

Pressure-compensating and no-drain on-line dripper for multiple uses



What it is

NAVIA is the Pressure-Compensating and no-drain range able to adapt so much to installations of irregular topography as to crops of high performance in greenhouses.

With the last advances in technology, NAVIA joins in the same dripper a wide range of pressure-compensating with the best variation coefficient, obtaining high uniformity of water application and fertilizers on each plant and making each installation profitable.



Applications

- ▶ For tree-crop irrigation, nursery, hydroponics irrigation.
- ▶ Allows to modify the separation between the emission points.
- ▶ For installations with abrupt topography.



Advantages

- ▶ **Wide working range:** It works in a wide range of pressures, allowing to maximize the advantages of located irrigation, optimizing costs. The design of the installations is simplified thanks to its wide range of pressure compensating and accuracy, even in areas with abrupt topography.
- ▶ **Accurate closure and opening pressure:** Its accuracy allows the saving of fertilizers from the beginning of irrigation, obtaining the maximum profitability. Specially recommended for short irrigations, hydroponics crops, pulse irrigation...
- ▶ **On-line dripper of easy installation:** Its design allows its installation to variable distances depending on the specific requirements of the crop. Maximum resistance to blows and friction and UV action.

NAVIA

Pressure-compensating



PC 2.2L

PC 4L

PC 8L

PC 12L

PC 25L

Smooth / Barbed outlet

Pressure-compensating & no-drain



ND 1.1L

ND 2.2L

HND 3L

ND 4L

ND 7.8L

Smooth / Barbed outlet

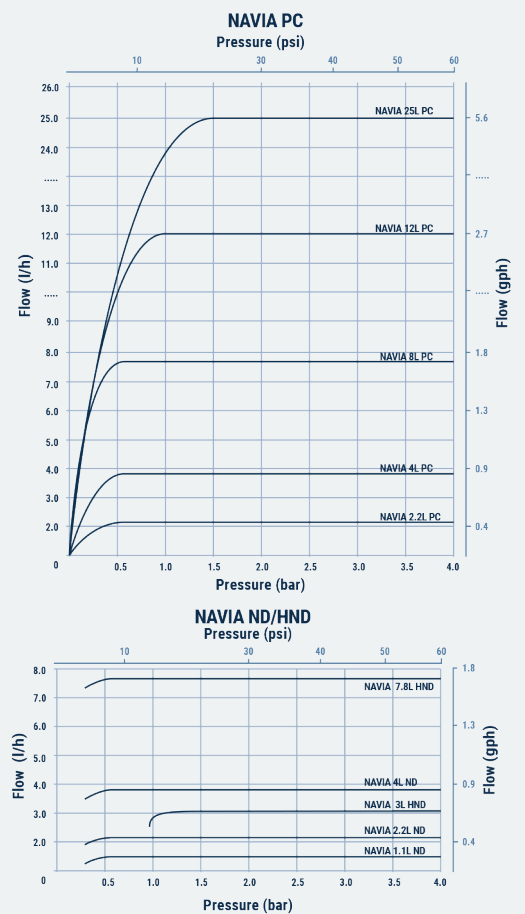
NAVIA models		NAVIA PC					NAVIA ND/HND				
		2.2L	4L	8L	12L	25L	1.1L	2.2L	3L*	4L	7.8L
Nominal flow	l/h	2.20	3.80	7.80	12.00	25.00	1.10	2.20	3.10	3.80	7.80
	gph	0.58	1.00	2.06	3.17	6.60	0.29	0.58	0.82	1.00	2.06
Pressure-compensation interval	bar	0.6-3.5		0.8-3.5		1.25-3.5		0.6-3.5		0.6-3.5	
	psi	8.7-50.7		11.6-50.7		18.1-50.7		8.7-50.7		8.7-50.7	
Closing pressure	bar			-				0.15		0.15	
	psi			-				2.18		2.18	

Disc filtration recommended ≤ 130 micron
 *HND (high pressure no-drain)
 2 mm hole drill

