

THICK-WALLED PC FLAT DRIPLINE

AmnonDrip PC, CNL & PC AS



Innovative, pressure-compensating (PC) dripline with special anti-syphon (AS) and compensating non-leakage (CNL) models. Cascade labyrinth feature incorporated in all drippers

APPLICATIONS

- Ideal solution for irrigation in topographically challenging terrain, and where long laterals are required
- CNL option for pulse irrigation of orchards, open field crops and greenhouses
- Subsurface Drip Irrigation (SDI), for accurate irrigation of orchards, open field crops and greenhouses

STRUCTURE AND FEATURES

- Pressure-compensating (PC) enabling water application accuracy at variable topography and the installation of long laterals
- Efficient self-cleaning turbulence provided by the Cascade labyrinth
- Hydrodynamic dripper design ensures continuous flushing of sediments and small dirt particles
- Low CV for maximal uniformity
- Weir structure improves root intrusion resistance and sand suction
- 3D water inlet structure improves clog resistance
- High-quality silicon diaphragm
- Both carton and coil package options are available (see packing and shipping table)
- Colored cap facilitates easy identification of dripper models

SPECIAL MODELS

- CNL: Pressure-compensating non-leakage design reduces lateral filling time and facilitates pulse irrigation
- PC AS: Pressure compensating anti-syphon design prevents suction at draining stage. Suitable for subsurface drip irrigation

AmnonDrip PC



0.5, 1.1, 1.6, 2.0, 2.2, 3.8 l/h

AmnonDrip CNL



0.5, 1.1, 1.6, 2.0, 2.2, 3.8 l/h

AmnonDrip PC AS



0.5, 1.1, 1.6, 2.0, 2.2, 3.8 l/h



TECHNICAL DATA

- Flow rates: 0.5, 1.1, 1.6, 2.0, 2.2, 3.8 l/h
- CNL: Opening pressure - 1 bar
Closing pressure - 0.2 bar
- AS: Opening pressure - 0.5 bar
- Pressure regulating range:
PC & AS models - 0.5-4.0 bar
PC CNL - 1.0-4.0 bar
- Recommended filtration: 130 micron (120 mesh)

THICK-WALLED PC FLAT DRIPLINE

AmnonDrip PC, CNL & PC AS

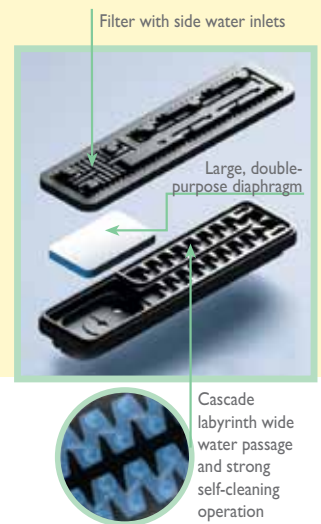
TECHNICAL DATA

Nominal diameter (mm)	Wall thickness		OD (mm)	ID (mm)	Maximum Pressure (bar)	KD	Connector type	
	(mm)	(mil)					Barb	Tape
16	0.63	25	15.16	13.9	2.5	0.92	●	
	0.90	35	15.70	13.9	3.0	0.92	●	
	1.00	39	15.90	13.9	3.5	0.92	●	
	1.15	45	16.20	13.9	3.5	0.92	●	
17	0.63	25	16.90	15.6	2.5	0.75		●
	0.90	35	16.20	14.4	3.0	0.75	●	
	1.00	39	16.40	14.4	3.0	0.75	●	
20	1.00	39	19.70	17.70	3.0	0.65	●	
	1.20	47	20.10	17.70	3.5	0.65	●	
23	1.00	39	22.80	20.8	3.0	0.14		●

TOP VIEW



BOTTOM VIEW



AMNONDRIP PACKAGING AND SHIPPING

Carton spools

Nominal diameter (mm)	Wall thickness (mm)	Standard coil length (m)	Coils per 20 ft. container	Coils per 40 ft. container	Coils per 40 ft. HC container
16	0.63	600	320	640	720
	0.90	400	320	640	720
	1.00	400	320	640	720
17	0.63	600	320	640	720
	0.90	400	320	640	720
	1.00	400	320	640	720
20	0.90	300	320	640	720
	1.00	300	320	640	720
23	1.00	300	320	640	720



Coils

Nominal diameter (mm)	Wall thickness (mm)	Standard coil length (m)	Coils per 20 ft. container	Coils per 40 ft. container	Coils per 40 ft. HC container
16	0.90	500	150	320	360
	1.00	500	150	320	360
	1.15	500	150	320	360
17	0.90	500	150	320	360
	1.00	500	150	320	360
20	1.00	300	150	345	365
	1.20	300	150	345	365

* Dripper spacing can affect coil length.



