

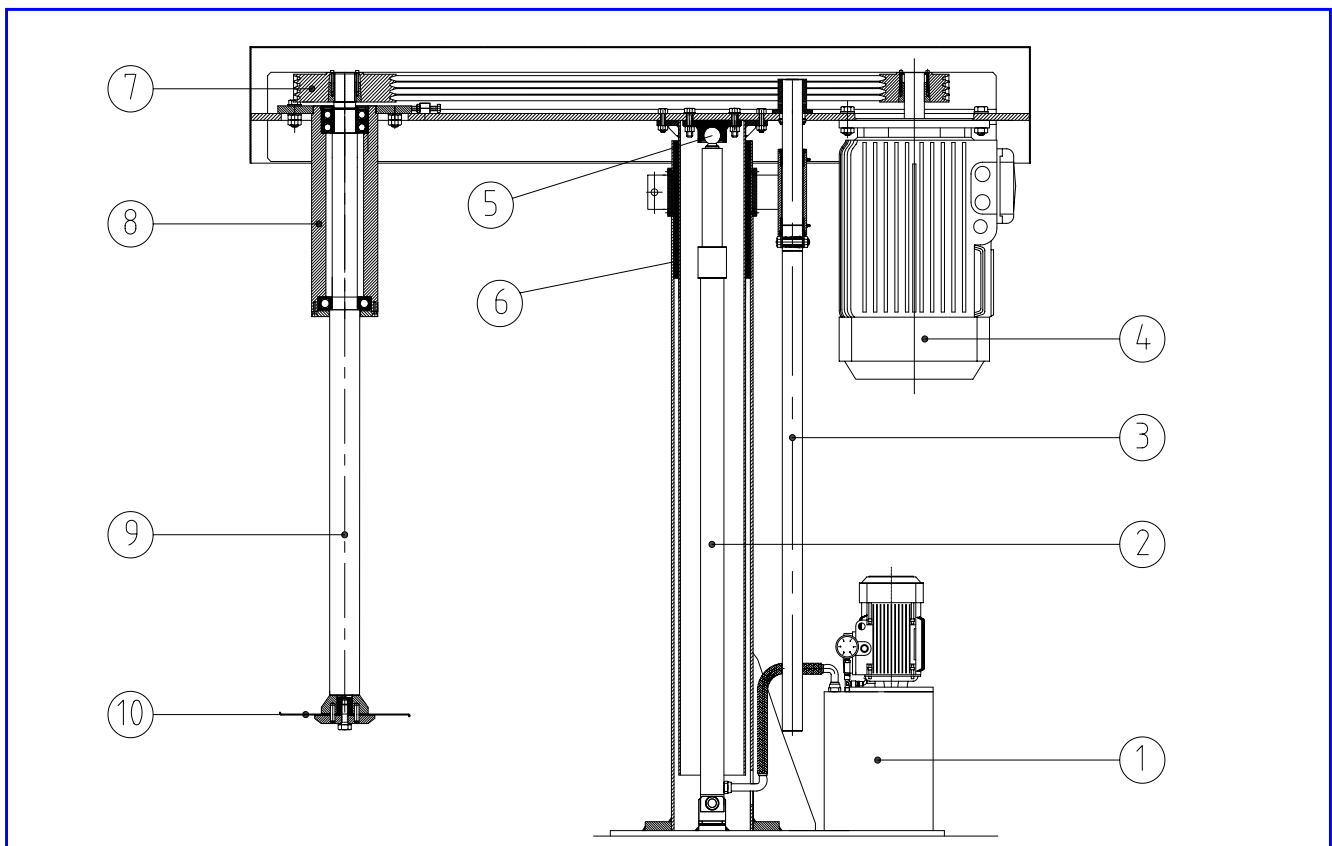
## Dispersers

**NTD** has included in its production line a new and wide range of dispersers.



**NTD** produces its new range of Dispersers incorporating the latest innovations in technology.

- Easy operation and innovative design that minimise safety risks and low sound pressure that reduces fatigue and inconveniences to the operators.
- Better design at both functional and aesthetic levels, which provides greater satisfaction to our customers.
- Great value for money and excellent performance.



