

THIN TO MEDIUM-WALLED PC FLAT DRIPLINE

# TopDrip



Innovative, cost effective, pressure-compensating (PC) and anti-syphon (PC AS) thin to medium-walled dripline models based on the cascade labyrinth



**TopDrip PC**  
1.0, 1.6, 2.0, 2.2 l/h



**TopDrip PC AS**  
1.0, 1.6, 2.0, 2.2 l/h

## APPLICATIONS

- Row crops like Sugercane, vegetables etc.
- Subsurface drip irrigation (SDI)
- Variable topography
- Irrigation of long rows with high uniformity

## STRUCTURE AND FEATURES

- Accurate pressure-compensating dripper
- Low CV: 3.0%
- Cascade labyrinth incorporated for maximal clog resistance
- Protection from root intrusion
- Unique double self-cleaning mechanism
- Allows longer laterals with EU of 95%
- Large water passages for optimal durability at low flow rates
- Multiple channel water inlet for operation under heavy dirt load
- Close dripper spacing creates a continuous wetted strip

## TOPDRIP PACKAGING AND SHIPPING

Carton spools						
Nominal diameter (mm)	Wall thickness (mil)	Standard coil* length (m)	Coils per pallet	Coils per 20 ft. container	Coils per 40 ft. container	Coils per 40 ft. HC container
12	13	1250	16	320	640	720
	15	1250	16	320	640	720
	18	1000	16	320	640	720
	25	700	16	320	640	720
16	13	1250	16	320	640	720
	15	1250	16	320	640	720
	18	1150	16	320	640	720
	25	600	16	320	640	720
22	13	550	16	320	640	720
	15	500	16	320	640	720
	18	450	16	320	640	720
	25	375	16	320	640	720

\* Dripper spacing can affect coil length.

## TECHNICAL DATA

Nominal diameter	Wall thickness		ID (mm)	OD (mm)	Max. Pressure (bar)	KD	Connectors
	mil	mm					Tape
12	13	0.33	12.46	11.8	1.5	1.03	●
	15	0.38	12.56	11.8	2.0	1.03	●
	18	0.45	12.70	11.8	2.2	1.03	●
	25	0.63	13.06	11.8	3.0	1.03	●
16	13	0.33	16.2	16.86	1.4	0.4	●
	15	0.38	16.2	16.96	1.8	0.4	●
	18	0.45	15.8	16.70	2.0	0.4	●
	25	0.63	15.6	16.86	2.5	0.4	●
22	13	0.33	22.2	22.86	1.2	0.3	●
	15	0.38	22.2	22.96	1.4	0.3	●
	18	0.45	22.2	23.10	1.7	0.3	●
	25	0.63	22.2	23.46	2.0	0.3	●

## SPECIAL MODEL

- PC AS: Anti-syphon design prevents suction at draining stage
- Recommended for subsurface drip irrigation

## TECHNICAL DATA

- Flow rate: 1.0, 1.6, 2.0, 2.2 l/h
- Pressure regulating range: 0.4-3.0 bar
- Operating pressure: 0.4-3.0 bar, according to wall thickness
- Wall thickness: 13-25 mil, 0.33-0.63 mm
- Recommended filtration: 130 micron (120 mesh)



THIN TO MEDIUM-WALLED PC FLAT DRIPLINE

# TopDrip 12 mm

HEAD LOSS (m) IN RELATION TO LATERAL LENGTH (m), DRIPPER FLOW RATE AND SPACING (cm)

**TopDrip 12 1.0 l/h, W.T 13 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.4	0.1	0.1	0.0	0.0	0.0	0.0
40	2.2	0.8	0.4	0.3	0.2	0.1	0.1
60	6.2	2.4	1.3	0.8	0.5	0.4	0.2
80		5.2	2.7	1.6	1.1	0.8	0.4
100		9.3	4.8	2.9	2.0	1.4	0.6
120			7.8	4.8	3.2	2.3	1.1
140				7.2	4.8	3.5	1.6
160				10.3	6.9	4.9	2.3
180					9.5	6.8	3.2
200						9.0	4.2
220							5.5
240							6.9
260							8.6
280							10.6

