

NAVIA

Pressure-compensating and no-drain on-line dripper for multiple uses
 Gotero autocompensante y antidrenante pinchado de múltiples posibilidades



What it is Qué es

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.

NAVIA es la gama de goteros pinchados autocompensantes y antidrenantes que se adapta tanto al riego de instalaciones con importantes desniveles topográficos como a cultivos de alto rendimiento en invernadero.

Solo con los últimos avances en tecnología de inyección se consigue aunar en el mismo gotero un amplio rango de autocompensación con el mejor coeficiente de variación, proporcionando gran uniformidad de aplicación de agua y fertilizantes a cada planta, rentabilizando cada instalación.



Application Aplicación

- For tree-crop irrigation, nursery, hydroponics irrigation.
- Allows to modify the separation between the emission points.
- For installations with abrupt topography.
- Para riego de cultivos arbóreos, viveros, riego hidropónico.
- Permiten modificar la separación entre puntos de emisión.
- Ideal para explotaciones con desniveles topográficos.



Advantages Ventajas

1 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.

2 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...

3 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.

1 AMPLIO RANGO DE TRABAJO

Trabaja en un extenso rango de presiones, permitiendo maximizar las ventajas del riego localizado, optimizando costos. El diseño de la instalación se simplifica gracias a su amplio rango de autocompensación y precisión, incluso en terrenos topográficamente difíciles.

2 PRESION DE CIERRE Y APERTURA PRECISA.

Su precisión permite el ahorro de fertilizantes desde el comienzo del riego, con la máxima rentabilidad, siendo especialmente recomendable para riegos cortos, cultivo hidropónico, riego a pulsos...

3 GOTERO PINCHADO DE FACIL INSTALACIÓN

Su diseño permite su instalación a distancias variables en función de las necesidades específicas del cultivo. Máxima resistencia mecánica a golpes y fricciones y a la acción degradante UV.

| PRESSURE-COMPENSATING AUTOCOMPENSANTE | | | | | | |
|--|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|
| NAVIA | | | | | | |
| | PC 2.2L | PC 4L | PC 8L | PC 12L | PC 25L | |
| | *Smooth outlet Salida lisa | *Smooth outlet Salida lisa | *Smooth outlet Salida lisa | *Smooth outlet Salida lisa | *Smooth outlet Salida lisa | |
| | PRESSURE-COMPENSATING & NO-DRAIN AUTOCOMPENSANTE-ANTIDRENANTE | | | | | |
| | | | | | | |
| | ND 2.2L | HND 3L | ND 4L | ND 7.8L | | |
| Barbed outlet Salida espita | Barbed outlet Salida espita | *Smooth outlet Salida lisa | *Smooth outlet Salida lisa | | | |

*Smooth outlet is not compatible with the microtube directly, the barbed adaptor is necessary.
 *No usar directamente el microtubo con la salida lisa, es necesario un accesorio adaptador espita.

NAVIA

TECHNICAL DATA / DATOS TECNICOS

| NAVIA models Modelos NAVIA | | PC | | | | | ND / HND | | | |
|---|------------|-----------------------|------------|------------|----------------------|-----------------------|-------------------------|------------------------|-------------------------|------------------------|
| | | 2.2L | 4L | 8L | 12L | 25L | 2.2L | 3L* | 4L | 7.8L |
| Nominal flow Caudal nominal | l/h gph | 2.2 0.5 | 3.8 0.8 | 7.8 1.7 | 12 2.7 | 25 5.6 | 2.2 0.5 | 3.1 0.7 | 3.8 0.8 | 7.8 1.7 |
| Pressure-compensation interval Intervalo de presión autocompensación | bar psi | 0.6 - 3.5 9.0 - 51 | | | 0.8 - 3.5 12 - 51 | 1.25 - 3.5 19 - 51 | 0.6 - 3.5 9.0 - 51 | 1.0 - 3.5 15 - 51 | 0.6 - 3.5 9.0 - 51 | 0.6 - 3.5 9.0 - 51 |
| Closing pressure / Opening pressure Presión de cierre / Presión apertura | bar psi | - | | | | | 0.15 - 0.3 2.0 - 4.0 | 0.35 - 0.9 5.0 - 13 | 0.15 - 0.3 2.0 - 4.0 | 0.35 - 0.9 5.0 - 13 |

Disc filtration recommended ≤ 130 micron / Se recomienda filtración por discos ≤ 130 micron
*HND (high pressure no-drain) / HND (antidrenante alta presión)

