

# Caudal® Dripline PC700 AS Rootguard®

V2426

Anti-suction self-compensating drip irrigation

∅ 16 | 20 mm

💧 1,1 | 1,6 | 2,2 | 3,8 l/h

➤ ∅ 16: 1,00 | 1,10 mm  
∅ 20: 1,10 | 1,20 mm

Water.  
People.  
Future.

Caudal




## DRIPLINE TECHNICAL DATA

CAUDAL® Dripline PC700 AS Rootguard® | Ø 16 y Ø 20

Model			Maximum Working Pressure	KD
	mm	mm	bar	
NIAR70016100	13,8	1,0	3,5	0,57
NIAR70016110	13,8	1,1	4,0	0,57
NIAR70020110	17,4	1,1	3,5	0,26
NIAR70020120	17,4	1,2	4,0	0,26

## DRIPPER TECHNICAL DATA

The Caudal® PC700 AS Rootguard® dripline complies with ISO 9261.

	Working Pressure Range	Flow Path Dimensions (Width x Depth x Length)	Filtering Surface	k*	x*	Recommended filtration
l/h	bar	mm	mm			(micron/mesh)
1,1	0,7 - 4,0	0,82 x 0,76 x 139	37,37	1,1	0,0	150/100
1,6	0,7 - 4,0	1,06 x 0,85 x 132	37,37	1,6	0,0	150/100
2,2	0,7 - 4,0	1,08 x 0,88 x 93,5	37,37	2,2	0,0	120/130
3,8	0,7 - 4,0	1,30 x 0,90 x 78,7	37,37	3,8	0,0	120/130

\*Within the working pressure range of the dripper.

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# MAXIMUM DRIPLINE LENGHT

Minimum pressure in the last dripper: 0,7 bar

Slope percentage: 0%

## CAUDAL® Dripline PC700 AS Rootguard® | Ø16 y Ø20

Model		Inlet Pressure	Maximum length (m)							
			Dripper spacing (cm)							
			20	30	33	40	50	60	75	100
Ø16  NIAR70016100 NIAR70016110	l/h	bar								
	1,1	2,0	109	154	166	194	231	265	313	386
		3,0	135	190	205	240	286	329	389	480
		4,0	153	216	234	274	326	376	444	549
	1,6	2,0	85	120	130	152	181	208	246	304
		3,0	105	149	161	188	224	258	305	377
		4,0	120	169	183	214	256	295	349	431
	2,2	2,0	69	98	106	123	147	169	200	247
		3,0	85	121	131	153	182	210	249	307
		4,0	97	137	149	174	208	240	284	351
	3,8	2,0	48	68	74	86	103	119	141	174
		3,0	59	84	91	107	128	147	174	216
4,0		68	96	104	122	146	168	199	247	

Model		Inlet Pressure	Maximum length (m)							
			Dripper spacing (cm)							
			20	30	33	40	50	60	75	100
Ø20  NIAR70020110 NIAR70020120	l/h	bar								
	1,1	2,0	179	248	267	309	364	416	487	595
		3,0	222	307	330	382	452	516	606	741
		4,0	252	350	377	437	516	590	692	847
	1,6	2,0	140	194	209	242	286	327	383	468
		3,0	173	240	259	300	355	405	476	582
		4,0	198	274	295	342	405	463	544	666
	2,2	2,0	114	158	170	197	233	266	312	382
		3,0	141	195	210	244	289	330	388	475
		4,0	160	223	240	278	329	377	443	543
	3,8	2,0	80	110	119	138	163	187	219	269
		3,0	98	137	147	171	202	232	272	334
4,0		112	156	168	195	231	265	311	382	

# LOGISTICAL DATA

Ø	<math>\llcorner</math>		⊙	📦 <sup>1</sup>	⊙	⊙	COIL HEIGHT	🚚	🚚	🚚 hcpw	🚚	🚚
	mm	mil										
16	1,0	40	400	18,00	0,75	0,40	0,30	189	378	486	297	552
	1,1	44	400	20,00	0,75	0,40	0,30					
20	1,1	44	300	18,30	0,85	0,50	0,30	112	224	288	180	480
	1,2	48	300	20,10	0,85	0,50	0,30					

Approximate dimensions. Theoretical calculation.

\*Theoretical coil weight excluding emitters.

## SOME APPLICATIONS:



Pistachio



Olive



Vineyard



Gardens



Almond



Aromatics



## PRODUCT HANDLING

- Keep away from direct sunlight.
- Store in a cool place, avoiding high temperatures.
- It's recommended to install the product within 6 to 8 weeks after reception.
- Handle with gloves: The product should be handled at all times with protected hands, skin irritation may occur during prolonged contact with the chemical compound.
- Ensure proper ventilation in the area where the product is stored.

# ROOTGUARD PROTECTION

The Rootguard® configuration provides additional protection against root intrusion within the dripper in subsurface drip irrigation (SDI).

Prolonged and controlled release of the minimum effective dose of active ingredient (Pendimetalina\*\*).

Although the additive concentrations are very low, this product is not recommended for organic farming or similar uses.

\*ROOTGUARD® is a registered trademark of All Innovations BV.

\*\*Active ingredient approved by EU legislation.

## WARRANTY

The warranty for our products is limited to the replacement of materials that are found to be defective due to manufacturing. Damage resulting from improper handling, installation, or treatment voids the warranty. Likewise, the warranty will be void if the material is used for a purpose other than that for which it was designed or manufactured. This warranty does not cover damages or defects caused by external factors, including but not limited to animal interference, weather conditions, inadequate installation or filtration, clogged drippers, excessive pressure, and the use of harsh chemicals. Our products come with a three-year warranty that starts from the delivery date. To ensure validity, claims must be made within this three-year period.

The Rootguard® products are accompanied by an exceptional warranty that specifically covers the replacement of materials in the event of functional defects resulting from root insertion inside the dripper. This warranty remains valid for a period of ten years, commencing from the date of material receipt, and any claims must be submitted within this timeframe. It's important to highlight that this warranty is exclusively applicable Rootguard® to products. In conclusion, the Rootguard® warranty provision is a testament to the quality and durability of the product.

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The logo for Caudal, featuring the word "Caudal" in a bold, teal, sans-serif font.

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