**TopDrip 12 1.0 l/h, W.T 15 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.4	0.1	0.1	0.0	0.0	0.0	0.0
40	2.2	0.8	0.4	0.3	0.2	0.1	0.1
60	6.2	2.4	1.3	0.8	0.5	0.4	0.2
80	13.1	5.2	2.7	1.6	1.1	0.8	0.4
100		9.3	4.8	2.9	2.0	1.4	0.6
120		15.0	7.8	4.8	3.2	2.3	1.1
140			11.8	7.2	4.8	3.5	1.6
160				10.3	6.9	4.9	2.3
180				14.1	9.5	6.8	3.2
200					12.6	9.0	4.2
220						11.7	5.5
240						14.8	6.9
260							8.6
280							10.6
300							12.7
320							15.2

**TopDrip 12 1.0 l/h, W.T 18 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.4	0.1	0.1	0.0	0.0	0.0	0.0
40	2.2	0.8	0.4	0.3	0.2	0.1	0.1
60	6.2	2.4	1.3	0.8	0.5	0.4	0.2
80	13.1	5.2	2.7	1.6	1.1	0.8	0.4
100		9.3	4.8	2.9	2.0	1.4	0.6
120		15.0	7.8	4.8	3.2	2.3	1.1
140			11.8	7.2	4.8	3.5	1.6
160				16.8	10.3	6.9	2.3
180					14.1	9.5	6.8
200						12.6	9.0
220						16.3	11.7
240							14.8
260							8.6
280							10.6
300							12.7
320							15.2
340							17.9

**TopDrip 12 1.0 l/h, W.T 25 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.3	0.1	0.1	0.0	0.0	0.0	0.0
40	1.9	0.7	0.4	0.2	0.2	0.1	0.1
60	5.3	2.1	1.1	0.7	0.5	0.3	0.2
80	11.3	4.5	2.4	1.5	1.0	0.7	0.3
100	20.3	8.1	4.3	2.6	1.8	1.3	0.6
120		13.2	7.0	4.3	2.9	2.1	1.0
140		19.8	10.5	6.5	4.4	3.1	1.5
160			15.0	9.3	6.3	4.5	2.1
180			20.6	12.7	8.6	6.2	2.9
200				16.9	11.4	8.3	3.9
220				21.8	14.8	10.7	5.1
240					18.7	13.5	6.4
260					23.3	16.8	8.0
280						20.6	9.8
300						24.8	11.9
320							14.2
340							16.7
360							19.6
380							22.7

**TopDrip 12 1.6 l/h, W.T 13 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.8	0.3	0.2	0.1	0.1	0.0	0.0
40	4.6	1.8	0.9	0.6	0.4	0.3	0.1
60		5.2	2.7	1.7	1.1	0.8	0.4
80		11.1	5.8	3.6	2.4	1.7	0.8
100			10.6	6.4	4.3	3.1	1.5
120				10.5	7.1	5.1	2.4
140					10.7	7.7	3.6
160						11.0	5.2
180							7.1
200							9.5

**TopDrip 12 1.6 l/h, W.T 15 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.8	0.3	0.2	0.1	0.1	0.0	0.0
40	4.6	1.8	0.9	0.6	0.4	0.3	0.1
60	13.2	5.2	2.7	1.7	1.1	0.8	0.4
80		11.1	5.8	3.6	2.4	1.7	0.8
100			10.6	6.4	4.3	3.1	1.5
120				10.5	7.1	5.1	2.4
140				15.9	10.7	7.7	3.6
160					15.3	11.0	5.2
180						15.1	7.1
200							9.5
220							12.4
240							15.7

**TopDrip 12 1.6 l/h, W.T 18 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.8	0.3	0.2	0.1	0.1	0.0	0.0
40	4.6	1.8	0.9	0.6	0.4	0.3	0.1
60	13.2	5.2	2.7	1.7	1.1	0.8	0.4
80		11.1	5.8	3.6	2.4	1.7	0.8
100			10.6	6.4	4.3	3.1	1.5
120				17.1	10.5	7.1	2.4
140					15.9	10.7	3.6
160						15.3	5.2
180							15.1
200							9.5
220							12.4
240							15.7

**TopDrip 12 1.6 l/h, W.T 25 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.7	0.3	0.1	0.1	0.1	0.0	0.0
40	4.0	1.6	0.8	0.5	0.3	0.2	0.1
60	11.4	4.6	2.4	1.5	1.0	0.7	0.3
80	24.3	9.8	5.2	3.2	2.2	1.6	0.7
100		17.7	9.4	5.8	3.9	2.8	1.3
120			15.3	9.5	6.4	4.6	2.2
140				23.2	14.3	9.7	3.3
160					20.6	14.0	4.8
180						19.2	6.7
200						25.6	8.9
220							24.0
240							14.6
260							18.2
280							22.4