Pressure		NAVIA PC										NAVIA ND/HND									
		2.2L		4L		8L		12L		25L		1.1L		2.2L		3L		4L		7.8L	
bar	psi	l/h	gph	l/h	gph	l/h	gph	l/h	gph	l/h	gph	l/h	gph	l/h	gph	l/h	gph	l/h	gph	l/h	gph
0.6	9	2.20	0.58	3.80	1.00	7.80	2.06	10.1	2.7	18.10	4.78	1.10	0.29	2.20	0.58	-	-	3.80	1.00	7.80	2.06
1.0	15	2.20	0.58	3.80	1.00	7.80	2.06	12.0	3.17	22.40	5.92	1.10	0.29	2.20	0.58	3.10	0.82	3.80	1.00	7.80	2.06
2.0	30	2.20	0.58	3.80	1.00	7.80	2.06	12.0	3.17	25.00	6.60	1.10	0.29	2.20	0.58	3.10	0.82	3.80	1.00	7.80	2.06
3.0	44	2.20	0.58	3.80	1.00	7.80	2.06	12.0	3.17	25.00	6.60	1.10	0.29	2.20	0.58	3.10	0.82	3.80	1.00	7.80	2.06
3.5	51	2.20	0.58	3.80	1.00	7.80	2.06	12.0	3.17	25.00	6.60	1.10	0.29	2.20	0.58	3.10	0.82	3.80	1.00	7.80	2.06

NAVIA		Dripline length (m)*																				
Model	Inlet pressure (bar)	Spacing between emitters (m)**																				
		Ø16						Ø20														
		0.30	0.50	0.75	1.00	1.25	0.30	0.50	0.75	1.00	1.25											
PC 2.2L	1.0	66	98	131	161	189	110	159	211	256	298											
	2.0	102	152	206	253	295	172	249	331	402	466											
	3.0	123	184	249	306	359	208	302	401	488	568											
PC 4L	1.0	46	68	92	113	131	77	111	147	179	208											
	2.0	71	106	143	176	206	120	174	231	281	326											
	3.0	85	128	173	214	250	145	211	281	341	396											
PC 8L	1.0	29	43	59	72	84	49	71	94	114	133											
	2.0	45	67	91	112	131	76	111	147	179	208											
	3.0	54	81	110	136	156	92	134	179	217	253											
PC 12L	1.0	-	33	44	54	64	-	54	71	86	100											
	2.0	-	51	69	85	100	-	84	112	136	158											
	3.0	-	61	83	103	121	-	102	135	165	191											
PC 25L	2.0	-	32	43	53	63	-	52	70	85	99											
	3.0	-	38	52	64	75	-	64	85	103	120											
ND 1.1L	2.0	170	253	342	420	-	274	397	527	641	-											
ND 2.2L	2.0	102	152	206	253	-	172	249	331	402	-											
HND 3L***	2.0	75	112	152	186	-	127	184	243	296	-											
ND 4L	2.0	71	106	143	176	-	120	174	231	281	-											
ND 7.8L	2.0	-	67	91	112	131	-	111	147	179	208											

*Slope: 0%.
 **Pressure-compensating interval.
 ***High pressure no-drain model.



+ Fittings

We recommend fittings which are approved by AZUD, please check our range of fittings and accessories.



EXTENDABLE MULTI-OUTLET

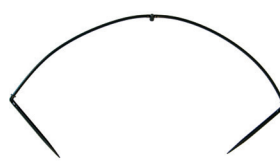


PICK

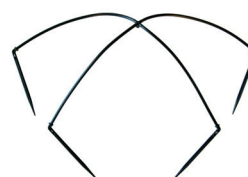
+ Applications



ASSEMBLED NAVIA DRIPPER



TWO-WAY NAVIA ASSEMBLY



FOUR-WAY NAVIA ASSEMBLY



PICK + MICROTUBE NAVIA ASSEMBLY

* SISTEMA AZUD, S.A reserves the right to change the characteristics of these products without prior notice.