

## PC dripline

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

### Applications:

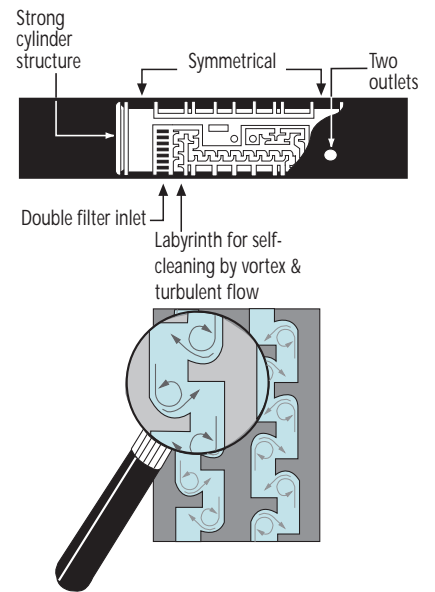
The optimum solution for irrigation in topographically difficult terrain, where longer laterals are required.  
Reliable performance with all qualities of water.

### Structure and features

- Continuous 16 mm and 20 mm polyethylene dripline with integrated self-regulating drippers
- Double water inlets and outlets per dripper
- New formulated silicone diaphragm ensures reliable and accurate performance at diverse water qualities, chemicals and fertilizers
- Individual double filter and flushing mechanism for maximal clog resistance and self-cleaning.
- Pressure regulating range: 0.5 - 4.0 bar (of the dripper)
- Recommended working pressure: 1.0 - 3.5 bar



NaanPC dripper structure



### Technical data table

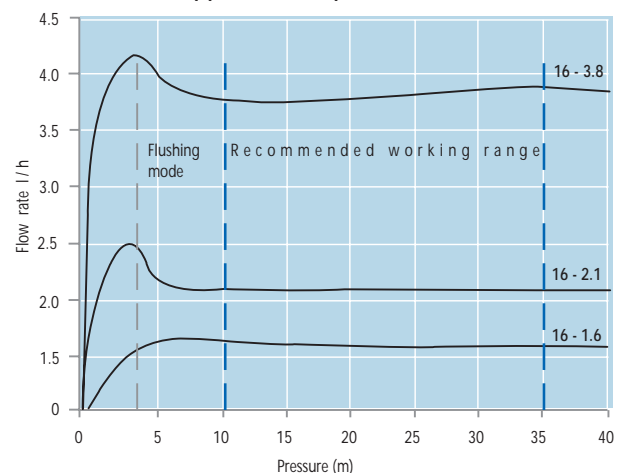
	Wall th. mm	OD mm	ID mm	Recommended working pressure bar	Dripper spacing* cm	Coil length m
NaanPC 16 Light	0.65	15.2	13.9	0.5 - 2.0	15 - 100	500
NaanPC 16	0.9	15.7	13.9	1.0 - 3.0	15 - 100	400
NaanPC 16	1.0	15.9	13.9	1.0 - 3.5	15 - 100	400
NaanPC 16	1.15	16.2	13.9	1.0 - 3.5	15 - 100	400
NaanPC 20	1.0	19.7	17.7	1.0 - 3.0	20 - 100	300
NaanPC 20	1.2	20.4	18.0	1.0 - 3.5	20 - 100	300

\* Other spacing upon request

### Dripper flow rate range

Dripline model	wall th. mm	Dripper color - Flow rate (l/h)			
		Gray	Black	Blue	Orange
16 mm	0.65		1.75	2.3	4.0
	0.9 - 1.15		1.6	2.1	3.8
20 mm	1.0	0.95	1.6	2.3	4.0
	1.2	0.95	1.6	2.2	3.8

NaanPC dripper flow vs. pressure



# NaanPC™ -16mm

## PC dripline



NaanPC 16 dripline -1.6 (black)