**TopDrip 12 2.0 l/h, W.T 13 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	1.1	0.4	0.2	0.1	0.1	0.1	0.0
40	6.6	2.6	1.4	0.8	0.5	0.4	0.2
60		7.5	3.9	2.4	1.6	1.2	0.5
80			8.5	5.2	3.5	2.5	1.2
100				9.4	6.3	4.5	2.1
120					10.3	7.4	3.5
140							5.3
160							7.6
180							10.5

**TopDrip 12 2.0 l/h, W.T 15 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	1.1	0.4	0.2	0.1	0.1	0.1	0.0
40	6.6	2.6	1.4	0.8	0.5	0.4	0.2
60		7.5	3.9	2.4	1.6	1.2	0.5
80			8.5	5.2	3.5	2.5	1.2
100				15.3	9.4	6.3	2.1
120					15.3	10.3	3.5
140						15.6	11.2
160							7.6
180							10.5
200							14.0

**TopDrip 12 2.0 l/h, W.T 18 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	1.1	0.4	0.2	0.1	0.1	0.1	0.0
40	6.6	2.6	1.4	0.8	0.5	0.4	0.2
60		7.5	3.9	2.4	1.6	1.2	0.5
80			16.1	8.5	5.2	3.5	1.2
100				15.3	9.4	6.3	2.1
120					15.3	10.3	3.5
140						15.6	11.2
160						16.1	7.6
180							10.5
200							14.0

**TopDrip 12 2.0 l/h, W.T 25 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.9	0.4	0.2	0.1	0.1	0.1	0.0
40	5.7	2.3	1.2	0.7	0.5	0.4	0.2
60	16.4	6.6	3.5	2.2	1.5	1.0	0.5
80		14.2	7.5	4.6	3.1	2.3	1.1
100		25.6	13.7	8.5	5.7	4.1	2.0
120			22.3	13.8	9.4	6.8	3.2
140				21.0	14.3	10.3	4.9
160					20.5	14.8	7.1
180						20.5	9.8
200							13.1
220							17.0
240							21.6

**TopDrip 12 2.2 l/h, W.T 13 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	1.3	0.5	0.3	0.2	0.1	0.1	0.0
40	7.7	3.0	1.6	1.0	0.6	0.5	0.2
60		8.8	4.6	2.8	1.9	1.4	0.6
80			9.9	6.1	4.1	2.9	1.4
100				11.0	7.4	5.3	2.5
120						8.7	4.1
140							6.3
160							9.0

**TopDrip 12 2.2 l/h, W.T 15 mil ID 11.8**

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	1.3	0.5	0.3	0.2	0.1	0.1	0.0
40	7.7	3.0	1.6	1.0	0.6	0.5	0.2
60		8.8	4.6	2.8	1.9	1.4	0.6
80			9				

THIN TO MEDIUM-WALLED PC FLAT DRIPLINE

# TopDrip 16 mm

**HEAD LOSS (m) IN RELATION TO LATERAL LENGTH (m), DRIPPER FLOW RATE AND SPACING (cm)**

TopDrip 16, 1.0 l/h, W.T13-15 mil, ID 16.2								
Lateral length(m)	Dripper spacing (cm)							
	20	30	40	50	60	70	100	
20	0.1							
40	0.3	0.1	0.1					
60	0.9	0.4	0.2	0.1	0.1	0.1		
80	2.0	0.8	0.4	0.3	0.2	0.1	0.1	
100	3.5	1.5	0.8	0.5	0.3	0.2	0.1	
120	5.8	2.4	1.3	0.8	0.5	0.4	0.2	
140	8.7	3.6	1.9	1.2	0.8	0.6	0.3	
160	12.4	5.1	2.8	1.7	1.2	0.9	0.4	
180		7.0	3.8	2.4	1.6	1.2	0.6	
200		9.3	5.0	3.2	2.2	1.6	0.8	
220		12.1	6.5	4.1	2.8	2.0	1.0	
240			8.3	5.2	3.6	2.6	1.3	
260			10.3	6.4	4.4	3.2	1.6	
280			12.6	7.9	5.4	4.0	1.9	
300				9.5	6.6	4.8	2.3	
320				11.4	7.8	5.7	2.8	
340					9.2	6.7	3.3	
360					10.8	7.9	3.9	
380						9.1	4.5	
400						10.6	5.2	
420							5.9	
440							6.7	
460							7.6	
480							8.6	
500							9.6	

