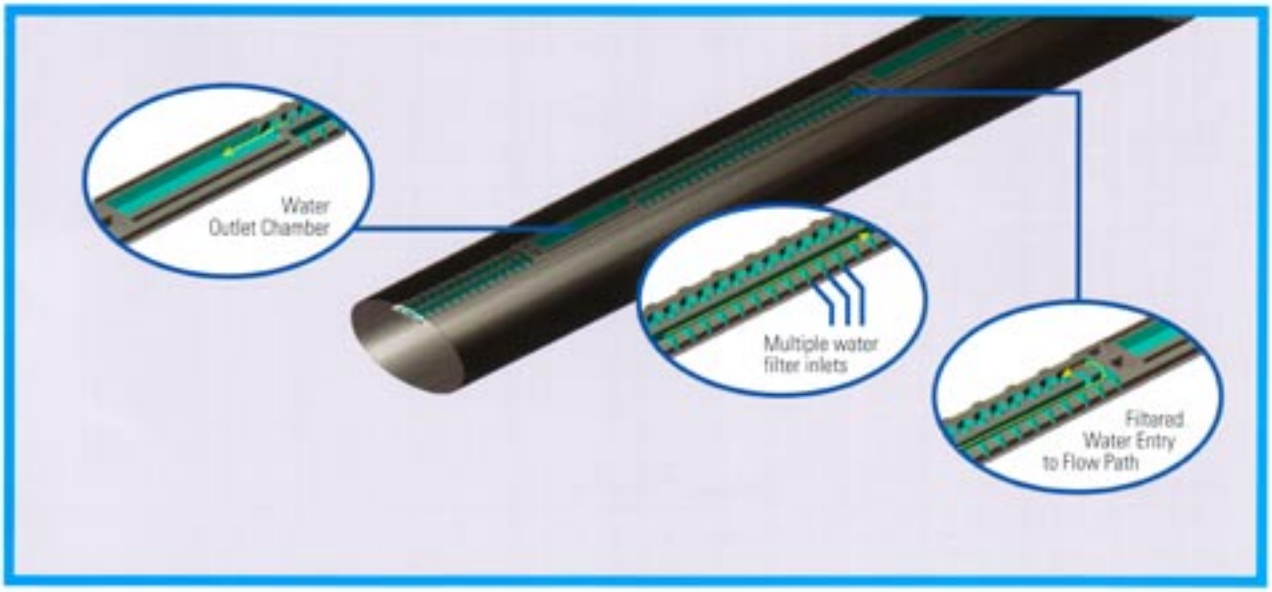
Hydrolite

Seamless thin walled dripline



Main features

- Highly resistant to clogging due its unique flow path design.
- The combination of large square cross segments, turbulent water flow and multiple water filter inlets, provide an outstanding protection against plugging.
- Tough seamless tube.
- Excellent flow rate uniformity, manufacturing Cv ≤ 0.03.
- Choice of spacing between emitters in 15 cm (6”) increments.
- The closely spaced outlets and low flow rates ensure a continous wetted strip even when small water amounts are applied.

Specifications

- Inside diameter:
  16 or 22 mm
  0.630” or 0.870”.
- Wall thickness:
  8,10 or 12 mil
  (200, 250, 300 micro)

Choice of two flow rates:

0.37 lph at 0.55 bar
0.10 gph at 8 psi

or high flow:

0.63 lph at 0.55 bar
0.17 gph at 8 psi

Operating pressure range:

8 mil: 0.5–1.2 bar*, 7-18* psi
10 or 12 mil: 0.5–1.5 bar*, 7-22* psi

*)Maximum allowed operating pressure

Hydrolite

Hydrolite 16 mm - 0.630˝ / 8 mil

Maximum dripline length (m) on flat terrain at +/- 5% flow variation*

Metric units		
Outlet spacing	Flow rate lph 100m/0.55 bar	Length of run (m)
15 cm	246	128
30 cm	123	206
45 cm	82	271
15 cm	419	95
30 cm	210	153
45 cm	140	201

US units		
Outlet spacing	Flow rate gph 100ft / 8 psi	Length of run (ft)
6˝	20.0	420
12˝	10.0	676
18˝	6.7	889
6˝	34.5	312
12˝	17.3	502
18˝	11.5	660

* (Q min / Q max) x 100

Maksimum dripline length (m) on flat terrain EU 90%

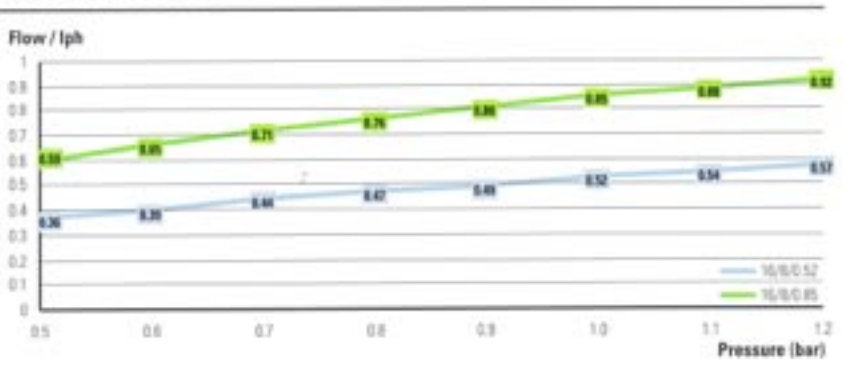
Metric units		
Outlet spacing	Flow rate lph 100m/0.55 bar	Length of run (m)
15 cm	246	204
30 cm	123	329
45 cm	82	430
15 cm	419	151
30 cm	210	243
45 cm	140	318

US units		
Outlet spacing	Flow rate gph 100ft / 8 psi	Length of run (ft)
6˝	20.0	669
12˝	10.0	1079
18˝	6.7	1410
6˝	34.5	695
12˝	17.3	797
18˝	11.5	1043

Hydrolite 16 mm - 8 mil

Metric units		
Pressure (bar)	Flow rates lph	
	Low Flow	High Flow
0.6	0.39	0.65
0.8	0.47	0.76
0.9	0.49	0.80
1.0	0.52	0.85

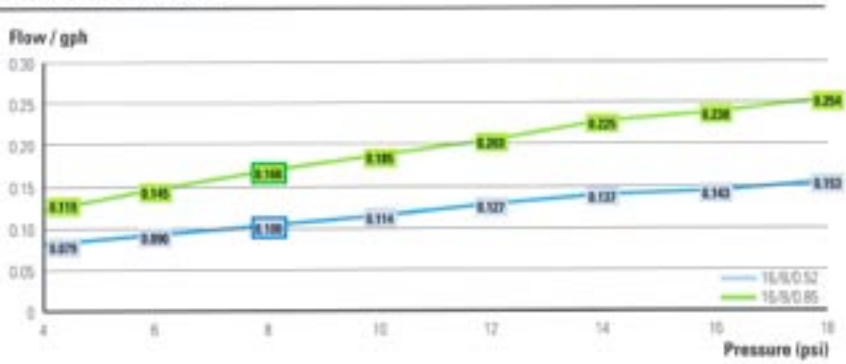
Flow vs. Pressure



Hydrolite 0.630˝ - 8 mil

US units		
Pressure (psi)	Flow rates gph	
	Low Flow	High Flow
8	0.100	0.166
10	0.114	0.185
12	0.127	0.203
14.5	0.138	0.225

Flow vs. Pressure



The data in this leaflet is intended to provide general information only.
Please contact Scangrow, if you have any questions regarding design of dripline systems.

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