

AmnonDrip PC, CNL & PC AS



Innovative, pressure-compensating (PC) dripline with special anti-syphon (AS) and compensating non-leakage (CNL) models, based on the Cascade labyrinth

APPLICATIONS

- Versatile, all-purpose dripline
- Pulse irrigation of greenhouses, vegetables and orchards
- Subsurface Drip Irrigation (SDI)

STRUCTURE AND FEATURES

- Pressure-compensating (PC) for maximum accuracy at variable topography and long laterals
- Cascade labyrinth provides strong self-cleaning turbulence
- Hydrodynamic dripper design ensures continuous flushing of sediments and small dirt particles
- Low CV for maximal uniformity
- Weir structure prevents root intrusion and sand suction
- 3D water inlet structure improves clog resistance
- High-quality diaphragm
- Available as regular coil or on carton spool (see packing and shipping table)

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



1.1, 1.6, 2.2, 3.8 l/h

AmnonDrip CNL



1.1, 1.6, 2.2, 3.8 l/h

AmnonDrip PC AS



1.1, 1.6, 2.2, 3.8 l/h



TECHNICAL DATA

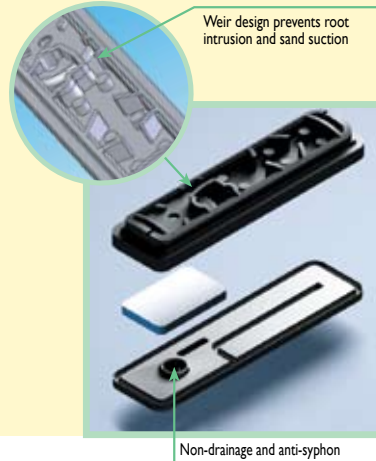
- Flow rate: 1.1, 1.6, 2.2, 3.8 l/h
- CNL: Opening pressure - 1.0 bar
Closing pressure - 0.20 bar
- Pressure regulating range:
PC & AS models - 0.5-4.0 bar
PC CNL - 1.0-4.0 bar
- Filtration recommended: 130 micron (120 mesh)

AmnonDrip PC, CNL & PC AS

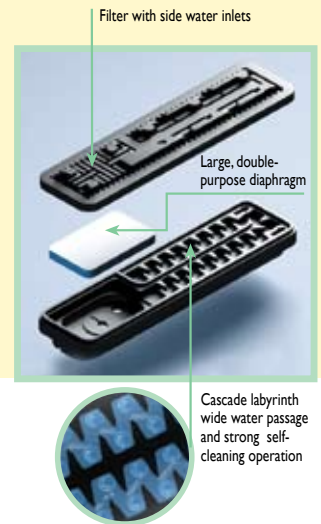
TECHNICAL DATA

Nominal diameter (mm)	Wall thickness		OD (mm)	ID (mm)	Maximum Pressure (bar)	Connector type	
	(mm)	(mil)				Barb	Tape
16	0.90	35	15.70	13.9	3.0	●	
16	1.00	39	15.90	13.9	3.5	●	
16	1.15	45	16.20	13.9	3.5	●	
17	0.63	25	16.90	15.6	2.5		●
17	0.90	35	16.20	14.4	3.0	●	
17	1.00	39	16.40	14.4	3.0	●	
17	1.20	47	17.00	14.4	3.5	●	
20	1.00	39	19.70	17.70	3.0	●	
20	1.20	45	20.10	17.70	3.5	●	
23	1.00	39	22.80	20.8	3.0		●

TOP VIEW



BOTTOM VIEW



AMNONDRIP PACKAGING AND SHIPPING

Coils (standard)

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	330	375
16	1.00	500	150	330	375
16	1.15	500	150	330	375
17	0.90	500	150	330	375
17	1.00	500	150	330	375
17	1.20	500	150	330	375
20	1.00	300	150	330	375
20	1.20	300	150	330	375

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	0.90	450	320	640	720
16	1.00	450	320	640	720
17	0.63	600	320	640	720
17	0.90	450	320	640	720
17	1.00	400	320	640	720
20	0.90	300	320	640	720
20	1.00	300	320	640	720
23	1.00	300	320	640	720

* Dripper spacing can affect coil length.