TopDrip 16, 1.0 l/h, W.T 18mil, ID 15.8								
Lateral length(m)	Dripper spacing (cm)							
	20	30	40	50	60	70	100	
20	0.1							
40	0.3	0.1	0.1					
60	1	0.4	0.2	0.1	0.1	0.1		
80	2.1	0.9	0.5	0.3	0.2	0.1	0.1	
100	3.7	1.6	0.8	0.5	0.4	0.3	0.1	
120	6.1	2.5	1.4	0.8	0.6	0.4	0.2	
140	9.2	3.8	2.1	1.3	0.9	0.6	0.3	
160		5.5	3	1.9	1.3	0.9	0.5	
180		7.5	4.1	2.6	1.8	1.3	0.6	
200		10	5.4	3.4	2.4	1.7	0.8	
220			7	4.4	3	2.2	1.1	
240			8.9	5.6	3.9	2.8	1.4	
260			11.1	7	4.8	3.5	1.7	
280				8.6	5.9	4.3	2.1	
300				10.3	7.2	5.2	2.6	
320					8.5	6.3	3.1	
340					10.1	7.4	3.6	
360						8.6	4.2	
380						10.0	4.9	
400							5.7	
420							6.5	
440							7.4	
460							8.4	
480							9.4	
500							10.6	

TopDrip 16, 1.0 l/h, W.T 25mil, ID 15.6								
Lateral length(m)	Dripper spacing (cm)							
	20	30	40	50	60	70	100	
20	0.1							
40	0.3	0.1	0.1					
60	1.0	0.4	0.2	0.1	0.1	0.1		
80	2.2	0.9	0.5	0.3	0.2	0.2	0.1	
100	3.9	1.6	0.9	0.5	0.4	0.3	0.1	
120	6.4	2.7	1.4	0.9	0.6	0.5	0.2	
140	9.6	4.0	2.2	1.4	0.9	0.7	0.3	
160	13.8	5.8	3.1	2	1.4	1.0	0.5	
180	18.9	7.9	4.3	2.7	1.9	1.4	0.7	
200		10.5	5.8	3.6	2.5	1.8	0.9	
220		13.7	7.5	4.7	3.3	2.4	1.2	
240		17.3	9.5	6.0	4.1	3.0	1.5	
260		21.5	11.8	7.4	5.2	3.8	1.9	
280			14.4	9.1	6.3	4.6	2.3	
300			17.4	11.0	7.7	5.6	2.8	
320			20.9	13.2	9.1	6.7	3.3	
340				15.6	10.8	7.9	3.9	
360				18.2	12.6	9.3	4.6	
380				21.1	14.7	10.7	5.3	
400					16.9	12.4	6.1	
420					19.3	14.2	7.0	
440					22.0	16.1	8.0	
460						18.3	9.0	
480						20.5	10.2	
500							11.4	

TopDrip 16, 1.6 l/h, W.T 13-15mil, ID 16.2								
Lateral length(m)	Dripper spacing (cm)							
	20	30	40	50	60	70	100	
20	0.1							
40	0.7	0.3	0.2	0.1	0.1			
60	2.0	0.8	0.4	0.3	0.2	0.1	0.1	
80	4.3	1.8	0.9	0.6	0.4	0.3	0.1	
100	7.7	3.2	1.7	1.1	0.7	0.5	0.3	
120	12.6	5.3	2.8	1.8	1.2	0.9	0.4	
140		7.9	4.3	2.7	1.9	1.3	0.7	
160		11.4	6.2	3.9	2.7	1.9	1.0	
180			8.5	5.3	3.7	2.7	1.3	
200			11.3	7.1	4.9	3.6	1.8	
220				9.2	6.4	4.7	2.3	
240				11.7	8.1	5.9	2.9	
260					10.1	7.4	3.6	
280					12.3	9.1	4.4	
300						10.9	5.4	
320							6.4	
340							7.6	
360							8.9	
380							10.3	
400							11.9	
420								
440								
460								
480								
500								