Available also in brown, white, purple or any other color for a minimum order of 40K m

THICK-WALLED PC FLAT DRIPLINE

AmnonDrip 16mm



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

AmnonDrip-16mm 0.5-l/h W.T 0.9-1.15 mm ID 13.9								AmnonDrip 16, 1.1l/h, W.T 0.9-1.15mm, ID 13.9								AmnonDrip 16, 1.6l/h, W.T 0.9-1.15mm, ID 13.9								AmnonDrip 16, 2.0l/h, W.T 0.9-1.15mm, ID 13.9									
Dripper spacing (cm)								Dripper spacing (cm)								Dripper spacing (cm)								Dripper spacing (cm)									
Lateral length(m)	20	30	40	50	60	70	100	Lateral length(m)	20	30	40	50	60	70	100	Lateral length(m)	20	30	40	50	60	70	100	Lateral length(m)	20	30	40	50	60	70	100		
20								20	0.2	0.1						20	0.3	0.1	0.1					20	0.4	0.2	0.1	0.1	0.1	0.1	0.1		
40	0.3	0.1	0.1					40	0.9	0.4	0.2	0.1	0.1	0.1		40	1.8	0.7	0.4	0.2	0.1			40	2.5	1	0.5	0.3	0.2	0.2	0.1		
60	0.9	0.3	0.2	0.1	0.1			60	2.8	1.1	0.6	0.3	0.2	0.2	0.1	60	5.2	2.1	1.1	0.6	0.4	0.3	0.1	60	7.4	2.9	1.6	1	0.7	0.5	0.3		
80	1.9	0.7	0.4	0.2	0.1	0.1		80	6	2.3	1.2	0.7	0.5	0.4	0.2	80	11.4	4.5	2.3	1.4	1	0.7	0.3	80	16.2	6.4	3.4	2.1	1.4	1	0.5		
100	3.4	1.3	0.7	0.4	0.3	0.2	0.1	100	11	4.3	2.2	1.4	0.9	0.6	0.3	100	20.8	8.2	4.3	2.6	1.7	1.2	0.6	100	25.8	11.8	6.2	3.8	2.6	1.9	0.9		
120	5.5	2.2	1.1	0.7	0.5	0.3	0.1	120	18	7.1	3.7	2.2	1.5	1.1	0.5	120		13.5	7	4.3	2.9	2.1	1	120		19.3	10.2	6.2	4.2	3	1.5		
140	8.4	3.3	1.7	1	0.7	0.5	0.2	140		10.7	5.6	3.4	2.3	1.6	0.8	140		20.4	10.7	6.5	4.4	3.1	1.5	140		25.6	15.6	9.5	6.4	4.7	2.2		
160	12.1	4.7	2.4	1.5	1	0.7	0.3	160		15.4	8	4.9	3.3	2.4	1.1	160			15.4	9.4	6.4	4.6	2.2	160			22.4	13.7	9.4	6.8	3.2		
180	16.6	6.4	3.3	2	1.4	1	0.5	180		21.2	11.1	6.8	4.6	3.3	1.5	180			21.2	13	8.8	6.4	3	180				19	12.9	9.3	4.4		
200		8.6	4.4	2.7	1.8	1.3	0.6	200			14.8	9	6.1	4	2.1	200				17.4	11.8	8.4	4	200				25.4	17.2	12.5	5.9		
220			11.1	5.8	3.5	2.3	1.7	0.8	220			19.2	11.7	7.9	5.7	2.7	220				22.6	15.3	11	5.3	220					22.5	16.1	7.5	
240			14	7.3	4.4	3	2.1	1	240			24.3	14.9	10.1	7.2	3.4	240					19.5	14	6.7	240						20.6	9.8	
260			17.5	9.1	5.5	3.7	2.7	1.2	260				18.5	12.5	9	4.3	260						24.3	17.5	8.3	260						25.6	12.2
280				11.1	6.8	4.5	3.3	1.5	280				22.7	15.3	11.1	5.2	280							21.5	10.2	280							14.1
300				13.4	8.2	5.5	3.9	1.9	300					18.6	13.4	6.3	300							25.9	12.4	300							16.1
320				16.1	9.8	6.6	4.7	2.2	320					22.2	16	7.6	320									320							17.5
340				19	11.5	7.7	5.5	2.6	340						18.9	9	340									340							20.6
360					13.5	9	6.5	3.1	360						22.1	10.5	360									360							23.9
380					15.6	10.5	7.5	3.6	380						25.6	12.2	380									380							
400					18	12.1	8.7	4.1	400							14.1	400									400							
420						13.8	10	4.7	420							16.1	420									420							
440							15.8	11.3	5.3	440						18.4	440									440							
460								17.8	12.8	6	460					20.8	460									460							
480									20	14.4	6.8	480				23.4	480									480							
500										16.1	7.6	500														500							

AmnonDrip 16, 2.2l/h, W.T 0.9-1.15mm, ID 13.9								AmnonDrip 16, 3.8 l/h, 0.9-1.15mm, ID 13.9								
Dripper spacing (cm)								Dripper spacing (cm)								
Lateral length(m)	20	30	40	50	60	70	100	Lateral length(m)	20	30	40	50	60	0.70	100	
20	0.5	0.2	0.1	0.1				20	1.2	0.5	0.3	0.1	0.1	0.1		
40	3	1.2	0.6	0.4	0.3	0.2	0.1	40	7.7	3.0	1.6	1.0	0.7	0.5	0.2	
60	9	3.6	1.9	1.1	0.7	0.5	0.3	60	22.9	9.2	4.8	2.9	2.0	1.4	0.7	
80	19.6	7.7	4.0	2.5	1.7	1.2	0.6	80		19.9	10.4	6.4	4.4	3.2	1.5	
100		14.2	7.4	4.5	3.1	2.2	1.1	100			19.2	11.8	8.0	5.8	2.8	
120			23.4	12.2	7.5	5.1	3.6	1.7	120				19.5	13.3	9.6	4.6
140				18.6	11.4	7.7	5.5	2.7	140					20.3	14.5	7.1
160					16.5	11.1	8.0	3.8	160						21.2	10.2
180						22.8	15.5	11.2	180							14.1
200							20.7	14.8	200							18.9
220								19.4	220							
240								24.6	240							
260									260							
280									280							
300									300							

