	423.6	528.8	654.3	721.0			
-2	2.0	151.7	185.6	250.2	332.8	403.0	474.0	585.8	718.2	787.0			
	2.5	168.3	205.4	275.4	364.4	439.0	514.2	632.3	733.5	842.0			
	3.0	182.1	221.8	296.4	390.8	469.5	548.4	671.3	733.5	890.0			
Note: +v	e Slope : Uphill,	-ve Slope :	Downhill										

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

20 mm OD (18 mm ID), Class 1, Field Emission Uniformity (%) for nominal discharge 1.6 lph

				Dripper	Spacing (cm)				
Slope %	Inlet Pressure	15 cm	20 cm	30 cm	40 cm	50 cm	60 cm	75 cm	90 cm	100 cm
/5	(kg/cm²)				ı	Length (m)			
	1.0	63.6	75.4	94.8	129.2	133.0	146.4	164.3	179.1	186.0
	1.5	84.0	100.6	128.4	181.2	187.5	209.4	241.5	270.9	285.0
2	2.0	98.0	117.8	151.5	216.4	224.5	252.6	294.0	333.9	353.0
	2.5	109.1	131.2	169.5	244.0	253.0	286.2	334.5	382.5	406.0
	3.0	118.4	142.6	184.5	266.8	277.0	313.8	368.3	423.0	450.0
	1.0	70.5	85.6	112.2	166.8	174.0	199.8	239.3	280.8	302.0
	1.5	89.6	108.8	142.5	212.0	221.0	253.8	303.8	356.4	384.0
0	2.0	102.9	125.0	163.8	243.6	254.0	291.6	349.5	409.5	441.0
	2.5	113.6	137.8	180.9	268.8	280.0	321.6	385.5	452.7	487.0
	3.0	122.6	148.8	195.0	290.0	302.5	346.8	416.3	487.8	526.0
	1.0	77.4	95.8	129.9	205.6	216.0	255.0	318.8	389.7	428.0
	1.5	95.1	117.0	156.6	243.2	255.0	298.2	369.0	445.5	486.0
-2	2.0	107.9	132.2	176.4	271.2	284.0	331.2	406.5	487.8	532.0
	2.5	118.1	144.6	192.3	294.0	307.5	357.6	438.0	523.8	570.0
	3.0	126.8	155.0	205.8	313.6	328.0	380.4	465.0	554.4	603.0
Note: +v	e Slope : Uphill.	-ve Slope :	Downhill							

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

Maximum Running Length for Turboline PC®

18.0 mm ND (18 mm ID), Class 1, Field Emission Uniformity (%) for nominal discharge 2.2 lph

Olama				Dripper	Spacing (cm)				
Slope %	Inlet Pressure	15 cm	20 cm	30 cm	40 cm	50 cm	60 cm	75 cm	90 cm	100 cm
	(kg/cm²)					Length (m)			
	1.0	61.0	72.4	96.6	107.6	117.0	123.0	141.8	158.4	166.0
	1.5	80.7	96.6	131.4	148.0	162.5	171.6	201.8	231.3	245.0
2	2.0	94.2	113.2	155.1	175.2	193.0	204.6	243.0	280.8	299.0
	2.5	105.0	126.2	173.7	196.8	217.5	231.0	275.3	320.4	341.0
	3.0	114.0	137.4	189.6	215.2	237.5	252.6	302.3	352.8	376.0
	1.0	67.5	81.8	114.9	131.2	146.5	156.0	190.5	225.9	243.0
	1.5	85.8	104.0	146.1	167.2	186.0	198.6	242.3	288.0	310.0
0	2.0	98.9	119.8	168.3	192.4	214.5	229.2	279.0	331.2	357.0
	2.5	109.2	132.4	185.7	212.8	237.0	253.2	308.3	366.3	394.0
	3.0	117.9	143.0	200.7	229.6	256.0	273.6	333.0	396.0	426.0
	1.0	73.8	91.2	133.2	155.6	176.5	190.8	240.8	297.9	326.0
	1.5	91.1	111.8	161.1	186.8	210.5	226.8	283.5	346.5	378.0
-2	2.0	103.4	126.6	181.5	210.0	236.0	253.8	315.0	383.4	417.0
	2.5	113.4	138.6	198.0	228.4	256.5	275.4	341.3	413.1	449.0
	3.0	121.8	148.8	212.1	244.4	274.5	294.6	363.8	440.1	477.0
Note: +\	ve Slope : Uphill, -	ve Slope :	Downhill							

Note: +ve Slope : Uphill, -ve Slope : Downhill Minimum Pressure at the end of the lateral is 0.5 kg/cm²

20 mm ND (18 mm ID), Class 1, Field Emission Uniformity (%) for nominal discharge 3.8 lph

Slope %	Dripper Spacing (cm)									
	Inlet Pressure (kg/cm²)	15 cm	20 cm	30 cm	40 cm	50 cm	60 cm	75 cm	90 cm	100 cm
/6		Length (m)								
2	1.0	43.3	51.8	66.6	79.2	93.0	107.4	122.3	139.5	147.0
	1.5	56.7	68.2	88.5	106.4	126.0	147.6	171.0	198.9	211.0
	2.0	66.0	79.4	103.5	124.8	149.0	175.2	204.0	238.5	254.0
	2.5	73.3	88.4	115.5	139.6	167.0	196.8	230.3	270.9	289.0
	3.0	79.5	96.0	125.4	152.0	182.0	214.8	252.0	297.0	317.0
0	1.0	46.3	56.2	74.1	90.8	109.5	130.8	155.3	186.3	200.0
	1.5	59.1	71.8	94.5	115.6	139.5	166.8	198.0	237.6	255.0
	2.0	68.1	82.6	108.9	133.2	161.0	192.0	228.0	273.6	294.0
	2.5	75.3	91.4	120.6	147.2	178.0	212.4	252.8	302.4	325.0
	3.0	81.5	98.8	130.2	159.2	192.5	229.8	273.0	326.7	352.0
-2	1.0	49.5	60.8	81.9	102.4	126.5	154.8	189.8	234.9	257.0
	1.5	61.6	75.4	100.8	124.8	153.5	186.6	225.8	277.2	301.0
	2.0	70.3	85.8	114.6	141.6	173.0	209.4	252.8	308.7	335.0
	2.5	77.3	94.4	125.7	154.8	189.0	228.6	275.3	334.8	363.0
	3.0	83.3	101.6	135.0	166.4	202.5	244.8	294.0	357.3	386.0

Note: +ve Slope : Uphill, -ve Slope : Downhill Minimum Pressure at the end of the lateral is 0.5 kg/cm²