AmnonDrip PC, CNL & PC AS



HEAD LOSS (M) IN RELATION TO LATERAL LENGTH (M), DRIPPER FLOW RATE AND SPACING (CM)

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, 2.2l/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)								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	0.70	100
20	0.2	0.1						20	0.3	0.1	0.1					20	0.5	0.2	0.1	0.1				20	1.2	0.5	0.3	0.1	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	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	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	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	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	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	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		14.2	7.4	4.5	3.1	2.2	1.1	100			19.2	11.8	8.0	5.8	2.8
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		23.4	12.2	7.5	5.1	3.6	1.7	120				19.5	13.3	9.6	4.6
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			18.6	11.4	7.7	5.5	2.7	140					20.3	14.5	7.1
160		15.4	8	4.9	3.3	2.4	1.1	160			15.4	9.4	6.4	4.6	2.2	160				16.5	11.1	8.0	3.8	160						21.2	10.2
180		21.2	11.1	6.8	4.6	3.3	1.5	180			21.2	13	8.8	6.4	3	180				22.8	15.5	11.2	5.3	180							14.1
200			14.8	9	6.1	4	2.1	200				17.4	11.8	8.4	4	200					20.7	14.8	7.1	200							18.9
220				19.2	11.7	7.9	2.7	220				22.6	15.3	11	5.3	220						19.4	9.3	220							
240				24.3	14.9	10.1	3.4	240					19.5	14	6.7	240						24.6	11.8	240							
260					18.5	12.5	4.3	260					24.3	17.5	8.3	260							14.7	260							
280					22.7	15.3	5.2	280						21.5	10.2	280							18.1	280							
300						18.6	6.3	300						25.9	12.4	300							21.9	300							
320					22.2	16	7.6	320							14.8	320								320							
340						18.9	9	340							17.5	340								340							
360						22.1	10.5	360							20.6	360								360							
380						25.6	12.2	380							23.9	380								380							
400							14.1																								
420							16.1																								
440							18.4																								
460							20.8																								
480							23.4																								



HEAD LOSS (M) IN RELATION TO LATERAL LENGTH (M), DRIPPER FLOW RATE AND SPACING (CM)

AmnonDrip 17, 1.1l/h, W.T 0.9-1.2mm, ID 14.4

Lateral length(m)	Dripper spacing (cm)						
	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

Lateral length(m)	Dripper spacing (cm)						
	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, 2.2l/h, W.T 0.9-1.2mm, ID 14.4

Lateral length(m)	Dripper spacing (cm)						
	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 I.D 14.4

Lateral length(m)	Dripper spacing (cm)						
	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

AmnonDrip PC, CNL & PC AS



HEAD LOSS (M) IN RELATION TO LATERAL LENGTH (M), DRIPPER FLOW RATE AND SPACING (CM)

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, 2.2l/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)								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	0.5	0.2	0.1	0.1	0.1			40	0.9	0.4	0.2	0.1	0.1	0.1		40	1.3	0.6	0.3	0.2	0.1	0.1	0.1	20	0.5	0.2	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	3.2	1.5	0.8	0.5	0.4	0.3	0.1	40	2.6	1.2	0.7	0.4	0.3	0.2	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	6.3	2.8	1.6	1	0.7	0.5	0.3	60	6.8	3.1	1.7	1.1	0.8	0.6	0.3	
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	10.7	4.8	2.7	1.7	1.2	0.9	0.5	80	13.5	6.1	3.5	2.2	1.6	1.2	0.6	
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	16.6	7.5	4.2	2.7	1.9	1.4	0.7	100	23.3	10.6	6	3.9	2.7	2	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	24	10.8	6.1	4	2.8	2.1	1	120		16.6	9.4	6.1	4.4	3.2	1.6	
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		15	8.5	5.5	3.9	2.9	1.5	140		24.4	13.9	9.1	6.4	4.7	2.4	
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		20.1	11.4	7.4	5.2	3.9	2	160			19.6	12.7	9	6.7	3.4	
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			14.9	9.6	6.8	5	2.5	180				26.5	17.2	12.2	9.1	4.6
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			18.9	12.3	8.6	6.4	3.2	200					22.6	16	11.9	6.1
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			23.6	15.3	10.8	8	4.1	220						20.5	15.3	7.8
260		18	10.2	6.6	4.6	3.4	1.7	260			17.8	11	8.1	6	3	260				18.8	13.2	9.8	5	240						25.9	19.2	9.8
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				22.7	16	11.9	6	260						23.7	12.1	
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					19.2	14.2	7.2	280							14.7	
320			17.1	11	7.7	5.7	2.9	320				19.4	13.7	10.2	5.1	320					22.6	16.8	8.5	300							17.7	
340			19.9	12.8	9	6.7	3.3	340				22.7	16	11.9	6	340						19.7	10	320							21	
360			22.9	14.8	10.4	7.7	3.9	360					18.5	13.8	6.9	360						22.9	11.6	340							24.7	
380				16.9	11.9	8.8	4.4	380					21.3	15.8	8	380							13.4									
400				19.3	13.5	10	5	400					24.2	18	9.1	400							15.3									
420				21.8	15.3	11.4	5.7	420						20.5	10.3	420							17.4									
440				24.5	17.2	12.8	6.4	440						23.1	11.7	440							19.7									
460					19.3	14.3	7.2	460						25.9	13.1	460							22.1									
480					21.5	15.9	8	480							14.7	480							24.8									
500					23.9	17.7	8.9	500						16.3		500							16.3									

