Caudal® Dripline PC700 AS
CU-PROTECT

V2426

Anti-suction self-compensating drip irrigation

Ø 16 | 20 mm

1,1 | 1,6 | 2,2 | 3,8 l/h

Ø 16: 0,9 | 1,0 | 1,1 | 1,2 mm
Ø 20: 1,0 | 1,1 | 1,2 mm

Water.
People.
Future.

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PC AS ANTI CRACKING

DRIPLINE TECHNICAL DATA

CAUDAL® DRIPLINE PC700 AS Ø16 y Ø20

Model	ø		Max. Working Press.	KD
	mm	mm	bar	
NJA070516090	13,8	0,9	3,0	0,57
NJA070516100	13,8	1,0	3,5	0,57
NJA070516110	13,8	1,1	4,0	0,57
NJA070516120	13,8	1,2	4,0	0,57
NJA070516120	17,4	1,0	3,0	0,26
NJA070520110	17,4	1,1	3,0	0,26
NJA070520120	17,4	1,2	3,5	0,26

DRIPPER TECHNICAL DATA

The Caudal® dripline PC700 AS CU-PROTECT complies with ISO 9261.

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

*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%

TUBERÍA CAUDAL® PC700 AS Ø 16 y Ø 20

Model		Inlet Pressure	Maximum length (m)							
			Dripper spacing (cm)							
	l/h	bar	20	30	33	40	50	60	75	100
Ø16 NJA070516090 NJA070516100 NJA070516110 NJA070516120	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)							
	l/h	bar	20	30	33	40	50	60	75	100
Ø20 NJA070520100 NJA070520110 NJA070520120	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				[1]	Ø	Ø	Coil Height	1201	1401	1401 hcpw		
mm	mm	mil	m	kg	m	m	m					
16	0,9	35	400	16,00	0,75	0,40	0,30	189	378	486	297	552
	1,0	40	400	18,00	0,75	0,40	0,30					
	1,1	44	400	20,00	0,85	0,40	0,30					
	1,2	48	400	21,60	0,85	0,40	0,30					
20	1,0	40	300	16,50	0,85	0,50	0,30	112	224	288	180	480
	1,1	44	300	18,30	0,85	0,50	0,30					
	1,2	48	300	20,10	0,85	0,50	0,30					

Approximate dimensions. Theoretical calculation.
*Theoretical coil weight excluding emitters.

APPLICATIONS:

- Wine grape
- Olive
- Avocado
- Almond
- Gardening and Landscaping

CU-PROTECT PROTECTION

The CuProtect configuration, with a copper oxide compound incorporated into the polymer matrix of the dripper, is designed for subsurface drip irrigation (SDI) systems and applications where emitter protection is critical. The compound acts as a functional barrier against root intrusion and helps limit biofilm development inside the dripper, reducing the likelihood of biological clogging of the emitter.

OTHER APPLICATIONS:

- Subsurface drip irrigation (SDI).
- Soils with a risk of dripper clogging.
- Crops with secondary root development.
- Level or sloped fields.
- Installations with long irrigation laterals.
- Compatible with organic farming and similar uses.

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TECHNOLOGIES

Anti-Suction (AS) technology incorporates a mechanism that prevents the suction of fine soil particles during lateral discharge, avoiding particle accumulation in the dripper labyrinth. In subsurface drip irrigation, where the emitter is in direct contact with the soil, this protection significantly reduces the risk of suction clogging.

The result is greater flow stability and maintained uniformity throughout the season. It also reduces the need for intensive flushing and purging in subsurface drip irrigation systems.

PRODUCT HANDLING

- Keep away from direct sunlight.
- Store in a cool place, avoiding high temperatures.
- Do not store with corrosive products or products that emit acidic vapors.
- Perform periodic maintenance of irrigation laterals.
- Install the irrigation pipe with emitters facing upward.

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.

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