THICK-WALLED PC FLAT DRIPLINE

AmnonDrip 17mm - W.T 0.63mm



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

AmnonDrip-17mm 0.5 l/h PC W.T 0.63 mm ID 15.6								
Lateral length(m)	Dripper spacing (cm)							
	20	30	40	50	60	70	100	
40	0.2	0.1						
60	0.6	0.2	0.1	0.1				
80	1.3	0.5	0.3	0.2	0.1	0.1		
100	2.3	0.9	0.5	0.3	0.2	0.1	0.1	
120	3.6	1.4	0.7	0.4	0.3	0.2	0.1	
140	5.4	2.1	1.1	0.7	0.5	0.3	0.1	
160	7.7	3	1.6	1	0.6	0.5	0.2	
180	10.5	4.1	2.2	1.3	0.9	0.6	0.3	
200	13.8	5.5	2.8	1.7	1.2	0.8	0.4	
220		7	3.7	2.2	1.5	1.1	0.5	
240		8.8	4.6	2.8	1.9	1.4	0.6	
260		10.9	5.7	3.5	2.4	1.7	0.8	
280		13.3	7	4.3	2.9	2.1	1	
300			8.4	5.1	3.5	2.5	1.2	
320			10	6.1	4.1	2.9	1.4	
340			11.7	7.2	4.8	3.5	1.6	
360			13.7	8.4	5.6	4	1.9	
380				9.7	6.5	4.7	2.2	
400				11.1	7.5	5.4	2.5	
420				12.6	8.5	6.1	2.9	
440				14.3	9.7	7	3.3	
460					10.9	7.9	3.7	
480					12.2	8.8	4.2	
500					13.7	9.8	4.7	

AmnonDrip 17, 1.1l/h, W.T 0.63mm, ID 15.6								
Lateral length(m)	Dripper spacing (cm)							
	20	30	40	50	60	70	100	
20	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
40	0.6	0.3	0.2	0.1	0.1	0.1	0.1	
60	1.8	0.7	0.4	0.3	0.2	0.2	0.1	
80	3.8	1.5	0.8	0.5	0.4	0.3	0.2	
100	6.8	2.7	1.4	0.9	0.6	0.5	0.2	
120	10.9	4.4	2.3	1.4	1	0.7	0.4	
140	16.4	6.6	3.5	2.1	1.5	1.1	0.5	
160		9.4	5	3	2.1	1.5	0.7	
180		12.8	6.8	4.2	2.8	2	1	
200		17	9	5.5	3.8	2.7	1.3	
220			11.6	7.1	4.9	3.5	1.7	
240			14.7	9	6.1	4.4	2.1	
260			18.2	11.2	7.6	5.5	2.6	
280				13.6	9.3	6.7	3.2	
300				16.4	11.2	8.1	3.8	
320				19.6	13.3	9.6	4.6	
340					15.6	11.3	5.4	
360					18.3	13.2	6.3	
380						15.3	7.3	
400						17.6	8.4	
420						20.1	9.6	
440							10.9	
460							12.3	
480							13.8	
500							15.4	

AmnonDrip 17, 1.6l/h, W.T 0.63mm, ID 15.6								
Lateral length(m)	Dripper spacing (cm)							
	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	3.6	1.3	0.7	0.4	0.3	0.2	0.1	
80	6.9	2.8	1.5	0.9	0.6	0.5	0.2	
100	12.4	5	2.7	1.6	1.1	0.8	0.4	
120	20.1	8.1	4.3	2.6	1.8	1.3	0.6	
140		12.2	6.5	4	2.7	2	0.9	
160		17.4	9.3	5.7	3.9	2.8	1.3	
180			12.7	7.8	5.3	3.8	1.8	
200			16.9	10.4	7.1	5.1	2.4	
220				13.4	9.2	6.6	3.1	
240				17	11.6	8.4	4	
260					14.4	10.4	5	
280					17.6	12.7	6.1	
300						15.4	7.3	
320						18.3	8.7	
340							10.3	
360							12.1	
380							14	
400							16.1	
420							18.4	
440							20.9	

AmnonDrip 17, 2.0l/h, W.T 0.63mm, ID 15.6								
Lateral length(m)	Dripper spacing (cm)							
	20	30	40	50	60	70	100	
20	0.3	0.1	0.1	0.1	0.1	0.1	0.1	
40	1.6	0.7	0.4	0.2	0.2	0.1	0.1	
60	4.6	1.9	1	0.6	0.4	0.3	0.2	
80	9.9	4	2.1	1.3	0.9	0.7	0.3	
100	17.9	7.2	3.8	2.4	1.6	1.2	0.6	
120		11.7	6.2	3.8	2.6	1.9	0.9	
140		17.7	9.4	5.8	3.9	2.9	1.4	
160			13.5	8.3	5.7	4.1	2	
180			18.5	11.4	7.8	5.6	2.7	
200				15.2	10.3	7.5	3.6	
220				19.6	13.4	9.7	4.6	
240					17	12.3	5.9	
260						15.3	7.3	
280						18.7	8.9	
300							10.8	
320							12.9	
340							15.2	
360							17.8	
380							20.7	