TopDrip 16, 1.6 l/h, W.T 18mil, ID 15.8								
Lateral length(m)	Dripper spacing (cm)							
	20	30	40	50	60	70	100	
20	0.1							
40	0.7	0.3	0.2	0.1	0.1	0.1		
60	2.1	0.9	0.5	0.3	0.2	0.1	0.1	
80	4.5	1.9	1.0	0.6	0.4	0.3	0.2	
100	8.2	3.4	1.9	1.2	0.8	0.6	0.3	
120	13.4	5.6	3.0	1.9	1.3	1.0	0.5	
140		8.5	4.6	2.9	2.0	1.5	0.7	
160		12.2	6.7	4.2	2.9	2.1	1.0	
180			9.2	5.8	4.0	2.9	1.4	
200			12.2	7.7	5.4	3.9	1.9	
220				10.0	6.9	5.1	2.5	
240				12.7	8.9	6.4	3.2	
260					11.0	8.1	4.0	
280						9.9	4.9	
300						12.0	5.9	
320							7.1	
340							8.4	
360							9.8	
380							11.4	
400								
420								
440								
460								
480								
500								

TopDrip 16, 1.6 l/h, W.T 25mil, ID 15.6								
Lateral length(m)	Dripper spacing (cm)							
	20	30	40	50	60	70	100	
20	0.1							
40	0.7	0.3	0.2	8	0.1	0.1		
60	2.2	0.9	0.5	0.3	0.2	0.2	0.1	
80	4.7	2	1.1	0.7	0.5	0.3	0.2	
100	8.6	3.6	2	1.2	0.9	0.6	0.3	
120	14	5.9	3.2	2	1.4	1.0	0.5	
140	21.2	9	4.9	3.1	2.2	1.6	0.8	
160		12.9	7.1	4.5	3.1	2.3	1.1	
180		17.7	9.8	6.2	4.3	3.2	1.6	
200		23.7	13.0	8.2	5.7	4.2	2.1	
220			16.9	10.7	7.4	5.5	2.7	
240			21.5	13.6	9.5	6.9	3.4	
260				17	11.8	8.7	4.3	
280				20.8	14.4	10.7	5.3	
300					17.5	12.9	6.4	
320					20.9	15.4	7.6	
340						18.2	9	
360						21.3	10.6	
380							12.3	
400							14.2	
420							16.3	
440							18.5	
460								
480								
500								

\* Minimum working pressure 0.4 bar. Maximum working pressure according to wall thickness.

THIN TO MEDIUM-WALLED PC FLAT DRIPLINE

# TopDrip 16 mm

**HEAD LOSS (m) IN RELATION TO LATERAL LENGTH (m), DRIPPER FLOW RATE AND SPACING (cm)**

**TopDrip 16, 2.0l/h, W.T 13-15mil, ID 16.2**

Dripper spacing (cm)

Lateral length(m)	20	30	40	50	60	70	100
20	0.2	0.1	0.1	0.1	0.1	0.1	0.1
40	1	0.4	0.3	0.2	0.1	0.1	0.1
60	2.8	1.2	0.7	0.4	0.3	0.2	0.1
80	6	2.5	1.4	0.9	0.6	0.5	0.3
100	10.1	4.6	2.5	1.6	1.1	0.8	0.4
120		7.5	4.1	2.6	1.8	1.3	0.7
140		10.5	6.2	3.9	2.7	2	1
160			9	5.6	3.9	2.9	1.4
180				7.8	5.4	3.9	1.9
200				10.4	7.2	5.3	2.6
220					9.4	6.8	3.6
240						8.7	4.3
260							5.3
280							6.5
300							7.9
320							9

**TopDrip 16, 2.0l/h, W.T 18mil, ID 15.8**

Dripper spacing (cm)

Lateral length(m)	20	30	40	50	60	70	100
20	0.2	0.1	0.1	0.1	0.1	0.1	0.1
40	1	0.5	0.3	0.2	0.1	0.1	0.1
60	3	1.3	0.7	0.5	0.3	0.3	0.1
80	6.3	2.7	1.5	1	0.7	0.5	0.3
100	11.7	5	2.7	1.7	1.2	0.9	0.5
120		8.1	4.4	2.8	2	1.4	0.7
140		12.3	6.7	4.3	3	2.2	1.1
160			9.7	6.1	4.3	3.1	1.6
180			13.4	8.5	5.9	4.3	2.1
200				11.3	7.8	5.8	2.8
220				14.7	10.2	7.5	3.7
240					13	9.5	4.7
260					16.2	11.9	5.9
280						14.4	7.2
300						16.8	8.7
320							10.4
340							12.3
360							14.5
380							16.8