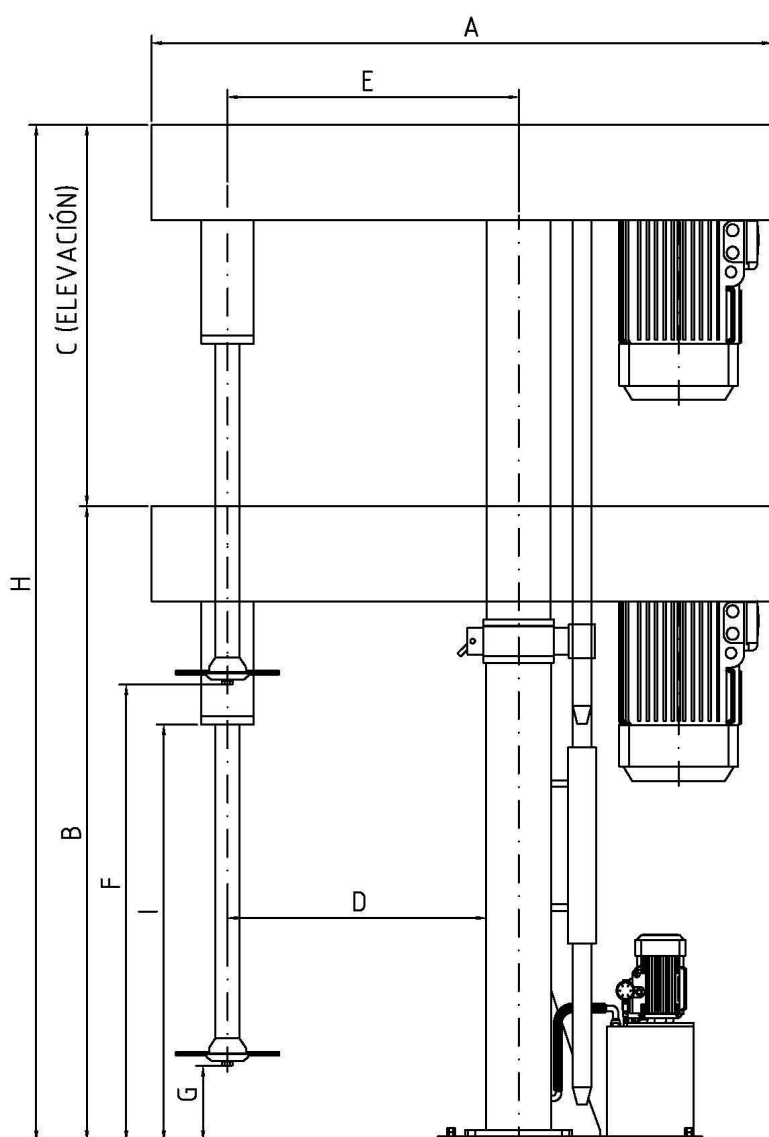
### General features

1. Hidraulic unit: Hidraulic station with larg pumping capacity and adjustable flow, which allows controlling the speed of lowering and lifting of the equipment independently.
2. Elevation Hydraulic Cylinder: New raising and lowering system of the agitator unit by means of plunger hydraulic cylinder with leakproof sealing system.
3. Anti-rotation bar: The anti-rotation bar is installed on the rear side of the lifting unit, allowing to place containers of larger diameter on the disperser shaft.
4. Motor: IP55 protection motors and flamproof ATEX II 2G EEx-d IIB motors.
5. Spherical support for the self-aligning of the equipment.
6. Guide bush of great length providing better grip with less effort.
7. Transmission system: Power transmission system from the motor to the agitation shaft MOYU T GRIP with grooved sheaves. The system has built-in static and dynamic balance and an excellent resistance to shock loading, shocks and vibrations.
8. Shaft housing, requiring no maintenance, that assembles permanently self-lubricated bearings and that is free of retainers as there is no grease chamber.
9. Agitator shaft: The disperser solid construction and specially the drive shaft, made of chrome steel and oversized for its power transmission, allow a smooth operation free of vibrations.
10. Agitator disk: Cowless disk made of stainless steel AISI-316 designed to be adapted to the dimensions of the main producers of this kind of equipment..
11. The speed of disperser disk can be adjusted continuously and while working. The speed is controlled by a potentiometer and is shown on a high-brightness display that permanently indicates the R.P.M. (revolutions per minute) of the agitator disk.
12. The electronic speed variation unit is a vector frequency converter that supplies at all times the exact amount of energy that the agitator disk needs according to the process in operation, resulting in energy savings up to 40%. In the case of working in a classified area, control panel must be installed in a safe place.