AmnonDrip 17, 2.2l/h, W.T 0.63mm, ID 15.6

Lateral length(m)	Dripper spacing (cm)							
	20	30	40	50	60	70	100	
20	0.3	0.2	0.1	0.1	0.1	0.1	0.1	
40	1.9	0.8	0.4	0.3	0.2	0.2	0.1	
60	5.4	2.2	1.2	0.7	0.5	0.4	0.2	
80	11.5	4.7	2.5	1.5	1.1	0.8	0.4	
100	20.3	8.5	4.5	2.8	1.9	1.4	0.7	
120		13.7	7.3	4.5	3.1	2.2	1.1	
140		20.5	11	6.8	4.6	3.4	1.6	
160			15.8	9.7	6.7	4.8	2.3	
180				13.4	9.2	6.6	3.2	
200				17.8	12.1	8.8	4.2	
220					15.8	11.4	5.4	
240					20	14.5	6.9	
260						18.5	8.6	
280							10.5	
300							12.7	
320							15.2	
340							18	
360							21	

AmnonDrip 17, 3.8l/h, W.T 0.63mm, ID 15.6

Lateral length(m)	Dripper spacing (cm)							
	20	30	40	50	60	70	100	
20	0.7	0.3	0.2	0.1	0.1	0.1	0.1	
40	4.4	1.8	1	0.6	0.4	0.3	0.2	
60	13.1	5.3	2.8	1.8	1.2	0.9	0.4	
80		11.5	6.1	3.8	2.6	1.9	0.9	
100		20.8	11.2	6.9	4.8	3.4	1.6	
120			18.3	11.3	7.8	5.6	2.7	
140				17.2	11.8	8.5	4.1	
160					17	12.4	5.9	
180						16.9	8.1	
200							10.9	
220							14.1	
240							17.9	

THICK-WALLED PC FLAT DRIPLINE

AmnonDrip 17mm - W.T 0.9-1.2mm



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

AmnonDrip-17mm 0.5 l/h W.T 0.9-1.2 mm ID 14.4							
Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100
40	0.2	0.1					
60	0.6	0.3	0.1	0.1	0.1		
80	1.4	0.5	0.3	0.2	0.1	0.1	
100	2.5	1	0.5	0.3	0.2	0.2	0.1
120	4	1.6	0.8	0.5	0.4	0.3	0.1
140	6	2.4	1.3	0.8	0.5	0.4	0.2
160	8.5	3.5	1.8	1.1	0.8	0.6	0.3
180	11.6	4.7	2.5	1.6	1.1	0.8	0.4
200	15.4	6.3	3.3	2.1	1.4	1	0.5
220	19.8	8.1	4.3	2.7	1.8	1.3	0.6
240		10.2	5.5	3.4	2.3	1.7	0.8
260		12.6	6.8	4.2	2.9	2.1	1
280		15.4	8.3	5.1	3.5	2.5	1.2
300		18.5	10	6.2	4.2	3.1	1.5
320			11.9	7.4	5	3.7	1.8
340			14	8.7	5.9	4.3	2.1
360			16.3	10.2	6.9	5	2.4
380			18.9	11.8	8.1	5.8	2.8
400				13.5	9.2	6.7	3.3
420				15.4	10.6	7.7	3.7
440				17.5	12	8.7	4.2
460				19.8	13.5	9.9	4.8
480					15.2	11.1	5.4
500					17	12.4	6

AmnonDrip 17, 1.1l/h, W.T 0.9-1.2mm, ID 14.4							
Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100
40	0.7	0.3	0.1	0.1	0.1		
60	2	0.8	0.4	0.3	0.2	0.1	0.1
80	4.3	1.7	0.9	0.6	0.4	0.3	0.1
100	7.8	3.2	1.7	1	0.7	0.5	0.2
120	12.7	5.2	2.7	1.7	1.2	0.8	0.4
140	19.1	7.8	4.2	2.6	1.8	1.3	0.6
160		11.2	6	3.7	2.5	1.8	0.9
180		15.3	8.2	5.1	3.5	2.5	1.2
200		20.4	11	6.8	4.7	3.4	1.6
220			14.2	8.8	6	4.4	2.1
240			18	11.2	7.7	5.6	2.7
260			22.4	14	9.6	7	3.4
280				17.1	11.7	8.5	4.1
300				20.7	14.2	10.3	5
320				24.6	16.9	12.3	6
340					20	14.5	7.1
360					23.3	17	8.3
380						19.7	9.6
400						22.8	11.1
420							12.7
440							14.4
460							16.3
480							18.4
500							20.6

AmnonDrip 17, 1.6l/h, W.T 0.9-1.2mm, ID 14.4							
Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100
40	1.3	0.5	0.3	0.2	0.1	0.1	
60	3.7	1.5	0.8	0.5	0.3	0.2	0.1
80	8	3.3	1.7	1.1	0.7	0.5	0.3
100	14.6	6	3.2	2	1.3	1	0.5
120	23.7	9.8	5.2	3.2	2.2	1.6	0.8
140		14.8	7.9	4.9	3.4	2.4	1.2
160		21.2	11.4	7.1	4.9	3.5	1.7
180			15.7	9.8	6.7	4.9	2.4
200			20.9	13.1	9	6	3.2
220				17	11.6	8.5	4.1
240				21.5	14.8	10.7	5.3
260					18.5	13.4	6.6
280					22.6	16.5	8
300						19.9	9.7
320						23.9	11.6
340							13.8
360							16.1
380							18.7
400							21.6
420							24.7

