



## Pressure Compensating (PC) Pipes:

### 2.0L/H & 3.8 L/H

In-line PC driplines are designed to deliver precise and equal amounts of water over a broad pressure range of 0.5 to 4.0 bar.

Primarily used for the precision irrigation of vegetables, fruits, and flowers in open fields; greenhouses; gardening; and orchards, NDICO/Al Wataniyeh's PC dripline has the ability to stretch far longer than GR driplines, which in turn reduces costs incurred by the installation of submain pipes and power consumption.

Built to scale, farms utilizing PC Pipes offer better control for optimized farm management.



## Advantages

- Ideal for use on inclined and hilly topography.
- The cylindrical PC dripper has an effective self-flushing mechanism that ensures non-clogging for an uninterrupted operation.
- The consistency of the irrigation water enhances the consistency in the size and shape of the crops; reflecting positively on their marketability, hence increasing ROI.
- The cylindrical PC dripper is enclosed with a silicon membrane for optimal pressure compensation. This provides great resistance to fertilizers and chemicals.

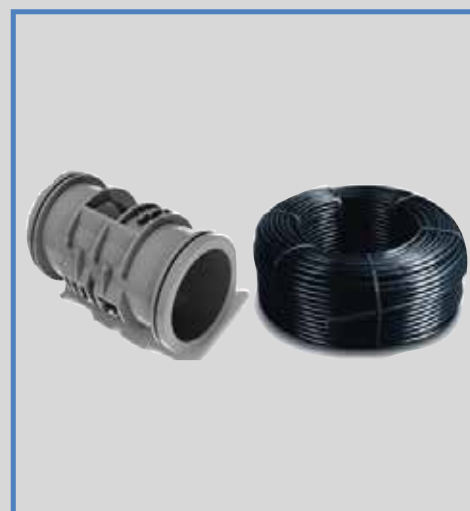
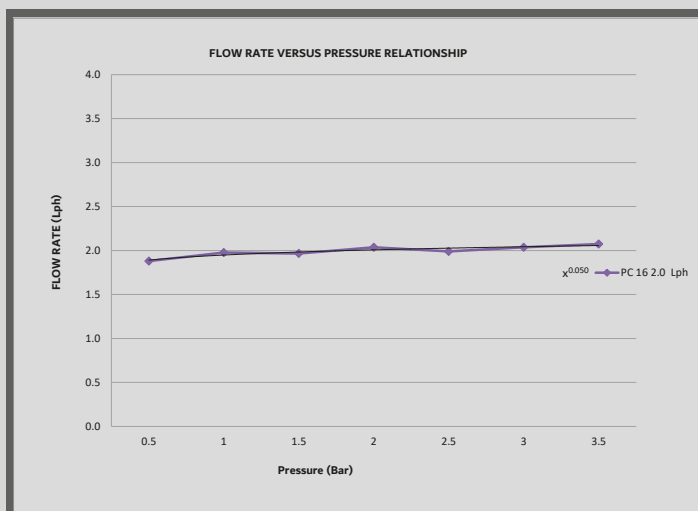
## Specs

- Compensation range spans from 0.5 to 4.0 bar, one of the widest in the market.
- Available in 16 mm diameter (3/8 inch).
- Available in Drain (D), Non-Drain (ND), and Anti-Siphon (AS) options.
- In order to achieve the non-drain function in ND drippers, the dripper opens at 0.3 bar and closes at 0.18 bar.
- Filtration requirement is 120 mesh.

# Maximum Recommended Lengths (in meters):

PC 16mm 2.0 L/H						
Distance Between Drippers (meters)	Inlet Pressure (bar)					
	1.5	2	2.5	3	3.5	4
0.25	58	70	80	90	100	105
0.3	67	85	90	100	105	115
0.33	75	90	100	105	115	120
0.4	85	105	115	125	130	140
0.5	105	125	135	145	155	165
0.6	120	140	155	165	175	185

