



PRODRIP PC

Self-cleaning self-compensating flat dripper with PC, PCND, and PCAS options



GESTIRIEGO



MICROIRRIGATION PIPING





PRODRIP PC

The new self-compensating flat emitter integrated into multi-seasonal irrigation piping, **PRODRIP PC**, was developed by **GESTIRIEGO** and is manufactured with several wall thicknesses, drippers of different flow rates, and separations between emitters ranging from 20 to 250 cm. In this way, farmers can adapt to different farming operations.

Recommended for irrigation in topographically complex terrains, where long sides are required. 0.90 and 1.00 mm thin/medium wall line equipped with a flat self-compensating dripper and a large inlet filter, ensuring good protection against clogging. High discharge uniformity between emitters.

Compact and efficient. Flat heat-welded dripper with Ultra-Slim emitter, with large filtration area and maximum clogging resistance.

CHARACTERISTICS / BENEFITS

- Self-compensating emitter: Pressure compensation (PC) for maximum accuracy in variable topography and long sides.
- Cascade labyrinth that creates strong turbulence to avoid particle sedimentation areas, resulting in a highly clog-resistant emitter.
- Hydrodynamic dripper design that ensures that sediments and small dirt particles are permanently flushed in the area between the membrane and the microchannel.
- Excellent coefficient of variation (CV) for maximum uniformity.
- 0.0 discharge exponent (x).
- High-quality silicone diaphragm.
- Available in regular rolls or in carton coils.
- Durable under harsh field conditions and resistant to agrochemicals.



PRODRIP PC				
DIAMETER	THICKNESS	FLOW RATE	PRESSURE	SEPARATION BETWEEN EMITTERS
mm		l/h	bar	m
16	0'9 1'0	1'1	2'0	0'20 0'25 0'30 0'33 0'40 0'50 0'60 0'75 1'00 1'25 1'50 2'00
		1'5		
		2'4		
		3'8		



SPECIFICATIONS

- The PC ND dripper version (self-compensating and non-drain system that reduces side filling time and facilitates pulse irrigation) and the PD AS dripper version (pressure compensation and anti-suction design that avoids suction in the drainage stage. Suitable to avoid clogging generated by small dirt particles (especially suitable for underground irrigation systems).
- The opening pressure of the dripper is 0'3 - 0'5 bar.
- The closing pressure of the dripper is 0'2 - 0'3 bar.
- Wall thickness: 0'9 and 1'0 mm.
- Flow rates: 1'1, 1'5, 2'4, 3'8 L/h.

APPLICATIONS

- Suitable for intensive crop farming irrigation
- Suitable for farming operations such as horticultural and tree crops
- Suitable for greenhouse irrigation, especially with the ND version
 - Opening pressure: 0'3-0'5 bar
 - Closing pressure: 0'2-0'3 bar
- Suitable for green areas and gardening

TECHNICAL DATA

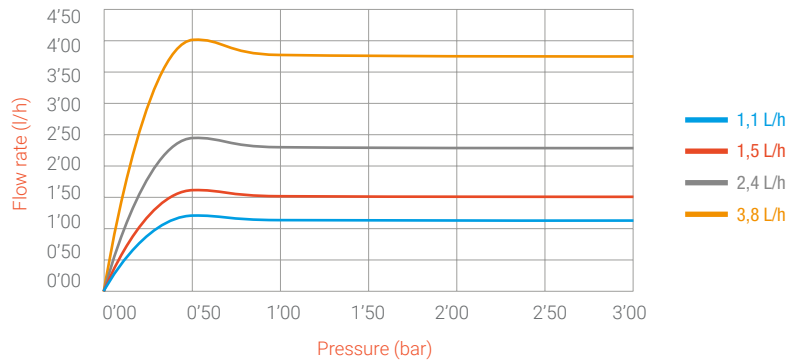
WALL THICKNESSES				
NOMINAL DIAMETER	INTERNAL DIAMETER	WALL THICKNESS	NOMINAL PRESSURE	MAXIMUM WORKING PRESSURE
mm		l/h	bar	m
16	13'8	0'90	2'00	3'00
	13'8	1'00	2'00	3'50

PRODRIP PC			
NOMINAL DIAMETER	FLOW RATE	HOMOGENEITY	DISCHARGE EXPONENT*
mm	l/h	%	
16	1'1	3'6	0'00
	1'5	3'6	0'00
	2'4	3'6	0'00
	3'8	3'7	0'00

FLOW RATE-PRESSURE CHART								
DIAMETER	FLOW RATE	PRESSURE						
		0'00	0'5	1'0	1'5	2'0	2'5	3'0
mm	mm	mm						
		FLOW RATE						
		l/h						
16	1'1	0'00	1'10	1'08	1'12	1'16	1'09	1'07
	1'5	0'00	1'52	1'49	1'49	1'51	1,50	1'48
	2'4	0'00	2'28	2'22	2'29	2'36	2'39	2'35
	3'8	0'00	3'80	3'67	3'69	3'74	3'89	3'90



