

THICK-WALLED PRESSURE COMPENSATING DRIPPERS

NaanPC



State-of-the-art cylindrical PC (Pressure-Compensating) dripper ensures highest durability and excellent performance

APPLICATIONS

- Ideal solution for irrigation in topographically challenging terrain and where long laterals are required
- For accurate irrigation of orchards, open field crops and greenhouses

STRUCTURE AND FEATURES

- 16 mm and 20 mm polyethylene dripline with integrated pressure-compensating drippers
- Double water inlets and outlets per dripper
- New formulated silicone diaphragm ensures reliable and accurate performance with diverse water qualities, chemicals and fertilizers
- Individual double filter and flushing mechanism for maximal clog resistance and self-cleaning

16 mm



1.1 l/h



1.6 l/h



2.2 l/h



3.5 l/h

20 mm



0.95 l/h



1.6 l/h

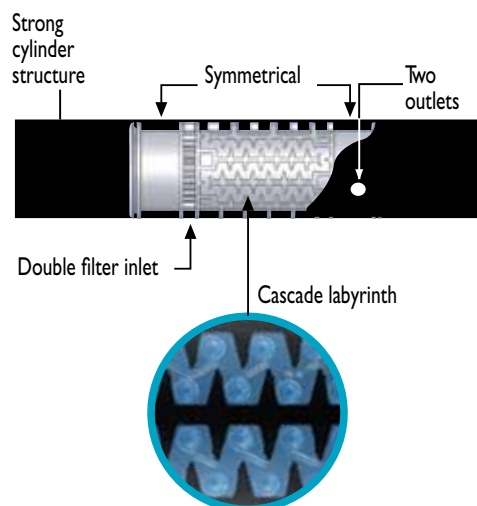


2.2 l/h



3.8 l/h

Naan PC dripper structure



THICK & MEDIUM WALLED PC CYLINDRICAL DRIPLINE

NaanPC

TECHNICAL DATA

Product name	Wall thickness (mm)	OD (mm)	ID (mm)	Nominal flow rate (l/h)	Pressure regulating range (bar)	Max pressure (bar)	KD	Connector Type
NaanPC 16/1.1	0.90	15.7	13.9	1.2	0.5-3.0	3.0	0.7	Barb 16
	1.00	15.9		1.2	0.5-3.5	3.5	0.7	
	1.15	16.2		1.1	0.5-3.5	3.5	0.7	
NaanPC 16/1.6	0.90	15.7	13.9	1.6	0.5-3.0	3.0	0.7	
	1.00	15.9		1.6	0.5-3.5	3.5	0.7	
	1.15	16.2		1.6	0.5-3.5	3.5	0.7	
NaanPC 16/2.2	0.90	15.7	13.9	2.3	0.5-3.0	3.0	0.7	
	1.00	15.9		2.3	0.5-3.5	3.5	0.7	
	1.15	16.2		2.2	0.5-3.5	3.5	0.7	
NaanPC 16/3.5	0.90	15.7	13.9	3.5	0.7-3.0	3.0	0.7	
	1.00	15.9		3.5	0.7-3.5	3.5	0.7	
	1.15	16.2		3.5	0.7-3.5	3.5	0.7	
NaanPC 20/0.95	1.00	19.7	17.7	0.95	0.7-3.0	3.0	0.9	Barb 20
	1.20	20.1		0.95	0.7-3.5	3.5	0.9	
NaanPC 20/1.6	1.00	19.7	17.7	1.6	0.5-3.0	3.0	0.9	
	1.20	20.1		1.6	0.5-3.5	3.5	0.9	
NaanPC 20/2.2	1.00	19.7	17.7	2.3	0.5-3.0	3.0	0.9	
	1.20	20.1		2.2	0.5-3.5	3.5	0.9	
NaanPC 20/3.8	1.00	19.7	17.7	4.0	0.5-3.0	3.0	0.9	
	1.20	20.1		3.8	0.5-3.5	3.5	0.9	

NAANPC PACKAGING AND SHIPPING

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	400	165	350	395
	1.00	400	165	350	395
	1.15	400	165	350	395
20	1.00	300	125	270	300
	1.20	300	134	290	320