**TopDrip 16, 2.0l/h, W.T 25mil, ID 15.6**

Dripper spacing (cm)

Lateral length(m)	20	30	40	50	60	70	100
20	0.2	0.1	0.1	0.1	0.1	0.1	0.1
40	1	0.5	0.3	0.2	0.1	0.1	0.1
60	3	1.3	0.7	0.5	0.3	0.3	0.2
80	6.6	2.8	1.6	1	0.7	0.5	0.3
100	12	5.1	2.8	1.8	1.3	0.9	0.5
120	19.7	8.4	4.6	2.9	2	1.5	0.8
140		12.7	7	4.4	3.1	2.3	1.1
160		18.3	10.1	6.4	4.5	3.3	1.6
180			14	8.8	6.2	4.5	2.2
200			18.6	11.8	8.2	6.1	3
220				15.4	10.7	7.8	3.9
240				19.5	13.6	10	4.9
260					16.9	12.5	6.2
280					20.9	15.3	7.6
300						18.6	9.2
320						21.5	11
340							13
360							15.2
380							17.7
400							20.4

**TopDrip 16, 2.2l/h, W.T 13-15mil, ID 16.2**

Dripper spacing (cm)

Lateral length(m)	20	30	40	50	60	70	100
20	0.2	0.1	0.1	0.1	0.1	0.1	0.1
40	1.1	0.5	0.3	0.2	0.1	0.1	0.1
60	3.3	1.4	0.8	0.5	0.4	0.3	0.2
80	7.1	3	1.6	1	0.7	0.5	0.3
100		5.4	3	1.9	1.3	1	0.5
120		8.8	4.8	3	2.1	1.5	0.8
140			7.4	4.6	3.2	2.4	1.2
160				6.7	4.6	3.4	1.7
180				9.2	6.4	4.7	2.3
200					8.5	6.2	3.1
220						8.1	4
240							5
260							6.3
280							7.7
300							9.4

**TopDrip 16, 2.2l/h, W.T 18mil, ID 15.8**

Dripper spacing (cm)

Lateral length(m)	20	30	40	50	60	70	100
20	0.2	0.1	0.1	0.1	0.1	0.1	0.1
40	1.2	0.5	0.3	0.2	0.2	0.1	0.1
60	3.5	1.5	0.8	0.5	0.4	0.3	0.2
80	7.5	3.2	1.8	1.1	0.8	0.6	0.3
100	13.7	5.8	3.2	2	1.4	1	0.5
120		9.5	5.2	3.3	2.3	1.7	0.8
140		14.4	7.9	5	3.5	2.6	1.3
160			11.4	7.2	5.1	3.7	1.8
180			15.8	10	7	5.1	2.5
200				13.3	9.3	6.8	3.4
220					12.1	8.8	4.4
240					15.3	11.3	5.6
260						14.1	6.9
280						16.2	8.5
300							10.3
320							12.3
340							14.6

**TopDrip 16, 2.2l/h, W.T 25mil, ID 15.6**

Dripper spacing (cm)

Lateral length(m)	20	30	40	50	60	70	100
20	0.2	0.1	0.1	0.1	0.1	0.1	0.1
40	1.2	0.5	0.3	0.2	0.2	0.1	0.1
60	3.6	1.5	0.9	0.5	0.4	0.3	0.2
80	7.7	3.3	1.8	1.2	0.8	0.6	0.3
100	14.1	6	3.3	2.1	1.5	1.1	0.6
120		9.8	5.4	3.4	2.4	1.8	0.9
140		15	8.3	5.2	3.6	2.7	1.3
160		21.5	11.9	7.5	5.3	3.9	1.9
180			16.5	10.4	7.3	5.3	2.6
200			21.1	14	9.7	7.2	3.5
220				18.1	12.7	9.3	4.6
240					16.1	11.8	5.8
260					20	14.8	7.3
280						18.1	9
300						22	10.9
320							13
340							15.4
360							18
380							21

\* Minimum working pressure 0.4 bar. Maximum working pressure according to wall thickness.