Indicator EExd (Flameproof)

Indicator IP-55 (Normal)



### Specifications

| Model | Power HP  | Speed RPM |
|-------|-----------|-----------|
| D1    | 10        | 0-2000    |
| D1    | 15        | 0-2000    |
| D1    | 20        | 0-1500    |
| D1    | 25        | 0-1500    |
| D1    | 30        | 0-1500    |
| D2    | 30 (EExd) | 0-1500    |
| D2    | 40        | 0-1200    |
| D2    | 50        | 0-1200    |
| D2    | 75        | 0-1000    |
| D2    | 100       | 0-800     |
| D3    | 100       | 0-800     |
| D3    | 125       | 0-700     |
| D3    | 150       | 0-700     |

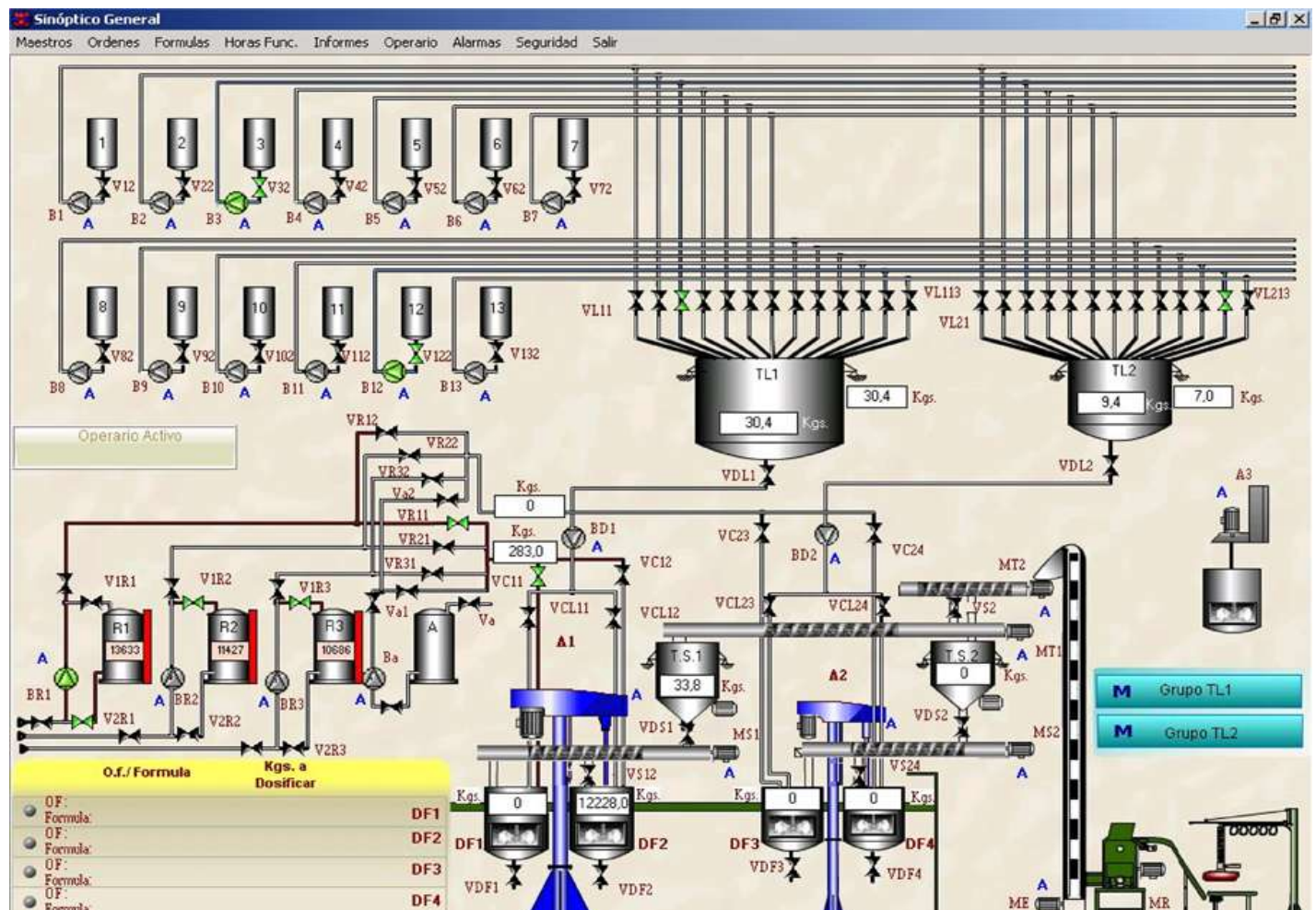
### Disperser Dimensions

| Modelo | A    | B    | C    | D    | E    | F    | G   | H    | I    |
|--------|------|------|------|------|------|------|-----|------|------|
