



PRODRIP

Symmetrical flat turbulent dripper with large labyrinth



GESTIRIEGO



MICROIRRIGATION PIPING





PRODRIP

The **PRODRIP** turbulent dripper irrigation piping system by **GESTIRIEGO** is manufactured with several wall thicknesses, drippers with different flow rates and emitters spaced from 20 to 200 cm. In this way, farmers can adapt to different farming operations.

Recommended for flat and/or slightly sloping terrains. 0.90 and 1.00 mm thin/medium wall lines with a flat turbulent dripper featuring a wide inlet filter, ensuring good clogging protection. High discharge uniformity between emitters. Compact and efficient.

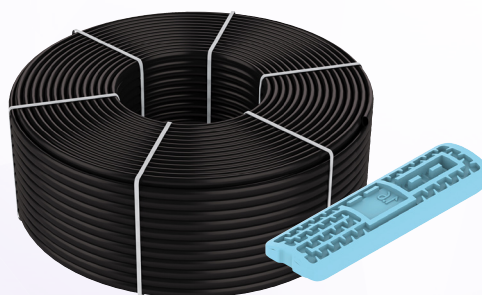
Flat thermo-welded dripper with an Ultra-Slim emitter, large filtration area and maximum clogging resistance. Thanks to the turbulent system created by this revolutionary labyrinth, each tooth produces great turbulence, preventing particle precipitation and facilitating their removal.

CHARACTERISTICS / BENEFITS

- Long and symmetrical turbulent flow labyrinth.
- Labyrinth designed with wide passageways, providing the emitter with high clogging resistance and optimum flow rate regulation.
- Large filtration area.
- Large labyrinth passageway to drain impurities. Five flow rates available: 0.8 - 1.0 - 1.3 - 1.6 - 2.0 - 3.8 l/h.
- 0.0 discharge exponent (x).
- Resistant to ultraviolet rays and fertilisers used in agriculture.
- Recommended filtration: 130 microns/120 mesh. The filtration method is selected according to water particle type and concentration. In case the water contains sand in a proportion higher than 2 ppm, a hydrocyclone filter must be installed before the main filter.



PRODRIP				
DIAMETER	THICKNESS	FLOW RATE	PRESSURE	SEPARATION BETWEEN EMITTERS
mm		l/h	bar	m
16	0'9 1'0	0'8	1'0	0'20, 0'25, 0'30, 0'33, 0'40, 0'50, 0'60, 0'75, 1'00, 1'25, 1'50, 2'00
		1'0		
		1'3		
		1'6		
		2'0		
		3'8		



SPECIFICATIONS

- Wall thickness: 0.9 and 1.00 mm
- Flow rates: 0.9, 1.0, 1.3, 1.6, 2.0, 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

DATOS TÉCNICOS

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

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

*According to the UNE EN ISO 9261 standard. Agricultural irrigation equipment. Emitters and emitting pipe.

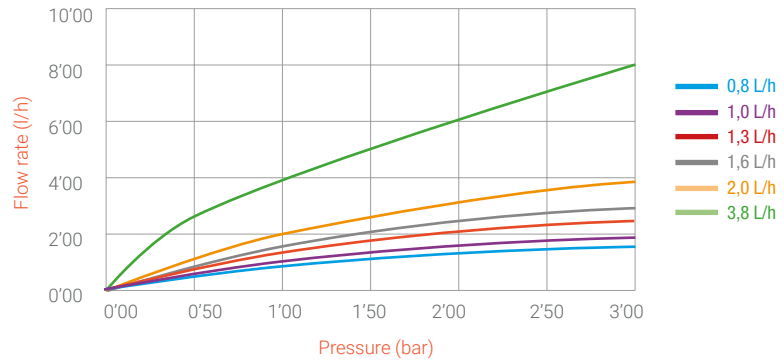
Specifications and test methods.