THICK & MEDIUM WALLED PC CYLINDRICAL DRIPLINE

NaanPC 16mm



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

NaanPC 16/1.1 1.2 l/h, W.T 0.9 -1.00mm ID 13.9mm

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.1						
40	0.7	0.3	0.1	0.1	0.1		
60	2.3	0.9	0.4	0.3	0.2	0.1	0.1
80	5.4	2	1	0.6	0.4	0.3	0.1
100	10.6	3.9	2	1.2	0.8	0.6	0.3
120	18.3	6.7	3.3	2	1.4	1	0.5
140		10.5	5.2	3.1	2.1	1.5	0.7
160		15.6	7.8	4.7	3.1	2.2	1.1
180		22	11	6.6	4.4	3.1	1.5
200			15	8.9	6	4.2	2
220			19.9	11.8	7.9	5.6	2.7
240				25.7	15.3	10.2	3.4
260					19.3	12.8	9.1
280					24	15.9	11.4
300						19.6	13.8
320						23.6	16.8
340							19.9
360							23.6
380							
400							
420							
440							
460							
480							

NaanPC 16/1.1 1.1 l/h, W.T 1.15 mm ID 13.9mm

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.1						
40	0.6	0.2	0.1	0.1			
60	1.9	0.7	0.4	0.2	0.2	0.1	0.1
80	4.6	1.7	0.9	0.5	0.4	0.3	0.1
100	8.9	3.3	1.6	1	0.7	0.5	0.2
120	15.4	5.6	2.8	1.7	1.1	0.8	0.4
140	24.4	8.8	4.4	2.7	1.8	1.3	0.6
160		13.1	6.6	3.9	2.6	1.9	0.9
180		18.5	9.3	5.6	3.7	2.7	1.3
200			25.4	12.7	7.6	5.1	3.6
220				16.8	10	6.7	4.8
240					21.7	12.9	8.6
260						16.3	10.9
280						20.3	13.5
300						24.9	16.5
320							19.9
340							23.7
360							
380							
400							
420							
440							
460							
480							

NaanPC 16/1.6 1.6 l/h, W.T 0.9 -1.15 mm ID 13.9mm

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.2	0.1					
40	1.2	0.5	0.2	0.1	0.1	0.1	
60	4.1	1.5	0.8	0.5	0.3	0.2	0.1
80	9.7	3.5	1.8	1.1	0.7	0.5	0.3
100	18.8	6.8	3.4	2	1.4	1	0.5
120		11.7	5.8	3.5	2.4	1.7	0.8
140		18.4	9.2	5.5	3.7	2.6	1.3
160			13.6	8.1	5.4	3.9	1.8
180			19.3	11.5	7.7	5.5	2.6
200				15.6	10.4	7.4	3.5
220					20.7	13.7	9.8
240						17.8	12.5
260							15.9
280							19.8
300							24.1
320							
340							
360							
380							
400							

NaanPC 16/2.2 2.3 l/h, W.T 0.9-1.00 mm ID 13.9mm

Lateral length(m)	Dripper spacing (cm)								
	20	30	40	50	60	70	80	90	100
20	0.3	0.1	0.1						
40	2.5	0.9	0.5	0.3	0.2	0.1	0.1	0.1	0.1
60	8.4	3.1	1.6	0.9	0.6	0.5	0.3	0.3	0.2
80	19.9	7.2	3.6	2.2	1.5	1	0.8	0.6	0.5
100		14	6.9	4.1	2.8	2	1.5	1.2	1
120		24	11.9	7.1	4.7	3.4	2.5	2	1.6
140			18.7	11.1	7.4	5.2	4	3.1	2.5
160				16.4	10.9	7.7	5.8	4.5	3.7
180				23.2	15.5	11	8.1	6.3	5.1
200					21	14.8	11	8.6	6.9
220						19.6	14.6	11.4	9.1
240							25.2	18.7	14.6
260								23.7	18.4
280									22.9
300									

NaanPC 16/2.2 2.2 l/h, W.T 1.15 mm ID 13.9mm

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.3	0.1	0.1				
40	2.3	0.9	0.4	0.3	0.2	0.1	0.1
60	7.7	2.8	1.4	0.9	0.6	0.4	0.2
80	18.2	6.6	3.3	2	1.3	1	0.5
100		12.8	6.4	3.8	2.5	1.8	0.9
120		22	10.9	6.5	4.4	3.1	1.5
140			17.1	10.2	6.8	4.8	2.3
160				25.4	15.1	10	7.1
180					21.3	14.2	10.1
200						19.2	13.6
220							25.3
240							
260							
280							
300							
320							

NaanPC 16/3.5 3.5 l/h, W.T 0.9-1.15 mm ID 13.9mm

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
20	0.8	0.3	0.1	0.1	0.1		
40	5.8	2.1	1.1	0.6	0.4	0.3	0.2
60	19.5	7.1	3.6	2.1	1.4	1	0.5
80		16.4	8.2	4.9	3.3	2.3	1.1
100			15.8	9.3	6.2	4.4	2.1
120				15.9	10.7	7.5	3.6
140					25.1	16.7	11.7
160						24.5	17.4
180							24.6
200							
220							