THIN TO MEDIUM-WALLED PC FLAT DRIPLINE

# TopDrip 22 mm

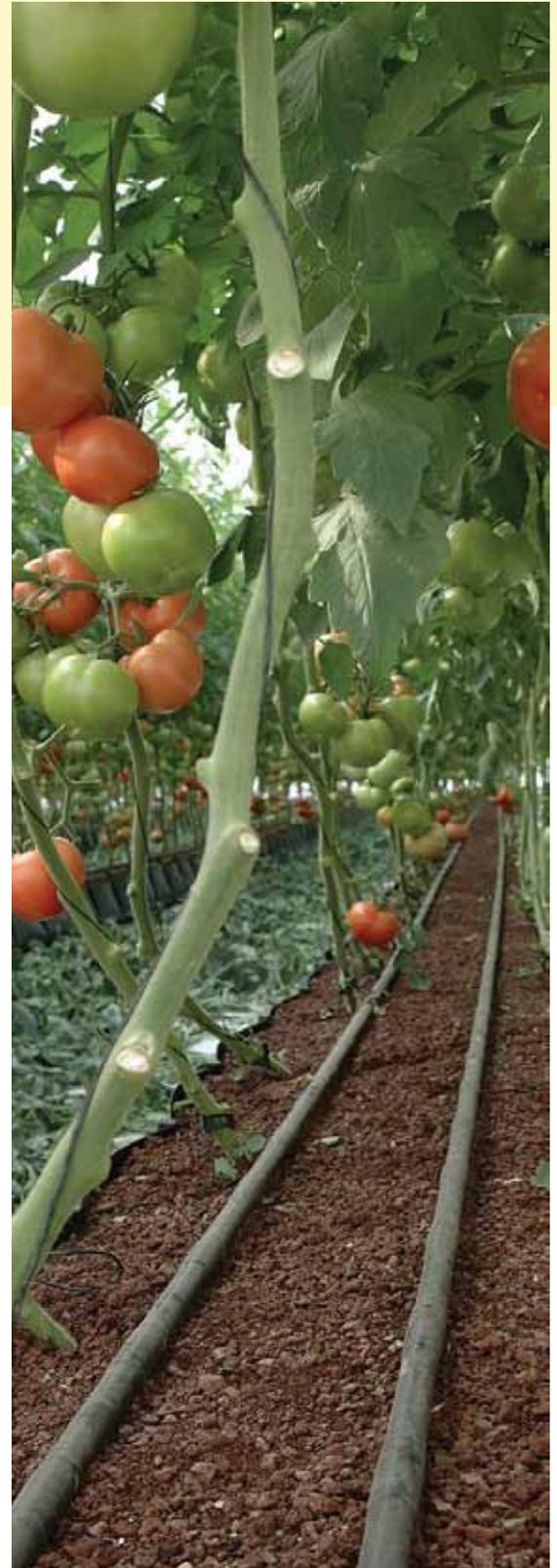
**HEAD LOSS (m) IN RELATION TO LATERAL LENGTH (m), DRIPPER FLOW RATE AND SPACING (cm)**

TopDrip 22, 1.0l/h, W.T 13-25mil, ID 22.2							
Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100
40	0.1	0.1					
60	0.3	0.1	0.1	0.1			
80	0.6	0.3	0.2	0.1	0.1	0.1	
100	0.9	0.4	0.2	0.2	0.1	0.1	
120	1.4	0.7	0.4	0.2	0.2	0.1	0.1
140	2	0.9	0.5	0.4	0.3	0.2	0.1
160	2.8	1.3	0.7	0.5	0.3	0.3	0.1
180	3.6	1.7	1.0	0.6	0.5	0.3	0.2
200	4.7	2.2	1.3	0.8	0.6	0.4	0.2
220	5.9	2.7	1.6	1.0	0.7	0.6	0.3
240	7.3	3.4	2.0	1.3	0.9	0.7	0.3
260	8.8	4.1	2.4	1.6	1.1	0.8	0.4
280	10.6	4.9	2.9	1.9	1.3	1.0	0.5
300	12.6	5.8	3.4	2.2	1.6	1.2	0.6
320	14.6	6.9	4.0	2.6	1.9	1.4	0.7
340		8.0	4.6	3.0	2.2	1.6	0.8
360		9.2	5.4	3.5	2.5	1.9	1.0
380		10.6	6.2	4.0	2.9	2.1	1.1
400		12.0	7.0	4.6	3.3	2.4	1.3
420		13.6	7.9	5.2	3.7	2.8	1.4
440		15.3	8.9	5.9	4.2	3.1	1.6
460			10.0	6.6	4.7	3.5	1.8
480			11.2	7.3	5.2	3.9	2.0
500			12.4	8.2	5.8	4.3	2.2