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	0'8	0'00	0'55	0'80	1'01	1'18	1'33	1'47
	1'0	0'00	0'69	0'98	1'20	1'39	1'55	1'70
	1'3	0'00	0'79	1'22	1'57	1'88	2'16	2'42
	1'6	0'00	1'12	1'61	2'00	2'31	2'61	2'87
	2'0	0'00	1'41	2'04	2'53	2'96	3'33	3'67
	3'8	0'00	2'55	3'93	5'08	6'08	6'99	7'84



CHARACTERISTIC EQUATION

DIAMETER	FLOW RATE	q = k · p ^x
mm	l/h	q (l/h) , p (bar)
16	0'8	q = 0'79 · p ^{0'49}
	1'0	q = 0'98 · p ^{0'50}
	1'3	q = 1'32 · p ^{0'50}
	1'6	q = 1'57 · p ^{0'50}
	2'0	q = 2'02 · p ^{0'50}
	3'8	q = 3'77 · p ^{0'50}



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	0'8	0'50	75	87	98	106	116	143	156	174	219	232	259	299
		1'00	79	93	104	113	123	151	165	184	232	246	274	317
		1'50	90	105	118	128	140	172	188	209	263	279	311	360
		2'00	106	123	138	150	164	201	220	245	308	327	365	421
		2'50	122	142	160	173	189	232	254	283	356	378	421	487
		3'00	145	169	190	205	224	276	302	336	422	448	500	577
	1'0	0'50	69	80	90	98	107	131	144	160	208	220	246	284
		1'00	75	88	99	107	117	144	157	175	220	238	266	310
		1'50	87	102	114	123	135	166	181	202	250	267	301	351
		2'00	103	120	135	146	159	196	215	239	293	323	360	416
		2'50	119	139	156	169	185	227	249	277	348	361	403	475
		3'00	139	163	182	197	214	265	290	323	406	431	486	563
	1'3	0'50	66	78	87	94	106	126	140	158	195	211	237	278
		1'00	74	86	96	105	117	139	155	175	216	234	262	308
		1'50	84	98	109	119	133	158	176	199	245	266	297	350
		2'00	98	115	128	139	156	185	206	233	287	311	348	410
		2'50	116	132	148	160	180	214	238	269	331	359	402	473
		3'00	134	157	176	190	213	254	282	320	393	426	477	561
	1'6	0'50	61	72	80	87	100	115	130	150	180	200	225	270
		1'00	68	80	89	96	111	128	144	166	200	222	249	299
		1'50	77	91	101	110	126	145	164	189	227	252	283	340
		2'00	90	106	118	128	147	170	192	221	265	295	332	398
		2'50	104	123	134	148	170	196	221	255	307	341	383	460
		3'00	123	145	162	176	202	232	263	303	364	404	455	546
2'0	0'50	54	63	72	76	87	101	115	132	160	184	207	254	
	1'00	59	70	80	84	96	112	127	146	199	203	229	282	
	1'50	67	80	90	96	109	127	144	166	201	231	260	320	
	2'00	79	93	106	112	128	149	169	194	235	270	305	375	
	2'50	91	108	122	130	147	172	195	224	272	312	352	432	
	3'00	108	128	145	154	175	203	232	266	323	370	418	513	
3'8	0'50	35	37	39	43	49	58	69	79	98	110	125	152	
	1'00	39	41	45	48	54	64	76	89	108	122	138	168	
	1'50	44	47	49	54	62	73	87	99	123	138	157	191	
	2'00	52	54	57	63	72	85	102	116	144	162	184	224	
	2'50	59	63	66	73	83	99	117	134	167	187	212	254	
	3'00	71	75	79	87	99	117	139	159	198	222	252	307	