AmnonDrip 17, 2.0l/h, W.T 0.9-1.2mm, ID 14.4							
Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100
40	1.8	0.8	0.4	0.3	0.2	0.2	0.1
60	5.2	2.1	1.2	0.7	0.5	0.4	0.2
80	11.1	4.6	2.5	1.6	1.1	0.8	0.4
100	20.2	8.5	4.6	2.9	2	1.5	0.7
120	25.5	13.8	7.5	4.7	3.2	2.4	1.2
140		20.9	11.4	7.1	4.9	3.6	1.8
160		25.6	16.3	10.2	7.1	5.2	2.5
180			22.5	14.1	9.8	7.1	3.5
200			25.7	18.8	13	9.5	4.6
220				24.5	17	12.3	6
240					21.5	15.7	7.7
260						19.7	9.6
280						24	11.7
300							14.2
320							17
340							20.1
360							23.6

AmnonDrip 17, 2.2l/h, W.T 0.9-1.2mm, ID 14.4							
Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100
40	2.2	0.9	0.5	0.3	0.2	0.1	0.1
60	6.3	2.6	1.4	0.9	0.6	0.4	0.2
80	13.7	5.6	3	1.9	1.3	0.9	0.5
100	24.9	10.3	5.5	3.4	2.3	1.7	0.8
120		16.8	9	5.6	3.9	2.8	1.4
140		25.4	13.7	8	5.9	4.3	2.1
160			19.7	12.4	8.5	6.2	3
180				17.1	11.8	8.6	4.2
200				22.8	15.7	11.4	5.6
220					20.4	14.9	7.3
240						18.8	9.3
260						23.6	11.6
280							14.2
300							17.2
320							20.5
340							24.3

AmnonDrip 17mm, 3.8 l/h, W.T 0.9-1.2mm, ID 14.4							
Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100
20	1	0.4	0.2	0.1	0.1	0.1	
40	6.5	2.5	1.3	0.7	0.5	0.4	0.2
60	19.2	7.4	3.8	2.2	1.5	1	0.5
80		15.8	8.1	4.8	3.2	2.3	1.1
100			14.7	8.8	5.9	4.2	1.9
120			24.1	14.5	9.8	6.9	3.2
140				22.1	14.8	10.4	4.9
160					21.2	15.1	7
180						20.9	9.7
200							12.9
220							16.8
240							21.3

