

DIAMANTE DRIPPER

PC and PCND self-compensating punched dripper



GESTIRIEGO



PUNCHED DRIPPERS

DIAMANTE

DIAMANTE is a self-compensating and self-cleaning dripper available in self-compensating (PC) and non-drain self-compensating (PCND) modes.

The self-cleaning process occurs at the beginning of each use by allowing water to flow freely into the microchannel area before self-compensating.

An emitter with high clogging resistance thanks to the design of its labyrinth, as well as the size ratio between the star-shaped inlet pre-filter and the internal passageways of the labyrinth.

Made of high-quality technical plastics and a silicone membrane that provides high resistance to chemicals commonly used in agriculture.

Available in 2.2, 3'2, 4.0, and 8.2 l/h flow rates with an excellent coefficient of variation (CV), self-compensating range and stable flow rates at pressures between 0'5-3'5 bar.

Compact design with a Ø5 mm emission cannula compatible with microtube connection fittings for hydroponics applications.

APPLICATIONS

- Especially suitable for crops with great branch lengths and abrupt orography. Thanks to its self-compensating mechanism, it ensures a stable flow rate emission along the crop line.

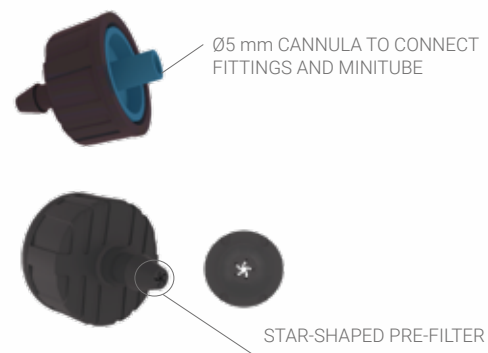
- Suitable for hydroponic crops: the minitube and the spike fittings are easy to connect to the emission cannula.

- The PCND variety is suitable for short and frequent irrigations as they keep the piping loaded to ensure instantaneous emission stops and starts.

* Opening pressure: 0'30 bar.

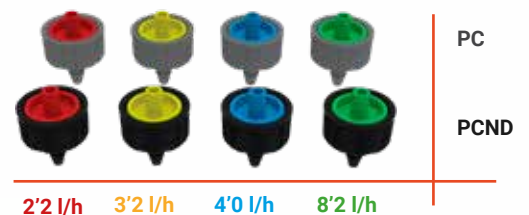
* Closing pressure: 0'17 bar

PARTS OF THE DRIPPER



TYPES

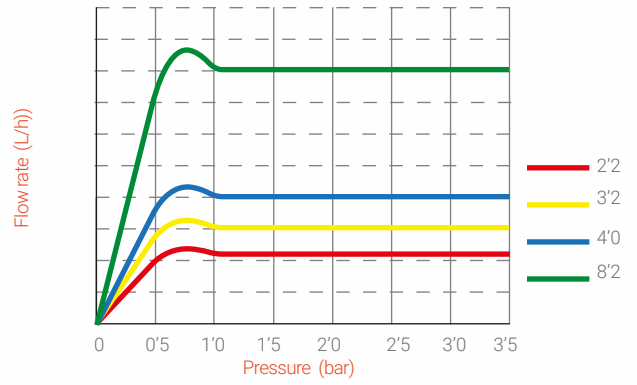
MODELS ACCORDING TO FLOW RATE AND FUNCTION					
FUNCTION	FLOW RATE	CAP COLOUR	BAG UNITS	BAGS/BOX	CODE
	l/h				
PC	2'2	●	250	20	459502
	3'2	●	250	20	459503
	4'0	●	250	20	459504
	8'2	●	250	20	459505
PCND	2'2	●	250	20	500365
	3'2	●	250	20	501534
	4'0	●	250	20	462164
	8'2	●	250	20	462165



TECHNICAL DATA

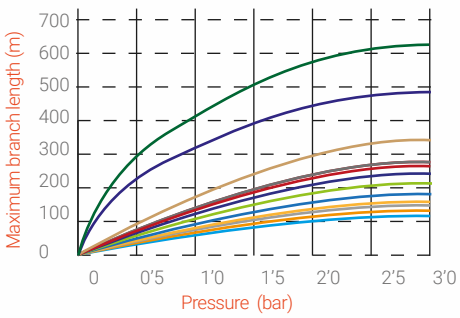
CHARACTERISTIC EQUATION			
FLOW RATE	HOMOGENEITY	DISCHARGE EXPONENT	CHARACTERISTIC EQUATION
(l/h)	(%)		
2'20 ●	2'7	0'0	$q = 2'15 \cdot p^{0'03}$
3'20 ●	3'5	0'0	$q = 3'07 \cdot p^{0'03}$
4'00 ●	2'0	0'0	$q = 3'91 \cdot p^{0'03}$
8'20 ●	2'3	0'0	$q = 8'11 \cdot p^{0'03}$

		PRESSURE FLOW RATE						
NOMINAL FLOW RATE	PRESSURE	PRESSURE						
		0'0	0'5	1'0	1'5	2'0	2'5	3'0
		bar						
(l/h)	FLOW RATE	FLOW RATE						
		(l/h)						
2'20	●	0'00	2'10	2'15	2'17	2'19	2'20	2'21
3'20	●	0'00	3'01	3'18	3'25	3'21	3'27	3'24
4'00	●	0'00	3'82	3'91	3'96	4'00	4'03	4'06
8'20	●	0'00	8'01	8'11	8'17	8'21	8'24	8'24

