

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



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 rates: 1.1, 1.6, 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

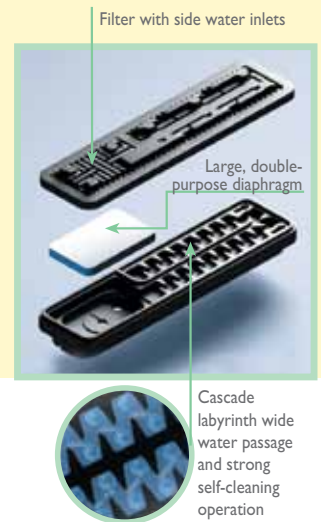
**TECHNICAL DATA**

Nominal diameter (mm)	Wall thickness		OD (mm)	ID (mm)	Maximum Pressure (bar)	Connector type	
	(mm)	(mil)				Barb	Tape
16	0.63	25	15.16	13.9	2.5	●	
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	47	20.10	17.70	3.5	●	
23	1.00	39	22.80	20.8	3.0		●

**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
16	0.90	400	320	640	720
16	1.00	400	320	640	720
17	0.63	600	320	640	720
17	0.90	400	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



**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
16	1.00	500	150	320	360
16	1.15	500	150	320	360
17	0.90	500	150	320	360
17	1.00	500	150	320	360
17	1.20	500	150	320	360
20	1.00	300	150	345	365
20	1.20	300	150	345	365

\* Dropper 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 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																								