THICK-WALLED PC FLAT DRIPLINE

AmnonDrip 20mm



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

AmnonDrip-20mm 0.5 l/h W.T 1.0-1.2 mm ID 17.7								AmnonDrip 20, 1.1l/h, W.T 1.0-1.2mm, ID 17.7								AmnonDrip 20, 1.6l/h, W.T 1.0-1.2mm, ID 17.7								AmnonDrip 20, 2.0l/h, W.T 1.0-1.2mm, ID 17.7							
Dripper spacing (cm)								Dripper spacing (cm)								Dripper spacing (cm)								Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100	Lateral length(m)	20	30	40	50	60	70	100	Lateral length(m)	20	30	40	50	60	70	100	Lateral length(m)	20	30	40	50	60	70	100
40	0.2	0.1	0.1					40	0.5	0.2	0.1	0.1	0.1			40	0.9	0.4	0.2	0.1	0.1	0.1		40	1.1	0.5	0.3	0.2	0.1	0.1	0.1
60	0.6	0.3	0.1	0.1	0.1			60	1.3	0.6	0.3	0.2	0.1	0.1	0.1	60	2.1	1	0.5	0.3	0.2	0.2	0.1	60	2.8	1.3	0.7	0.5	0.4	0.3	0.1
80	1.1	0.5	0.3	0.2	0.1	0.1		80	2.6	1.1	0.6	0.4	0.3	0.2	0.1	80	4.1	1.8	1	0.7	0.5	0.3	0.2	80	5.5	2.5	1.4	0.9	0.7	0.5	0.3
100	1.8	0.8	0.4	0.3	0.2	0.1	0.1	100	4.3	1.9	1.1	0.7	0.5	0.3	0.2	100	6.9	3.1	1.7	1.1	0.8	0.6	0.3	100	9.2	4.2	2.4	1.5	1.1	0.8	0.4
120	2.7	1.2	0.7	0.4	0.3	0.2	0.1	120	6.5	2.9	1.6	1	0.7	0.5	0.3	120	10.7	4.8	2.7	1.7	1.2	0.9	0.4	120	14.4	6.4	3.7	2.4	1.7	1.2	0.6
140	3.8	1.7	0.9	0.6	0.4	0.3	0.1	140	9.2	4.1	2.3	1.5	1	0.8	0.4	140	15.4	6.9	3.9	2.5	1.8	1.3	0.7	140	20.7	9.3	5.3	3.4	2.4	1.8	0.9
160	5.1	2.3	1.3	0.8	0.6	0.4	0.2	160	12.7	5.6	3.2	2	1.4	1.1	0.5	160	21.2	9.5	5.4	3.5	2.4	1.8	0.9	160	25.7	12.9	7.4	4.8	3.4	2.5	1.3
180	6.7	2.9	1.7	1.1	0.7	0.5	0.3	180	16.7	7.4	4.2	2.7	1.9	1.4	0.7	180		12.6	7.2	4.6	3.3	2.4	1.2	180		17.3	9.9	6.4	4.5	3.3	1.7
200	8.5	3.8	2.1	1.3	0.9	0.7	0.3	200	21.4	9.6	5.4	3.5	2.4	1.8	0.9	200		16.3	9.3	6	4.2	3.1	1.6	200		22.5	12.8	8.3	5.8	4.4	2.2
220	10.6	4.7	2.6	1.7	1.2	0.9	0.4	220		12.1	6.8	4.4	3.1	2.3	1.1	220		20.7	11.7	7.6	5.3	4	2	220		25.6	16.3	10.5	7.5	5.5	2.8
240	12.9	5.7	3.2	2.1	1.4	1.1	0.5	240		14.8	8.4	5.4	3.8	2.8	1.4	240		25.6	14.6	9.4	6.6	4.9	2.5	240			20.3	13.1	9.3	6.9	3.5
260	15.6	6.9	3.9	2.5	1.7	1.3	0.6	260		18	10.2	6.6	4.6	3.4	1.7	260			17.8	11	8.1	6	3	260			24.8	16.1	11.3	8.5	3.9
280	18.5	8.2	4.6	3	2.1	1.5	0.8	280		21.6	12.3	7.9	5.5	4.1	2.1	280			21.4	13.9	9.7	7.3	3.6	280				19.4	13.7	10.2	5.1
300		9.6	5.4	3.5	2.4	1.8	0.9	300		25.6	14.5	9.4	6.6	4.9	2.4	300			25.5	16.5	11.6	8.6	4.3	300				23.2	16.4	12.2	6.1
320		11.2	6.4	4.1	2.8	2.1	1	320			17.1	11	7.7	5.7	2.9	320				19.4	13.7	10.2	5.1	320				25.4	19.3	14.4	7.2
340		13	7.3	4.7	3.3	2.4	1.2	340			19.9	12.8	9	6.7	3.3	340				22.7	16	11.9	6	340				22.4	16.8	12.2	8.5
360		14.9	8.4	5.4	3.8	2.8	1.4	360			22.9	14.8	10.4	7.7	3.9	360					18.5	13.8	6.9	360				25.2	19.5	9.8	
380		16.9	9.6	6.1	4.3	3.2	1.6	380				16.9	11.9	8.8	4.4	380					21.3	15.8	8	380					22.5	11.3	
400		19.1	10.8	6.9	4.9	3.6	1.8	400				19.3	13.5	10	5	400					24.2	18	9.1	400					25.6	13	
420			12.2	7.8	5.5	4	2	420				21.8	15.3	11.4	5.7	420						20.5	10.3	420						14.7	
440			13.6	8.8	6.1	4.5	2.3	440				24.5	17.2	12.8	6.4	440						23.1	11.7	440						16.6	
460			15.2	9.8	6.8	5	2.5	460					19.3	14.3	7.2	460						25.9	13.1	460						18.7	
480			16.8	10.8	7.6	5.6	2.8	480					21.5	15.9	8	480							14.7	480						21	
500			18.6	12	8.4	6.2	3.1	500					23.9	17.7	8.9	500						16.3	500						23.3		

AmnonDrip 20, 2.2l/h, W.T 1.0-1.2mm, ID 17.7								AmnonDrip 20, 3.8 l/h, W.T 1.0-1.2mm, ID 17.7							
Dripper spacing (cm)								Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100	Lateral length(m)	20	30	40	50	60	70	100
40	1.3	0.6	0.3	0.2	0.1	0.1	0.1	40	0.5	0.2	0.1	0.1	0.1		
60	3.2	1.5	0.8	0.5	0.4	0.3	0.1	60	2.6	1.2	0.7	0.4	0.3	0.2	0.1
80	6.3	2.8	1.6	1	0.7	0.5	0.3	80	6.8	3.1	1.7	1.1	0.8	0.6	0.3
100	10.7	4.8	2.7	1.7	1.2	0.9	0.5	100	13.5	6.1	3.5	2.2	1.6	1.2	0.6
120	16.6	7.5	4.2	2.7	1.9	1.4	0.7	120	23.3	10.6	6	3.9	2.7	2	1
140	24	10.8	6.1	4	2.8	2.1	1	140		16.6	9.4	6.1	4.4	3.2	1.6
160		15	8.5	5.5	3.9	2.9	1.5	160		24.4	13.9	9.1	6.4	4.7	2.4
180		20.1	11.4	7.4	5.2	3.9	2	180			19.6	12.7	9	6.7	3.4
200			14.9	9.6	6.8	5	2.5	200			26.5	17.2	12.2	9.1	4.6
220			18.9	12.3	8.6	6.4	3.2	220				22.6	16	11.9	6.1
240			23.6	15.3	10.8	8	4.1	240					20.5	15.3	7.8
260				18.8	13.2	9.8	5	260					25.9	19.2	9.8
280					22.7	16	11.9	6	280					23.7	12.1
300						19.2	14.2	7.2	300						14.7
320							22.6	16.8	8.5	320					21
340								19.7	10	340					24.7
360								22.9	11.6	360					
380									13.4	380					17.7
400									15.3	400					
420									17.4	420					21
440									19.7	440					
460									22.1	460					
480									24.8	480					