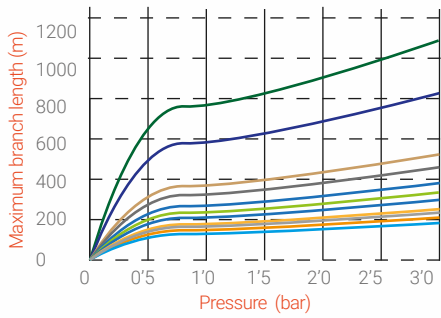


MAXIMUM LENGTHS

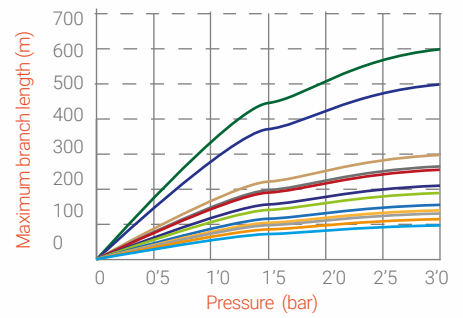
Ø16 2'2 L



Ø20 2'2 L

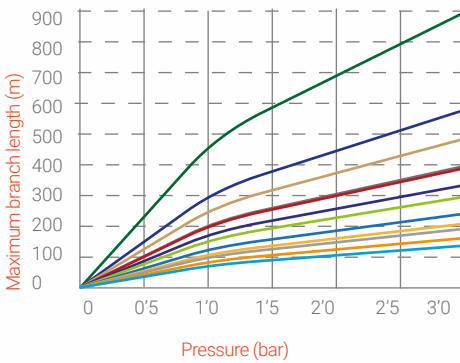


Ø16 3'2 L

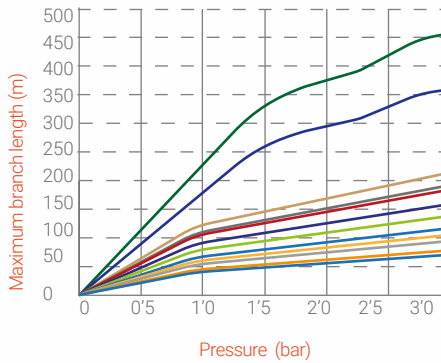


20 — 25 — 30 — 33 — 40 — 50 — 60 — 75 — 80 — 100 — 150 — 200

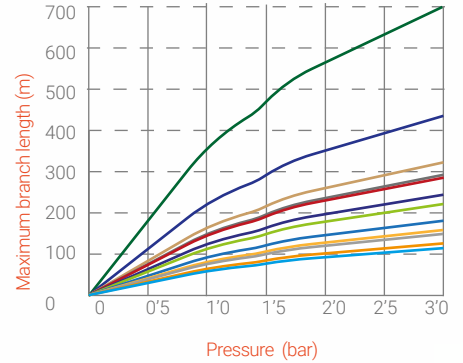
Ø20 3'2 L



Ø16 4'0 L

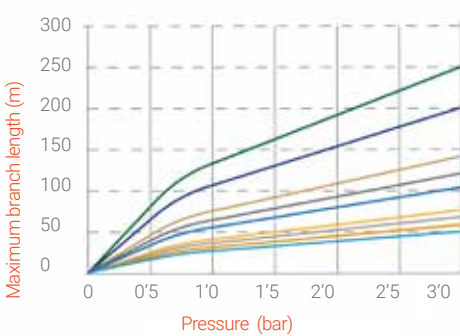


Ø20 4'0 L

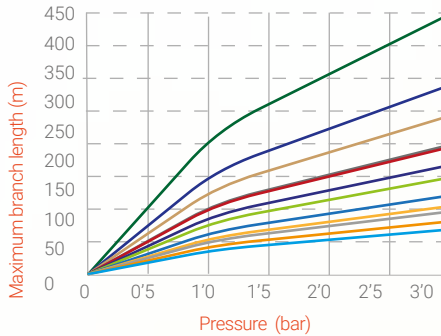


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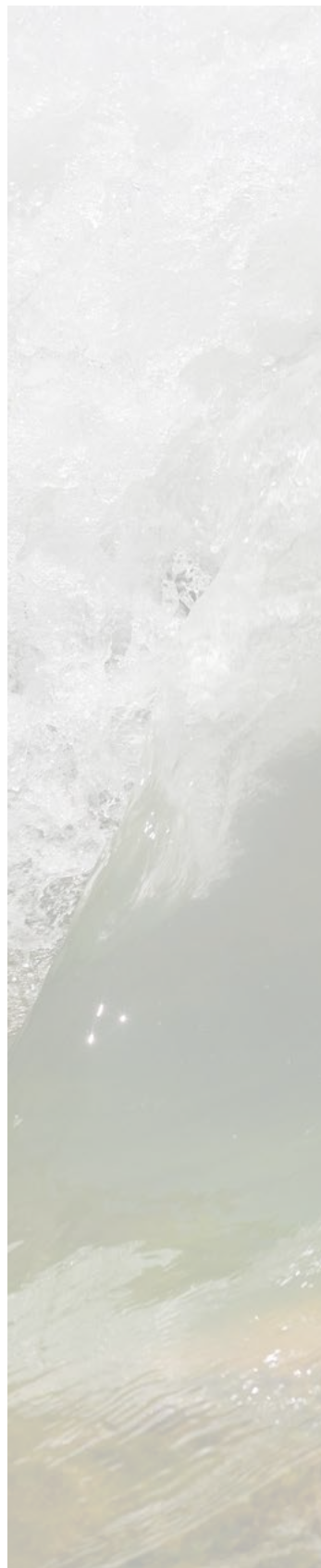
Ø16 8'2 L



Ø20 8'2 L



20 — 25 — 30 — 33 — 40 — 50 — 60 — 75 — 80 — 100 — 150 — 200



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Creando los caminos
del agua

