STARCOMP NEO

Dripline with an integrated self-compensating (PC), self-cleaning and anti-suction (AS) dripper

GESTIRIEGO

MICROIRRIGATION PIPING

STARCOMP NEO

Dripline with an integrated self-compensating (PC), self-cleaning and anti-suction (AS) dripper. Thanks to its silicone membrane built into the dripper,

STARCOMP NEO regulates and maintains a constant flow regardless of the working pressure.

The new STARCOMP NEO has been developed by our RDI department, which has more than 20 years of experience in continuous research

ADVANTAGES

•**EXTRAORDINARILY RESISTANT.** The **STARCOMP NEO** dripper is built into the piping, acquiring maximum resistance to UV rays and temperature changes.

Made of high-quality polyethylene, it withstands any type of impacts and pressure changes that may happen during work.

Its silicone membrane is fully resistant to chemical products and fertilisers.

•**STABLE FLOW RATE.** Thanks to its symmetric geometry and silicone membrane, the STARCOMP NEO dripper always provides the same amount of water and nutrients at working pressures ranging from 0.5 to 3.5 bar. This facilitates the installation of longer irrigation lines, as well as their use in difficult topographical conditions.

A-category emitter with a CV<5% and a 0.03 discharge exponent.

•**ANTI-CLOGGING.** Thanks to its anti-suction system, it prevents particles from getting inside the emitter during piping vacuum.

Its self-cleaning process causes the membrane to vibrate during self-compensation, preventing the sedimentation of particles.

Labyrinths with wide passageways of millimetric accuracy that are designed to work with standard filtering systems, thus reducing the possibilities of clogging.

Cross-shaped, raised pre-filter that prevents the inlet of particles larger than the minimum passageway of the labyrinth.

SPECIFICATIONS

•Nominal diameters: 16 mm.

•D16 mm flow rates: 1.6, 2.0, 3.8 l/h.

•Coil length: 400 m in Ø16. (Other lengths available upon request).

•Option to be fitted in brown and white piping for gardening applications.

APPLICATIONS

•Fields with great lengths of laying.

•Systems with complex and irregular topography.

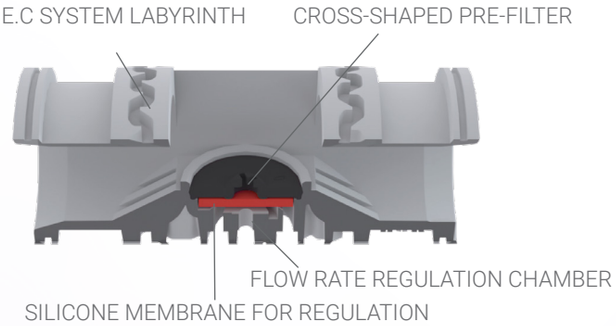
•Any type of crops in open fields and greenhouses requiring maximum fertilising irrigation accuracy.

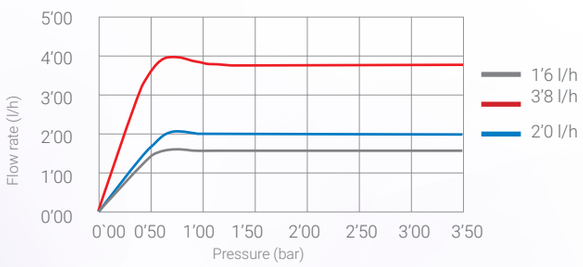
•Crops such as vineyards, olive groves, and any type of fruit trees.

•Gardening applications.

STARCOMP NEO				
DIAMETER	FLOW RATE	PRESSURE	SEPARATION BETWEEN EMITTERS	ROLL
mm	l/h	bar		m
16	1'6	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	400
	2'0			
	3'8			

CHARACTERISTIC EQUATION		
DIAMETER	FLOW RATE	q= k·p
mm	l/h	q (l/h), p (bar)
16	1'60	$q = 1'55 \cdot p^{0.04}$
	2'00	$q = 1'93 \cdot p^{0.03}$
	3'80	$q = 3'70 \cdot p^{0.02}$





TECHNICAL DATA

STARCOMP NEO WALL THICKNESSES							
NOMINAL DIAMETER	FLOW RATE	HOMOGENEITY	DISCHARGE EXPONENT	INTERNAL DIAMETER	WALL THICKNESS	NOMINAL PRESSURE	MAXIMUM WORKING PRESSURE
mm				mm	mm	bar	m
16	1'6	2'7	0'0	13'8	0'90	2'00	3'00
	2'0	2'4	0'0	13'8	1'00	2'00	3'50
	3'8	1'9	0'0	13'8	1'15	2'00	4'00

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

FLOW RATE-PRESSURE CHART								
DIAMETER	FLOW RATE	PRESSURE						
		0'00	0'5	1'0	1'5	2'0	2'5	3'0
		mm						
		FLOW RATE						
mm	mm	l/h						
16	1'6	0'00	151	1'55	1'57	1'59	1'60	1'62
	2'0	0'00	1'88	1'93	1'96	1'98	2'00	2'01
	3'8	0'00	3'66	3'7	3'73	3'74	3'76	3'77

STARCOMP NEO													
DIAMETER	FLOW RATE	PRESSURE	MAXIMUM BRANCH LENGTHS IN FLAT TERRAIN										
			0'20	0'25	0'30	0'33	0'40	0'50	0'60	0'75	1'00	1'25	1'50	2'00
mm	l/h		m											
16	1'6	0'50	32	38	48	56	63	79	95	121	158	197	203	248
		1'00	34	40	51	58	68	85	102	130	169	211	239	310
		1'50	36	41	54	60	72	90	109	139	180	225	276	373
		2'00	43	59	66	70	80	108	131	158	203	270	333	464
		2'50	45	52	68	85	90	113	136	173	225	281	346	466
		3'00	47	54	72	91	95	118	144	182	236	295	364	491
	2'0	0'50	35	42	53	62	70	88	106	134	175	219	225	275
		1'00	38	44	57	65	75	94	114	144	188	235	266	345
		1'50	40	46	60	67	80	100	121	154	200	250	307	414
		2'00	48	65	73	78	89	120	145	175	225	300	370	515
		2'50	50	58	76	94	100	125	151	192	250	312	384	518
		3'00	52	60	80	101	105	131	160	202	262	328	404	546
	3'8	0'50	17	22	26	31	35	44	53	66	87	109	135	183
		1'00	19	24	28	34	38	47	57	71	94	117	145	196
		1'50	20	25	30	37	40	50	61	75	100	125	154	208
		2'00	24	30	36	44	48	60	73	90	120	150	184	248
		2'50	25	32	38	47	50	63	76	94	125	156	192	259
		3'00	26	33	39	51	53	66	80	99	131	164	202	273

RECOMMENDED FITTINGS

BROWN SAFETY TEE

BROWN SAFETY SOCKET

END RING

BROWN SAFETY COUPLING

BROWN SAFETY ELBOW

ORANGE SAFETY COUPLING WITH GROMMET

BRANCH VALVE

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Creando los caminos del agua