CHARACTERISTIC EQUATION		
DIAMETER	FLOW RATE	$q = k \cdot p^x$
mm	l/h	q (l/h), p (bar)
16	1'1	$q = 1'08 \cdot p^{0'03}$
	1'5	$q = 1'51 \cdot p^{0'02}$
	2'4	$q = 2'39 \cdot p^{0'03}$
	3'8	$q = 3'75 \cdot p^{0'01}$



FLOW RATE-PRESSURE CHART														
DIAM.	FLOW RATE	PRESSURE	PRESSURE											
			0'20	0'25	0'30	0'33	0'40	0'50	0'60	0'75	1'00	1'25	1'50	2'00
	l/h	bar	m											
16	1'1	0'50	33	39	44	50	56	65	75	88	109	125	143	179
		1'00	78	94	108	118	136	161	184	217	267	312	354	447
		1'50	105	126	146	157	183	217	248	292	360	420	477	604
		2'00	123	149	172	186	217	256	293	346	425	498	565	715
		2'50	139	166	193	205	242	286	328	386	476	558	632	800
		3'00	150	180	210	226	263	312	357	421	518	606	688	872
	1'5	0'50	27	33	37	42	46	55	62	73	90	105	120	149
		1'00	65	78	90	98	113	134	153	181	222	260	295	372
		1'50	87	105	121	131	152	180	207	243	300	350	389	503
		2'00	103	124	144	155	180	213	244	288	354	415	470	596
		2'50	115	139	161	171	202	239	274	322	397	465	527	667
		3'00	125	150	175	188	219	260	298	351	432	505	573	727
	2'4	0'50	43	50	56	64	72	88	100	118	143	168	189	236
		1'00	54	65	74	81	93	113	128	151	184	216	244	305
		1'50	66	80	91	99	114	137	156	184	226	265	300	373
		2'00	78	94	109	116	136	161	184	217	268	313	355	442
		2'50	87	105	121	131	151	180	207	243	300	350	399	498
		3'00	94	113	132	142	165	196	225	265	326	382	434	541
	3'8	0'50	33	38	43	46	53	63	72	86	102	118	134	166
		1'00	41	48	54	58	68	81	92	110	132	154	175	217
1'50		48	57	66	71	82	98	113	133	162	190	215	269	
2'00		55	67	78	83	97	115	133	156	192	226	256	320	
2'50		62	75	86	93	109	130	148	175	215	252	287	359	
3'00		68	81	94	102	118	141	161	190	234	275	311	389	



ACCESORIOS RECOMENDADOS



BROWN SAFETY TEE



BROWN SAFETY SOCKET



BROWN SAFETY SOCKET WITH GROMMET



BROWN SAFETY COUPLING

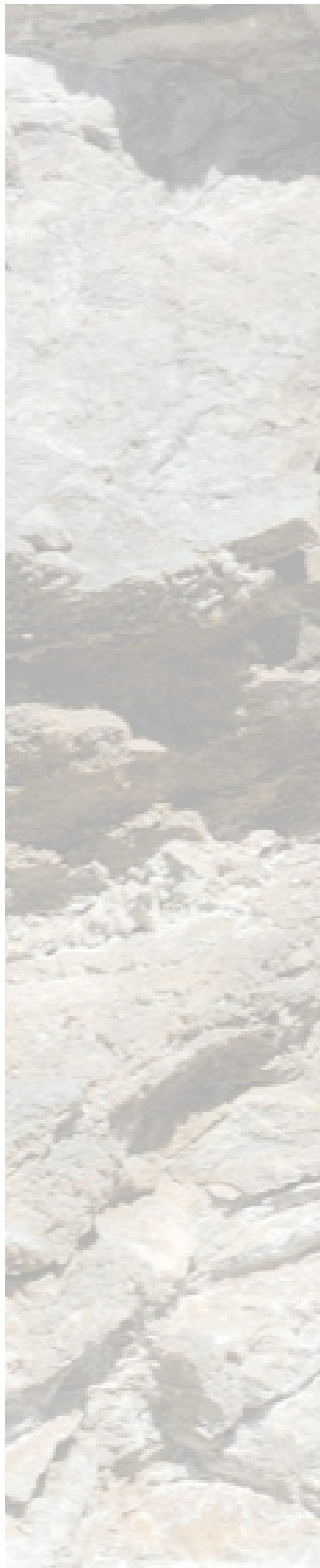


BROWN SAFETY ELBOW



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Creando los caminos
del agua