TopDrip 22, 1.6l/h, W.T 13-25mil, ID 22.2							
Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100
40	0.2	0.1	0.1				
60	0.5	0.2	0.1	0.1	0.1		
80	1.0	0.5	0.3	0.2	0.1	0.1	
100	1.7	0.8	0.5	0.3	0.2	0.2	0.1
120	2.7	1.2	0.7	0.5	0.3	0.2	0.1
140	3.8	1.8	1.0	0.7	0.5	0.4	0.2
160	5.3	2.5	1.4	0.9	0.7	0.5	0.3
180	7.1	3.3	1.9	1.3	0.9	0.7	0.3
200	9.2	4.3	2.5	1.6	1.2	0.9	0.4
220	11.7	5.5	3.2	2.1	1.5	1.1	0.6
240	14.6	6.8	3.9	2.6	1.9	1.4	0.7
260	17.9	8.3	4.8	3.2	2.3	1.7	0.9
280		10.1	5.8	3.8	2.7	2.1	1.1
300		12.0	7.0	4.6	3.3	2.4	1.3
320		14.2	8.3	5.4	3.9	2.9	1.5
340		16.6	9.7	6.3	4.5	3.4	1.7
360			11.2	7.4	5.2	3.9	2.0
380			12.9	8.5	6.1	4.5	2.3
400			14.8	9.7	6.9	5.2	2.7
420			16.8	11.0	7.9	5.9	3.0
440				12.5	8.9	6.7	3.4
460				14.0	10.0	7.5	3.9
480				15.7	11.2	8.4	4.3
500				17.5	12.5	9.4	4.8

TopDrip 22, 2.0l/h, W.T 13-25mil, ID 22.2							
Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100
40	0.3	0.2	0.1	0.1	0.1	0.1	0.1
60	0.7	0.4	0.2	0.2	0.1	0.1	0.1
80	1.4	0.7	0.4	0.3	0.2	0.2	0.1
100	2.3	1.1	0.7	0.5	0.3	0.3	0.2
120	3.6	1.7	1	0.7	0.5	0.4	0.2
140	5.3	2.5	1.5	1	0.7	0.5	0.3
160	7.3	3.4	2	1.3	1	0.7	0.4
180		4.6	2.7	1.8	1.3	1	0.5
200		6	3.5	2.3	1.7	1.3	0.7
220		7.6	4.5	3	2.1	1.6	0.8
240			5.6	3.7	2.6	2	1
260			6.9	4.5	3.2	2.4	1.3
280				5.5	3.9	2.9	1.5
300				6.6	4.7	3.5	1.8
320				7.8	5.5	4.2	2.2
340					6.5	4.9	2.5
360					7.6	5.7	2.9
380						6.5	3.4
400						7.5	3.9
420							4.4
440							5
460							5.6
480							6.3
500							7

TopDrip 22, 2.2l/h, W.T 13-25mil, ID 22.2							
Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100
40	0.4	0.2	0.1	0.1	0.1	0.1	0.1
60	0.8	0.4	0.3	0.2	0.1	0.1	0.1
80	1.6	0.8	0.5	0.3	0.2	0.2	0.1
100	2.7	1.3	0.8	0.5	0.4	0.3	0.2
120	4.1	2	1.2	0.7	0.6	0.4	0.2
140	6	2.8	1.7	1.1	0.8	0.6	0.3
160		3.9	2.3	1.5	1.1	0.8	0.5
180		5.3	3.1	2.1	1.5	1.1	0.6
200		6.5	4.1	2.7	1.9	1.5	0.8
220			5.2	3.4	2.5	1.8	1
240			6.5	4.3	3.1	2.3	1.2
260			8	5.3	3.8	2.8	1.5
280				6.4	4.6	3.4	1.8
300				7.6	5.5	4.1	2.1
320					6.5	4.9	2.5
340					7.6	5.7	2.9
360						6.6	3.4
380						7.7	4
400							4.5
420							5.2
440							5.8
460							6.6
480							7.4
500							8.2



\* Minimum working pressure 0.4 bar. Maximum working pressure according to wall thickness.