

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, or where long laterals are required
- For accurate irrigation of orchards, open field crops and greenhouses

STRUCTURE AND FEATURES

- Continuous 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

NaanPC 16 mm



1.1



1.6



2.2



3.5

NaanPC 20 mm



0.95



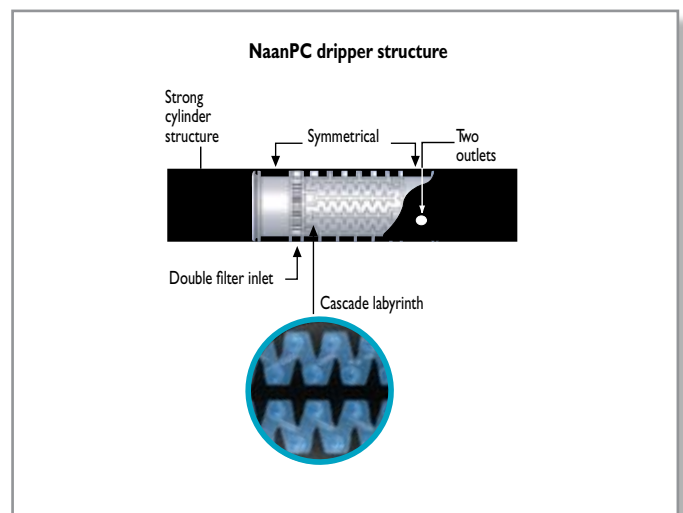
1.6



2.2



3.8



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
Dripper spacing (cm)

Lateral length(m)	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	7.2	3.4
260				19.3	12.8	9.1	4.3
280				24	15.9	11.4	5.3
300					19.6	13.8	6.5
320					23.6	16.8	7.8
340						19.9	9.3
360						23.6	11
380							12.9
400							14.9
420							17.2
440							19.6
460							22.3
480							25.3

NaanPC 16/1.1 1.1 l/h, W.T 1.15 mm ID 13.9mm
Dripper spacing (cm)

Lateral length(m)	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	1.7
220			16.8	10	6.7	4.8	2.2
240			21.7	12.9	8.6	6.1	2.9
260				16.3	10.9	7.7	3.6
280				20.3	13.5	9.6	4.5
300				24.9	16.5	11.7	5.5
320					19.9	14.2	6.6
340					23.7	16.9	7.9
360						20	9.3
380						23.3	10.9
400							12.6
420							14.5
440							16.6
460							18.9
480							21.4
500							24.1

NaanPC 16/1.6 1.6 l/h, W.T 0.9 -1.15 mm ID 13.9mm
Dripper spacing (cm)

Lateral length(m)	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	4.6
240					17.8	12.5	5.9
260					22.4	15.9	7.4
280						19.8	9.2
300						24.1	11.2
320							13.5
340							16.1
360							19
380							22.2
400							25.8

NaanPC 16/2.2 2.3 l/h, W.T 0.9-1.00 mm ID 13.9mm
Dripper spacing (cm)

Lateral length(m)	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	11.8
260							23.7	18.4	14.8
280								22.9	18.4
300									22.4

NaanPC 16/2.2 2.2 l/h, W.T 1.15 mm ID 13.9mm
Dripper spacing (cm)

Lateral length(m)	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	3.4
180				21.3	14.2	10.1	4.7
200					19.2	13.6	6.4
220					25.3	18	8.4
240						23.1	10.8
260							13.6
280							16.9
300							20.6
320							24.8

NaanPC 16/3.5 3.5 l/h, W.T 0.9-1.15 mm ID 13.9mm
Dripper spacing (cm)

Lateral length(m)	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	5.5
160					24.5	17.4	8.1
180						24.6	11.4
200							15.5
220							20.4

NaanPC

TECHNICAL DATA

Product name	Wall thickness (mm)	ID (mm)	OD (mm)	Nominal flow rate (l/h)	Pressure regulating range (bar)	Max pressure (bar)	Connector Type	
NaanPC 16/1.1	0.90	13.9	15.7	1.2	0.5-3.0	3.0	Barb 16	
	1.00		15.9	1.2	0.5-3.5	3.5		
	1.15		16.2	1.1	0.5-3.5	3.5		
NaanPC 16/1.6	0.90	13.9	15.7	1.6	0.5-3.0	3.0		
	1.00		15.9	1.6	0.5-3.5	3.5		
	1.15		16.2	1.6	0.5-3.5	3.5		
NaanPC 16/2.2	0.90	13.9	15.7	2.3	0.5-3.0	3.0		
	1.00		15.9	2.3	0.5-3.5	3.5		
	1.15		16.2	2.2	0.5-3.5	3.5		
NaanPC 16/3.5	0.90	13.9	15.7	3.5	0.7-3.0	3.0		
	1.00		15.9	3.5	0.7-3.5	3.5		
	1.15		16.2	3.5	0.7-3.5	3.5		
NaanPC light 16/1.25	0.63	13.9	15.2	1.25	0.5-2.0	2.0		Barb 16
NaanPC light 16/1.7	0.63	13.9	15.2	1.7	0.5-2.0	2.0		
NaanPC light 16/2.5	0.63	13.9	15.2	2.5	0.5-2.0	2.0		
NaanPC light 16/3.5	0.63	13.9	15.2	3.5	0.7-2.0	2.0		
NaanPC 20/0.95	1.00	17.7	19.7	0.95	0.7-3.0	3.0	Barb 20	
	1.20		20.1	0.95	0.7-3.5	3.5		
NaanPC 20/1.6	1.00	17.7	19.7	1.6	0.5-3.0	3.0		
	1.20		20.1	1.6	0.5-3.5	3.5		
NaanPC 20/2.2	1.00	17.7	19.7	2.3	0.5-3.0	3.0		
	1.20		20.1	2.2	0.5-3.5	3.5		
NaanPC 20/3.8	1.00	17.7	19.7	4.0	0.5-3.0	3.0		
	1.20		20.1	3.8	0.5-3.5	3.5		



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	0.65	500	135	280	320
16	0.90	400	165	350	395
16	1.00	400	165	350	395
16	1.15	400	165	350	395
20	1.00	300	120	270	300
20	1.20	300	130	290	320