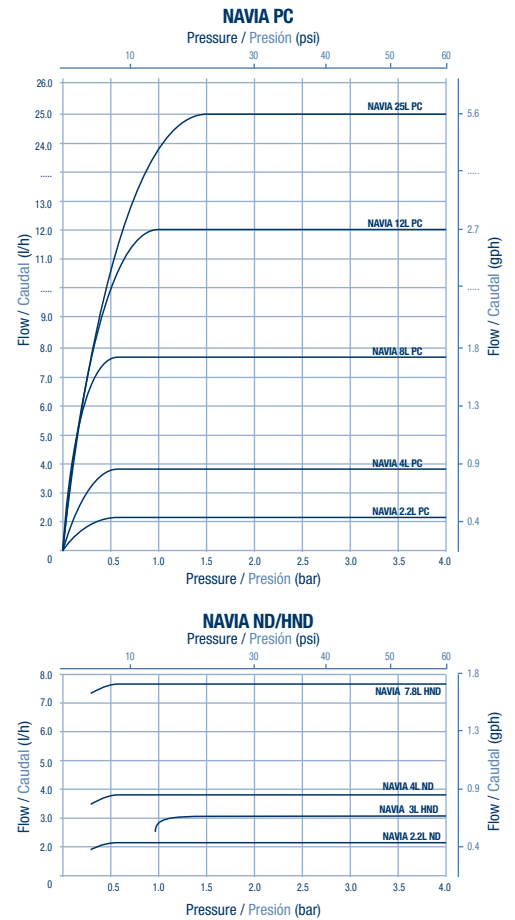
| Pressure Presión | | NAVIA PC | | | | | NAVIA ND / HND | | | |
|---------------------|-----|----------|---------|---------|----------|----------|----------------|---------|---------|---------|
| | | 2.2L | 4L | 8L | 12L | 25L | 2.2L | 3L | 4L | 7.8L |
| bar | psi | l/h gph | l/h gph | l/h gph | l/h gph | l/h gph | l/h gph | l/h gph | l/h gph | l/h gph |
| 0.6 | 9 | 2.2 0.5 | 3.8 0.8 | 7.8 1.7 | 10.1 2.7 | 18.1 4.8 | 2.2 0.5 | - - | 3.8 0.8 | 7.8 1.7 |
| 1.0 | 15 | 2.2 0.5 | 3.8 0.8 | 7.8 1.7 | 12 2.7 | 22.4 5.9 | 2.2 0.5 | 3.1 0.7 | 3.8 0.8 | 7.8 1.7 |
| 2.0 | 30 | 2.2 0.5 | 3.8 0.8 | 7.8 1.7 | 12 2.7 | 25 5.6 | 2.2 0.5 | 3.1 0.7 | 3.8 0.8 | 7.8 1.7 |
| 3.0 | 44 | 2.2 0.5 | 3.8 0.8 | 7.8 1.7 | 12 2.7 | 25 5.6 | 2.2 0.5 | 3.1 0.7 | 3.8 0.8 | 7.8 1.7 |
| 3.5 | 51 | 2.2 0.5 | 3.8 0.8 | 7.8 1.7 | 12 2.7 | 25 5.6 | 2.2 0.5 | 3.1 0.7 | 3.8 0.8 | 7.8 1.7 |

| NAVIA | | Dripline length / Longitud de ramal (m)* | | | | | | | | | |
|-----------------|---|---|------|------|------|------|------|------|------|------|------|
| Model Modelo | Inlet pressure Presión entrada (bar) | Spacing between emitters / Separación de emisores (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 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 / Pendiente: 0%

**Pressure-compensating interval / Intervalo autocompensación

***High pressure no-drain model / Modelo antidrenante de alta presión



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| Fittings Accesorios | <p>HOLE DRILLER 2 mm PISTOLA MULTIFUNCIÓN 2 mm</p> | | <p>EXTENDABLE MULTI-OUTLET MULTISALIDA AMPLIABLE</p> | | <p>PICK ESTACA</p> | |
|------------------------------|--|--|--|--|--------------------|--|
| Applications Aplicaciones | <p>MICROTUBE MULTIOUTLET 5.3 x 3.3 // 5 x 3.3 mm MULTISALIDA MICROTUBO 5.3 x 3.3 // 5 x 3.3 mm</p> | | <p>PICK 3.3 x 5.3 // 3.3 x 5 mm ESTACA 3.3 x 5.3 // 3.3 x 5 mm</p> | | | |

WE RECOMMEND FITTINGS WHICH ARE APPROVED BY AZUD. PLEASE CHECK OUR RANGE OF FITTINGS AND ACCESSORIES
RECOMENDAMOS ACCESORIOS HOMOLOGADOS POR AZUD, CONSULTE NUESTRA GAMA DE ACCESORIOS Y COMPLEMENTOS

AZUD

The Culture of Water La Cultura del Agua

SISTEMA AZUD, S.A.
Avda. de las Américas P. 6/6 - Pol. Ind. Oeste
30820 ALCANTARILLA - MURCIA - SPAIN

Apdo. 147•30169 SAN GINÉS - MURCIA - SPAIN
Tel.: +34 968 808402 • Fax: +34 968 808302
E-mail: azud@azud.com • www.azud.com



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