THICK-WALLED PC FLAT DRIPLINE

AmnonDrip 23mm

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

Amnon-23mm ,0.5 l/h W.T 1.0 mm ID 20.8								AmnonDrip 23, 1.1 l/h, W.T 1.00mm, ID 20.8								AmnonDrip 23 1.6l/h, W.T 1.00mm, ID 20.8								AmnonDrip 23, 2.0l/h, W.T 1.00mm, ID 20.8														
Dripper spacing (cm)								Dripper spacing (cm)								Dripper spacing (cm)								Dripper spacing (cm)														
Lateral length(m)	20	30	40	50	60	70	100	Lateral length(m)	20	30	40	50	60	70	100	Lateral length(m)	20	30	40	50	60	70	100	Lateral length(m)	20	30	40	50	60	70	100							
40	0.1							40	0.2	0.1						40	0.2	0.1	0.1					40	0.3	0.2	0.1	0.1			40	0.3	0.2	0.1	0.1			
60	0.2	0.1						60	0.4	0.2	0.1	0.1				60	0.6	0.3	0.2	0.1	0.1	0.1		60	0.8	0.4	0.3	0.2	0.1	0.1	60	1.6	0.8	0.5	0.3	0.2	0.2	0.1
80	0.3	0.1	0.1	0.1				80	0.7	0.3	0.2	0.1	0.1	0.1		80	1.2	0.5	0.3	0.2	0.1	0.1	0.1	80	1.6	0.8	0.5	0.3	0.2	0.2	80	2.8	1.3	0.8	0.5	0.4	0.3	0.2
100	0.5	0.2	0.1	0.1	0.1			100	1.2	0.6	0.3	0.2	0.1	0.1	0.1	100	2	0.9	0.5	0.4	0.3	0.2	0.1	100	2.8	1.3	0.8	0.5	0.4	0.3	100	4.3	2	1.2	0.8	0.6	0.5	0.3
120	0.7	0.3	0.2	0.1	0.1	0.1		120	1.8	0.9	0.5	0.3	0.2	0.2	0.1	120	3.1	1.5	0.8	0.6	0.4	0.3	0.2	120	4.3	2	1.2	0.8	0.6	0.5	120	6.4	3	1.8	1.2	0.8	0.7	0.4
140	1	0.5	0.3	0.2	0.1	0.1		140	2.7	1.2	0.7	0.5	0.3	0.2	0.1	140	4.6	2.1	1.2	0.8	0.6	0.4	0.2	140	6.4	3	1.8	1.2	0.8	0.7	140	9	4.2	2.5	1.6	1.2	0.9	0.5
160	1.4	0.7	0.4	0.2	0.2	0.1	0.1	160	3.7	1.7	1	0.7	0.5	0.3	0.2	160	6.4	3	1.7	1.1	0.8	0.6	0.3	160	9	4.2	2.5	1.6	1.2	0.9	160	12.1	5.7	3.3	2.2	1.6	1.2	0.6
180	1.9	0.9	0.5	0.3	0.2	0.2	0.1	180	4.9	2.3	1.3	0.9	0.6	0.5	0.2	180	8.7	4	2.3	1.5	1.1	0.8	0.4	180	12.1	5.7	3.3	2.2	1.6	1.2	180	15.9	7.5	4.4	2.9	2.1	1.6	0.8
200	2.4	1.1	0.6	0.4	0.3	0.2	0.1	200	6.4	3	1.7	1.1	0.8	0.6	0.3	200	11.3	5.3	3.1	2	1.4	1.1	0.6	200	15.9	7.5	4.4	2.9	2.1	1.6	200	20.4	9.5	5.6	3.7	2.7	2	1
220	3	1.4	0.8	0.5	0.4	0.3	0.1	220	8.1	3.8	2.2	1.4	1	0.8	0.4	220	14.4	6.7	3.9	2.6	1.8	1.4	0.7	220	20.4	9.5	5.6	3.7	2.7	2	220	25.3	12	7	4.6	3.3	2.5	1.3
240	3.7	1.7	1	0.6	0.5	0.3	0.2	240	10.1	4.7	2.7	1.8	1.3	1	0.5	240	18.1	8.4	4.9	3.2	2.3	1.7	0.9	240	25.3	12	7	4.6	3.3	2.5	240	31	14	8	5	3.5	2.3	1.1
260	4.5	2.1	1.2	0.8	0.6	0.4	0.2	260	12.3	5.7	3.3	2.2	1.6	1.2	0.6	260	22.2	10.4	6	4	2.8	2.1	1.1	260	31	14	8	5	3.5	2.3	260	37	17	9	5	3.5	2.3	1.1
280	5.3	2.5	1.4	0.9	0.7	0.5	0.3	280	14.9	7	4	2.7	1.9	1.4	0.7	280	26	11	6	4	2.8	2.1	1.1	280	37	17	9	5	3.5	2.3	280	43	19	10	6	4	3	1.2
300	6.3	2.9	1.7	1.1	0.8	0.6	0.3	300	17.8	8.3	4.8	3.2	2.3	1.7	0.9	300	31	13	7	4	2.9	2.1	1.1	300	43	19	10	6	4	3	300	50	22	11	7	4	3	1.2
320	7.4	3.4	2	1.3	0.9	0.7	0.4	320	21	9.8	5.7	3.7	2.7	2	1	320	36	15	8	5	3	2.2	1.1	320	50	22	11	7	4	3	320	58	26	13	8	5	3	1.2
340	8.5	4	2.3	1.5	1.1	0.8	0.4	340	24.5	11.5	6.7	4.4	3.1	2.3	1.2	340	41	17	9	5	3.2	2.2	1.1	340	58	26	13	8	5	3	340	67	30	15	9	6	4	1.2
360	9.8	4.6	2.7	1.7	1.2	0.9	0.5	360	28	13.3	7.8	5.1	3.6	2.7	1.4	360	47	19	10	6	3.4	2.4	1.2	360	67	30	15	9	6	4	360	77	34	17	10	7	5	1.2
380	11.2	5.2	3	2	1.4	1.1	0.5	380	32	15.3	8.9	5.9	4.2	3.1	1.6	380	53	21	11	7	3.7	2.6	1.3	380	77	34	17	10	7	5	380	87	38	19	11	8	6	1.2
400	12.8	5.9	3.5	2.3	1.6	1.2	0.6	400	37	17.5	10.2	6.7	4.8	3.6	1.8	400	60	23	12	8	4	2.8	1.4	400	87	38	19	11	8	6	400	97	42	20	12	9	7	1.2
420	14.4	6.7	3.9	2.6	1.8	1.4	0.7	420	42	19.8	11.6	7.6	5.4	4.1	2.1	420	68	25	13	9	4.2	3	1.5	420	97	42	20	12	9	7	420	107	46	22	13	10	8	1.2
440	16.2	7.5	4.4	2.9	2	1.5	0.8	440	48	22.4	13.1	8.6	6.1	4.6	2.4	440	77	28	14	9	4.5	3.2	1.6	440	107	42	20	12	9	7	440	117	50	24	14	11	9	1.2
460	18.1	8.4	4.9	3.2	2.3	1.7	0.9	460	55	25.2	14.7	9.7	6.9	5.2	2.7	460	87	31	15	10	4.8	3.5	1.7	460	117	50	24	14	11	9	460	127	54	26	15	12	10	1.2
480	9.4	5.5	3.6	2.5	1.9	1		480	63	29	16.5	10.8	7.7	5.8	3	480	99	34	16	11	5.1	3.8	1.8	480	127	54	26	15	12	10	480	137	58	28	16	13	11	1.2
500	10.4	6.1	4	2.8	2.1	1.1		500	72	33	18.4	12.1	8.6	6.5	3.3	500	113	38	17	12	5.4	4	1.9	500	137	54	26	15	12	10	500	147	62	30	17	14	12	1.2