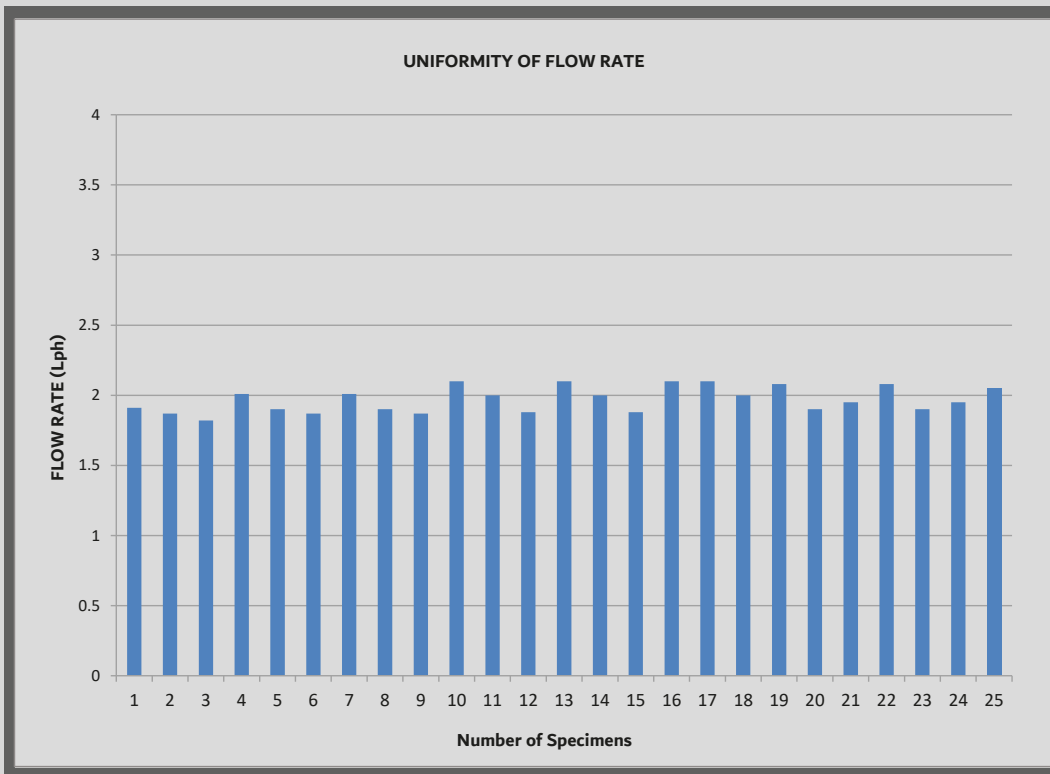
PC 16mm 2.0 LPH				
BAR	1	2	3	Ave.
0.5	1.91	1.87	1.86	1.88
1	2.05	2	1.88	1.98
1.5	2.08	1.95	1.87	1.97
2	2.01	2.1	2	2.04
2.5	2.01	2.01	1.95	1.99
3	2.14	1.95	2.02	2.04
3.5	2.14	2.1	1.98	2.07



# Flow Rate

## PC 16 2.0 lph

Number Of Specimens	25
Min. Flow Rate Lph	1.90
Max. Flow Rate Lph	2.07
Nominal Flow Rate (Q)	2.00
Standard Deviation (SD)	0.10
Mean Flow Rate (Qave)	1.97
Coeff. of Variation (C V)	0.05
Emission uniformity coeff. (EUC)	%96.44



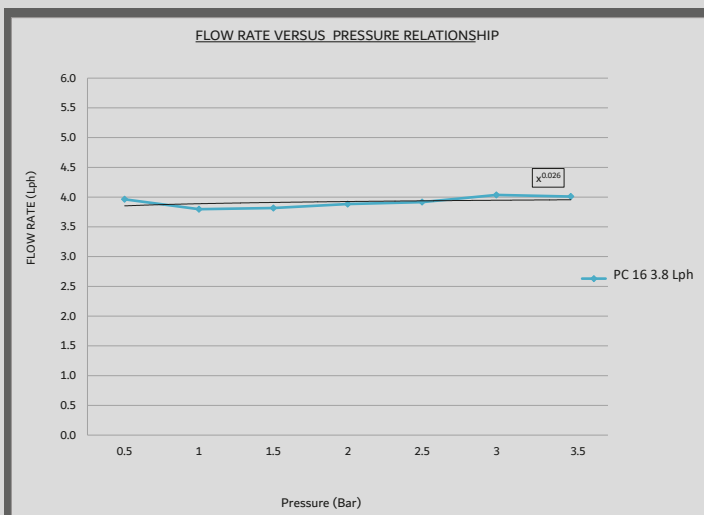
# Maximum Recommended Lengths (in meters):

## PC 16mm 3.8 L/H

Distance Between Drippers (meter)	Inlet Pressure (bar)					
	1.5	2	2.5	3	3.5	4
0.25	45	52	58	62	66	70
0.3	52	58	66	70	75	80
0.33	58	62	70	75	80	84
0.4	66	75	80	88	92	97
0.5	80	88	96	105	110	115
0.6	88	96	110	115	125	130

## PC 16mm , 3.8 LPH

BAR	1	2	3	Ave.
0.5	4.06	3.9	3.93	3.96
1	3.83	3.76	3.8	3.80
1.5	3.82	3.7	3.93	3.82
2	3.91	3.74	4	3.88
2.5	3.78	4.04	3.93	3.92
3	4	4.05	4.06	4.04
3.5	3.95	4.04	4.04	4.01



# UNIFORMITY OF FLOW RATE

PC 16 3.8 lph

<b>Number Of Specimens</b>	25
<b>Min. Flow Rate Lph</b>	3.68
<b>Max. Flow Rate Lph</b>	4.04
<b>Nominal Flow Rate (Q)</b>	3.80
<b>Standard Deviation (SD)</b>	0.08
<b>Mean Flow Rate (Qave)</b>	3.82
<b>Coeff. of Variation (C V)</b>	0.02
<b>Emission uniformity coeff. (EUC)</b>	%96.30

## UNIFORMITY OF FLOW RATE