THICK & MEDIUM WALLED PC CYLINDRICAL DRIPLINE

NaanPC 20mm



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

NaanPC 20/0.95 0.95 l/h, W.T 1.00-1.20mm ID 17.7mm

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
40	0.2	0.1					
60	0.7	0.2	0.1	0.1			
80	1.5	0.6	0.3	0.2	0.1	0.1	
100	2.9	1.1	0.5	0.3	0.2	0.1	0.1
120	5	1.8	0.9	0.5	0.3	0.2	0.1
140	7.8	2.8	1.4	0.8	0.5	0.4	0.2
160	11.5	4.1	2	1.2	0.8	0.5	0.3
180	16.2	5.7	2.8	1.7	1.1	0.8	0.4
200	22	7.8	3.8	2.2	1.5	1	0.5
220		10.3	5	2.9	1.9	1.4	0.6
240		13.2	6.5	3.8	2.5	1.7	0.8
260		16.6	8.1	4.8	3.1	2.2	1
280		20.3	10.1	5.9	3.9	2.7	1.2
300		25.1	12.3	7.2	4.7	3.3	1.5
320			14.9	8.7	5.7	4	1.8
340			17.7	10.3	6.8	4.7	2.2
360			20.9	12.2	7.9	5.6	2.5
380			24.5	14.3	9.3	6.5	3
400				16.5	10.8	7.6	3.4
420				19	12.4	8.7	3.9
440				21.8	14.2	10	4.5
460				24.7	16.1	11.3	5.1
480					18.2	12.8	5.8
500					20.5	14.4	6.5

NaanPC 20/1.6 1.6 l/h, W.T 1.00-1.20mm ID 17.7mm

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
40	0.6	0.2	0.1	0.1			
60	1.8	0.7	0.3	0.2	0.1	0.1	
80	4.1	1.5	0.7	0.4	0.3	0.2	0.1
100	7.9	2.8	1.4	0.8	0.5	0.4	0.2
120	13.4	4.8	2.3	1.4	0.9	0.6	0.3
140	21	7.4	3.7	2.1	1.4	1.0	0.5
160		11	5.4	3.1	2.1	1.5	0.7
180		15.4	7.5	4.4	2.9	2.0	0.9
200		20.9	10.2	6.0	3.9	2.7	1.3
220			13.5	7.9	5.2	3.6	1.6
240			17.3	10.1	6.6	4.6	2.1
260			21.8	12.8	8.3	5.9	2.7
280				15.8	10.3	7.3	3.3
300				19.3	12.6	8.8	4.0
320				23.2	15.2	10.7	4.8
340					18	12.6	5.7
360					21.2	14.9	6.7
380					24.9	17.4	7.9
400						20.2	9.1
420						23.3	10.5
440							12
460							13.6
480							15.4
500							17.3

NaanPC 20/2.2 2.2 l/h, W.T 1.00-1.20mm ID 17.7mm

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
40	1.0	0.4	0.2	0.1	0.1	0.1	
60	3.3	1.2	0.6	0.3	0.2	0.2	0.1
80	7.6	2.7	1.3	0.8	0.5	0.4	0.2
100	14.5	5.2	2.5	1.5	1.0	0.7	0.3
120	24.6	8.8	4.3	2.5	1.7	1.2	0.5
140		13.6	6.7	3.9	2.6	1.8	0.8
160		20.1	9.8	5.7	3.8	2.6	1.2
180			13.8	8.1	5.3	3.7	1.7
200			18.7	10.9	7.2	5.0	2.3
220			24.6	14.4	9.4	6.6	3.0
240				18.5	12.1	8.4	3.8
260				23.3	15.2	10.7	4.8
280					18.8	13.2	6.0
300					23.0	16.1	7.3
320						19.4	8.7
340						23.0	10.4
360							12.3
380							14.3
400							16.6
420							19.1
440							21.8
460							24.7

NaanPC 20/3.8 3.8 l/h, W.T 1.00-1.20mm ID 17.7mm

Lateral length(m)	Dripper spacing (cm)						
	20	30	40	50	60	70	100
40	2.9	1.0	0.5	0.3	0.2	0.1	0.1
60	9.3	3.4	1.7	1.0	0.6	0.4	0.2
80	21.5	7.6	3.7	2.2	1.4	1.0	0.5
100		14.6	7.1	4.2	2.7	1.9	0.9
120		24.7	12.0	7.0	4.6	3.2	1.5
140			18.8	11.0	7.2	5.0	2.3
160				16.1	10.5	7.4	3.4
180				22.6	14.8	10.4	4.7
200					20.0	14.0	6.4
220						18.5	8.4
240						23.6	10.7
260							13.5
280							16.6
300							20.3
320							24.4