AmnonDrip 23 2.2l/h, W.T 1.00mm, ID 20.8								AmnonDrip 23 3.8l/h, W.T 1.00mm, ID 20.8							
Dripper spacing (cm)								Dripper spacing (cm)							
Lateral length(m)	20	30	40	50	60	70	100	Lateral length(m)	20	30	40	50	60	70	100
40	0.4	0.2	0.1	0.1				40	0.2	0.1					
60	0.9	0.4	0.3	0.2	0.1	0.1		60	2	1	0.6	0.4	0.3	0.2	0.1
80	1.8	0.9	0.5	0.3	0.2	0.2	0.1	80	4.2	2	1.1	0.7	0.5	0.4	0.2
100	3.2	1.5	0.9	0.6	0.4	0.3	0.2	100	7.4	3.5	2	1.3	0.9	0.7	0.4
120	5	2.4	1.4	0.9	0.6	0.5	0.3	120	11.9	5.6	3.2	2.1	1.5	1.2	0.6
140	7.4	3.5	2	1.3	1	0.7	0.4	140	17.8	8.4	4.9	3.2	2.3	1.7	0.9
160	10.5	4.9	2.9	1.9	1.3	1	0.5	160	25.5	11.9	7	4.6	3.3	2.5	1.3
180	14.2	6.6	3.9	2.5	1.8	1.4	0.7	180	34	16.3	9.5	6.3	4.5	3.4	1.8
200	18.7	8.8	5.1	3.4	2.4	1.8	0.9	200	44	21.7	12.6	8.3	6	4.5	2.3
220	24	11.2	6.5	4.3	3.1	2.3	1.2	220	56	27	15.6	10.8	7.7	5.8	3
240	30	14.1	8.2	5.4	3.9	2.9	1.5	240	70	33	19.5	13.7	9.8	7.3	3.8
260	37	17.5	10.2	6.7	4.8	3.6	1.9	260	87	40	23.8	16.7	11.8	8.8	4.7
280	45	21.3	12.4	8.2	5.8	4.4	2.3	280	107	49	29.1	20.8	14.8	11.2	5.8
300	54	25.6	14.9	9.8	7	5.3	2.7	300	130	59	35.6	25.1	18	13.5	7
320	64	30	17.8	11.7	8.4	6.3	3.2								
340	76	36	21	13.8	9.8	7.4	3.8								
360	90	43	24.5	16.1	11.4	8.6	4.5								
380	106	52	29	18.6	13.3	9.9	5.2								
400	124	62	35	21.4	15.2	11.5	5.9								
420	144	74	42	24.4	17.4	13.1	6.8								
440	166	88	51	28	19.8	14.8	7.7								
460	192	105	61	33	22.3	16.8	8.7								
480	222	125	73	38	25	18.8	9.7								
500	256	148	88	45	30	21.1	10.9								