Lateral length m	Dripper spacing (cm)							
	15	20	30	40	50	60	75	100
20	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0
40	4.5	2.0	0.7	0.3	0.2	0.1	0.1	0.0
60	15.2	6.8	2.3	1.1	0.7	0.4	0.2	0.1
80		16.3	5.4	2.5	1.5	0.9	0.6	0.3
100			10.6	5.0	3.0	1.8	1.1	0.6
120			18.2	8.5	5.1	3.1	1.8	0.9
140				13.5	8.0	4.9	2.9	1.5
160					11.9	7.3	4.3	2.2
180					16.9	10.3	6.0	3.1
200						14.2	8.2	4.2
220							10.9	5.6
240							14.1	7.2
260							17.8	9.1
280								11.3
300								13.8



NaanPC 16 dripline - 2.1(blue)

Lateral length m	Dripper spacing (cm)						
	30	40	50	60	75	100	
20	0.1	0.1	0.0	0.0	0.0	0.0	
40	1.2	0.6	0.3	0.2	0.1	0.1	
60	4.0	1.9	1.1	0.7	0.4	0.2	
80	9.3	4.4	2.5	1.6	0.9	0.5	
100	18.2	8.5	4.8	3.1	1.8	1.0	
120		14.7	8.3	5.4	3.1	1.6	
140		23.3	13.1	8.4	4.9	2.6	
160			19.6	12.4	7.3	3.8	
180				17.8	10.2	5.3	
200					14.0	7.2	
220						18.6	9.5
240							12.3
260							15.5
280							19.3
300							



NaanPC 16 dripline - 3.8 (orange)

Lateral length m	Dripper spacing (cm)							
	30	40	50	60	75	100	125	150
20	0.5	0.2	0.1	0.1	0.1	0.0	0.0	0.0
40	3.9	1.8	1.0	0.7	0.4	0.2	0.1	0.1
60	12.9	6.0	3.4	2.2	1.3	0.7	0.4	0.3
80		14.3	8.1	5.2	3.0	1.5	0.9	0.7
100			15.7	10.0	5.9	3.0	1.8	1.2
120				17.0	9.9	5.0	3.1	2.1
140					15.7	7.9	4.8	3.3
160						11.7	7.1	4.8
180						16.5	9.9	6.6
200							13.5	9.2
220							17.9	12.0
240								15.3

### Head loss tables

Head loss (m) in relation to lateral length (m), dripper flow rate and spacing (cm)

Example of pressure calculation:

Dripline:	16 mm
Dripper flow:	2.1
Dripper spacing:	50 cm
Length:	120 m
Topography:	5.0 m uphill
Required lateral pressure:	
Head-loss as shown in table:	8.3 m
Topography	5.0 m
Minimum required pressure	10.0 m
Total pressure	23.3 m

# NaanPC light™ -16mm New

The new product range combines the advantages of a PC dripper with an attractive economical solution.

Applications: orchards and plantations, greenhouse and open field vegetable, where longer laterals and highly effective accurate PC drippers are required.

NaanPC 16 dripline - 1.75 (black)

Lateral length m	Dripper spacing (cm)							
	20	30	40	50	60	75	100	
20	0.3	0.1	0.1					
40	2.4	0.8	0.4	0.2	0.1	0.1		
60	8.1	2.8	1.3	0.7	0.5	0.3	0.2	
80		6.5	3.0	1.7	1.1	0.7	0.4	
100			12.7	5.9	3.4	2.2	1.3	0.7
120				10.2	5.8	3.8	2.2	1.2
140					9.2	5.9	3.4	1.8
160					13.6	8.7	5.1	2.7
180						12.4	7.2	3.7
200							9.8	5.1
220							13.0	6.7
240								8.6
260								10.9
280								13.6

NaanPC 16 dripline - 2.3(blue)

Lateral length m	Dripper spacing (cm)							
	20	30	40	50	60	75	100	
20	0.5	0.2	0.1					
40	4.2	1.4	0.7	0.4	0.3	0.2	0.1	
60	14.2	4.8	2.3	1.3	0.8	0.5	0.3	
80		11.2	5.2	3.0	1.9	1.1	0.6	
100			10.2	5.8	3.7	2.2	1.1	
120				10.0	6.4	3.7	2.0	
140					10.1	5.9	3.1	
160						8.7	4.5	
180							12.2	6.3
200								8.6
220								11.4
240								14.7