AmnonDrip PC, CNL & PC AS



HEAD LOSS (M) IN RELATION TO LATERAL LENGTH (M), DRIPPER FLOW RATE AND SPACING (CM)

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 2.2l/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)								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						40	0.2	0.1	0.1					40	0.4	0.2	0.1	0.1				20	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	0.9	0.4	0.3	0.2	0.1	0.1		40	0.7	0.4	0.2	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	1.8	0.9	0.5	0.3	0.2	0.2	0.1	60	2	1	0.6	0.4	0.3	0.2	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	3.2	1.5	0.9	0.6	0.4	0.3	0.2	80	4.2	2	1.1	0.7	0.5	0.4	0.2	
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	5	2.4	1.4	0.9	0.6	0.5	0.3	100	7.4	3.5	2	1.3	0.9	0.7	0.4	
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	7.4	3.5	2	1.3	1	0.7	0.4	120	11.9	5.6	3.2	2.1	1.5	1.2	0.6	
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	10.5	4.9	2.9	1.9	1.3	1	0.5	140	17.8	8.4	4.9	3.2	2.3	1.7	0.9	
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	14.2	6.6	3.9	2.5	1.8	1.4	0.7	160	25.5	11.9	7	4.6	3.3	2.5	1.3	
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	18.7	8.8	5.1	3.4	2.4	1.8	0.9	180		16.3	9.5	6.3	4.5	3.4	1.8	
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	24	11.2	6.5	4.3	3.1	2.3	1.2	200		21.7	12.6	8.3	6	4.5	2.3	
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		14.1	8.2	5.4	3.9	2.9	1.5	220			16.4	10.8	7.7	5.8	3	
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		17.5	10.2	6.7	4.8	3.6	1.9	240			20.7	13.7	9.8	7.3	3.8	
280	14.9	7	4	2.7	1.9	1.4	0.7	280		12.6	7.3	4.8	3.4	2.6	1.3	280		21.3	12.4	8.2	5.8	4.4	2.3	260				17	12.1	9.1	4.7	
300	17.8	8.3	4.8	3.2	2.3	1.7	0.9	300		15.1	8.8	5.8	4.1	3.1	1.6	300		25.6	14.9	9.8	7	5.3	2.7	280				20.8	14.8	11.2	5.8	
320	21	9.8	5.7	3.7	2.7	2	1	320		17.9	10.5	6.9	4.9	3.7	1.9	320			17.8	11.7	8.4	6.3	3.2	300					25.1	18	13.5	7
340	24.5	11.5	6.7	4.4	3.1	2.3	1.2	340		21	12.3	8.1	5.8	4.3	2.2	340			21	13.8	9.8	7.4	3.8	320								
360		13.3	7.8	5.1	3.6	2.7	1.4	360		24.4	14.3	9.4	6.7	5	2.6	360			24.5	16.1	11.4	8.6	4.5	340								
380		15.3	8.9	5.9	4.2	3.1	1.6	380			16.5	10.9	7.7	5.8	3	380				18.6	13.3	9.9	5.2	360								
400		17.5	10.2	6.7	4.8	3.6	1.8	400			18.9	12.5	8.9	6.7	3.4	400				21.4	15.2	11.5	5.9	380								
420		19.8	11.6	7.6	5.4	4.1	2.1	420			21.6	14.2	10.1	7.6	3.9	420				24.4	17.4	13.1	6.8	400								
440		22.4	13.1	8.6	6.1	4.6	2.4	440			24.5	16.1	11.5	8.6	4.4	440					19.8	14.8	7.7	420								
460		25.22	14.7	9.7	6.9	5.2	2.7	460				18.1	12.9	9.7	5	460					22.3	16.8	8.7	440								
480			16.5	10.8	7.7	5.8	3	480				20.3	14.5	10.9	5.6	480					25	18.8	9.7	460								
500			18.4	12.1	8.6	6.5	3.3	500				22.7	16.2	12.2	6.3	500						21.1	10.9	480								