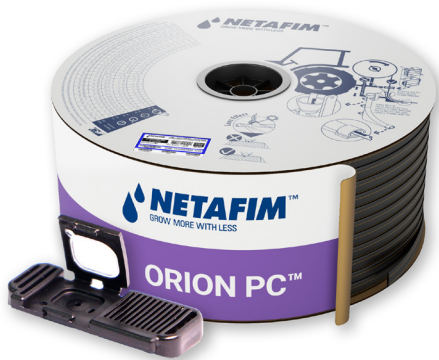# Orion PC™

The Orion PC™ dripper represents a groundbreaking innovation in agriculture, making the magic of pressure-compensated (PC) irrigation accessible to all.

→ 12060 - 12080 - 12100 - 12125 - 16060 - 16080
16100 - 16125 - 22060 - 22080 - 22100 - 22125

Pressure-compensated

Self-flushing mechanism

Wide filtration area

/ Benefits & Features

→ **Pressure-compensated**
Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals.

→ **Continuously self-flushing**
Flushes debris throughout operation, while ensuring constant dripper operation even with challenging water quality.

→ **Wide filtration area**
Ensures optimal performance even under harsh water conditions, preventing the entrance of sediment into the labyrinths.

→ **Wide water passages**
TurbuNext™ labyrinth ensures wide water passages, large deep and wide cross-section that improves clogging resistance.

→ **ReGen™ (optional*)**
ReGen™, the highest quality recycled dripline ever made, successfully addressing the supply chain sustainability needs of today's growers.

/ Specifications

- Pressure-compensated range: 0.2 - 1.8 bar.
- Recommended filtration: 130 micron / 120 mesh. Filtration method selected based on the kind and concentration of dirt particles contained in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone should be installed before the main filter. Where sand/silt/clay solids exceed 100 ppm, pre treatment it should be applied following Netafim expert instructions.
- TurbuNext™ labyrinth with superior performance.
- Weldable into thin wall driplines (0.15, 0.20, 0.25, 0.31 mm).
- Single part injected dripper, very low CV with injected membrane.
- High UV resistant. Resistant to standard nutrients used in agriculture.
- Compliance ISO 9261 international standards.

**ReGen™ is currently available in few markets, and we are in the process of making it available in all the markets.
Please consult your local Netafim™ representative for availability.*

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→ Drippers technical data

Flow rate* (l/h)	Working pressure range (bar)	Water passages dimensions width-depth-length (mm)	Filtration area (mm²)	Constant K	Exponent* X	Recommended filtration (micron)/(mesh)
1.05	0.2 - 1.8	0.65 x 0.68 x 9	29	1.05	0	130/120

*Within working pressure range

→ Driplines technical data

Model	Inside diameter (mm)	Wall thickness (mm)	Outside diameter (mm)	Max. working pressure (bar)	Max. flushing pressure (bar)	KD
12060	11.80	0.15	12.10	1.8*	2.5	0.32
12080	11.80	0.20	12.20	1.8*	2.5	0.32
12100	11.80	0.25	12.30	1.8*	2.5	0.32
12125	11.80	0.31	12.42	1.8*	2.5	0.32
16060	16.20	0.15	16.50	1.0	1.2	0.08
16080	16.20	0.20	16.60	1.2	1.4	0.08
16100	16.20	0.25	16.70	1.4	1.6	0.08
16125	16.20	0.31	16.82	1.8	2.1	0.08
22060	22.20	0.15	22.50	0.8	0.9	0.05
22080	22.20	0.20	22.60	1.0	1.2	0.05
22100	22.20	0.25	22.70	1.1	1.3	0.05
22125	22.20	0.31	22.82	1.2	1.4	0.05

* The maximum working pressure is defined by the dripper

→ Driplines package data (on carton coil)

Model	Wall thickness (mm)	Distance between drippers (m)	Coil length (m)	Average* coil weight (kg)	Coils per pallet (units)	Coils in a 40 feet container (units)	Total in a 40 feet container (m)
12060	0.15	0.15 to 0.25	2000	16.2	16	640	1280000
		0.30 to 1.00	2200	16.5			1408000
12080	0.20	0.15 to 0.25	1600	16.1	16	640	1024000
		0.30 to 1.00	1800	16.8			1152000
12100	0.25	0.15 to 0.25	1400	16.3	16	640	896000
		0.30 to 1.00	1500	16.4			960000
12125	0.31	0.15 to 0.25	1100	15.5	16	640	704000
		0.30 to 1.00	1200	16.0			768000
16060	0.15	0.15 to 0.25	1800	18.4	16	640	1152000
		0.30 to 1.00	2000	18.9			1280000
16080	0.20	0.15 to 0.25	1600	19.9	16	640	1024000
		0.30 to 1.00	1800	21.0			1152000
16100	0.25	0.15 to 0.25	1400	21.0	16	640	896000
		0.30 to 1.00	1600	22.8			1024000
16125	0.31	0.15 to 0.25	1300	23.5	16	640	832000
		0.30 to 1.00	1400	24.2			896000
22060	0.15	0.15 to 0.25	1500	19.7	16	640	960000
		0.30 to 1.00	1600	19.9			1024000
22080	0.20	0.15 to 0.25	1300	21.7	16	640	832000
		0.30 to 1.00	1400	22.3			896000
22100	0.25	0.15 to 0.25	1000	20.4	16	640	640000
		0.30 to 1.00	1100	21.6			704000
22125	0.31	0.15 to 0.25	900	22.0	16	640	576000
		0.30 to 1.00	1000	23.7			640000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

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Want to know more?
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