RECOMMENDED FITTINGS



BROWN SAFETY TEE



BROWN SAFETY SOCKET



BROWN SAFETY SOCKET WITH GROMMET



BROWN SAFETY COUPLING

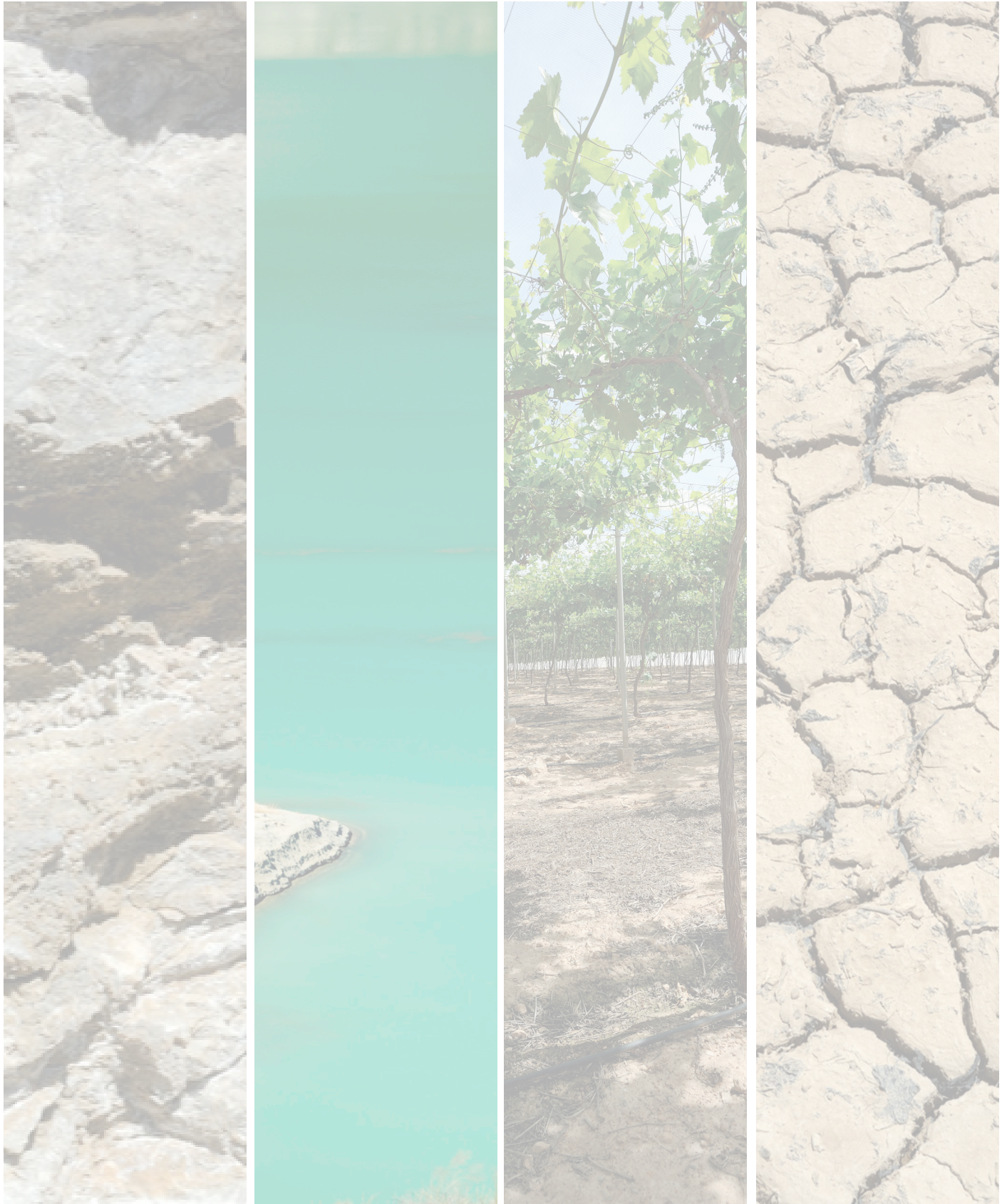


BROWN SAFETY ELBOW



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Creando los caminos
del agua