NaanPC 16 dripline - 4.0 (orange)

Lateral length m	Dripper spacing (cm)						
	20	30	40	50	60	75	100
20	1.6	0.5	0.3	0.1	0.1	0.1	
40	12.8	4.3	2.1	1.1	0.7	0.4	0.2
60		14.5	6.8	3.8	2.4	1.4	0.7
80			15.8	8.9	5.8	3.3	1.7
100					11.0	6.5	3.3
120						10.9	5.6
140							8.7
160							12.9

# NaanPC™ -20mm

## PC dripline



### Head loss table

Head loss (m) in relation to lateral length (m) dripper flow rate and spacing (cm)



#### NaanPC 20 dripline - 1.6 (black)

Lateral length m	Dripper spacing (cm)					
	30	40	50	60	75	100
20	0.0	0.0	0.0	0.0	0.0	0.0
40	0.2	0.1	0.1	0.0	0.0	0.0
60	0.6	0.3	0.2	0.1	0.1	0.0
80	1.4	0.7	0.4	0.3	0.2	0.1
100	2.7	1.3	0.8	0.5	0.3	0.2
120	4.7	2.3	1.3	0.9	0.5	0.3
140	7.3	3.5	2.1	1.4	0.8	0.4
160	10.7	5.2	3.0	2.0	1.2	0.6
180	15.0	7.3	4.3	2.8	1.7	0.9
200	20.3	9.9	5.8	3.8	2.2	1.2
220		13.0	7.6	4.9	3.0	1.6
240		16.8	9.8	6.4	3.8	2.0
260			12.3	8.0	4.8	2.5
280			15.2	9.9	5.9	3.1
300				12.1	7.2	3.8
320				14.6	8.7	4.6
340				17.3	10.3	5.4
360					12.1	6.4
380					14.2	7.5
400					16.5	8.7
420					18.9	9.9
440						11.4
460						12.9
480						14.6
500						16.4

#### NaanPC 20 dripline - 2.2 (blue)

Lateral length m	Dripper spacing (cm)					
	30	40	50	60	75	100
20	0.0	0.0	0.0	0.0	0.0	0.0
40	0.4	0.2	0.1	0.1	0.0	0.0
60	1.2	0.6	0.3	0.2	0.1	0.1
80	2.6	1.3	0.7	0.5	0.3	0.2
100	5.0	2.4	1.4	0.9	0.6	0.3
120	8.5	4.1	2.4	1.6	0.9	0.5
140	13.3	6.5	3.8	2.5	1.5	0.8
160	19.6	9.5	5.5	3.6	2.2	1.1
180		13.3	7.8	5.1	3.0	1.6
200		18.1	10.5	6.9	4.1	2.2
220			13.8	9.0	5.4	2.8
240			17.8	11.6	6.9	3.6
260				14.6	8.7	4.6
280				18.0	10.8	5.7
300				22.1	13.1	6.9
320					15.8	8.3
340					18.8	9.9
360						11.6
380						13.6
400						15.7
420						18.1

#### NaanPC 20 dripline - 3.8 (orange)

Lateral length m	Dripper spacing (cm)					
	30	40	50	60	75	100
20	0.1	0.1	0.0	0.0	0.0	0.0
40	1.0	0.5	0.3	0.2	0.1	0.1
60	3.3	1.6	0.9	0.6	0.4	0.2
80	7.4	3.6	2.1	1.4	0.8	0.4
100	14.2	6.9	4.0	2.6	1.6	0.8
120	24.1	11.6	6.8	4.5	2.6	1.4
140		18.2	10.6	6.9	4.1	2.2
160			15.5	10.1	6.0	3.2
180				14.2	8.4	4.5
200				19.2	11.4	6.0
220					15.1	7.9
240					19.2	10.2
260						12.8
280						15.8
300						19.2