| D1     | 2010 | 2026 | 1400 | 723  | 845  | 1652 | 252 | 3426 | 1380 |
| D2     | 2336 | 2303 | 1500 | 980  | 1100 | 1810 | 310 | 3803 | 1520 |
| D3     | 3060 | 3577 | 2000 | 1223 | 1400 | 2436 | 436 | 5577 | 2477 |



NTD provides the installation of equipment they supply, as well as the the auxiliary facilities required for the storage and transport of liquids and solids that allow the installation work manually or automatically.

Control system supplied by NTD for the automatic operation is easy to use as it has been made under Windows.



Example: Synoptic diagram of an automatic operation plant.

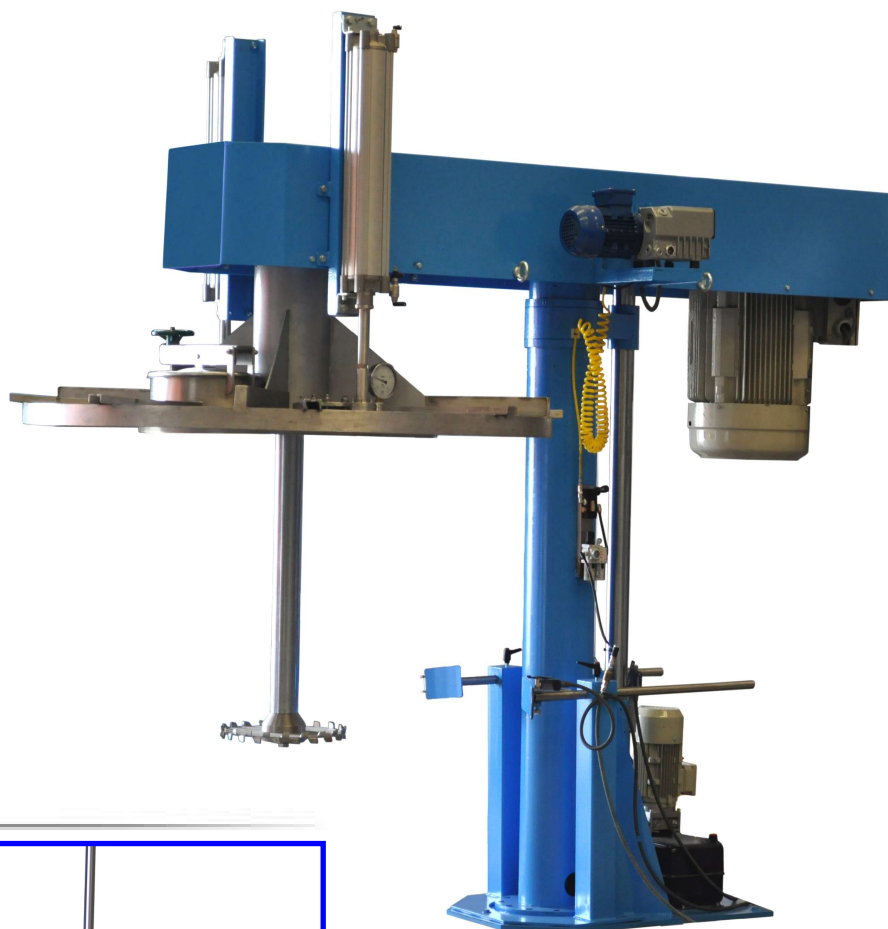
## Special manufacture dispersers

**NTD** has included in its production line a new range of dispersers fully custom made to meet the needs of our clients.

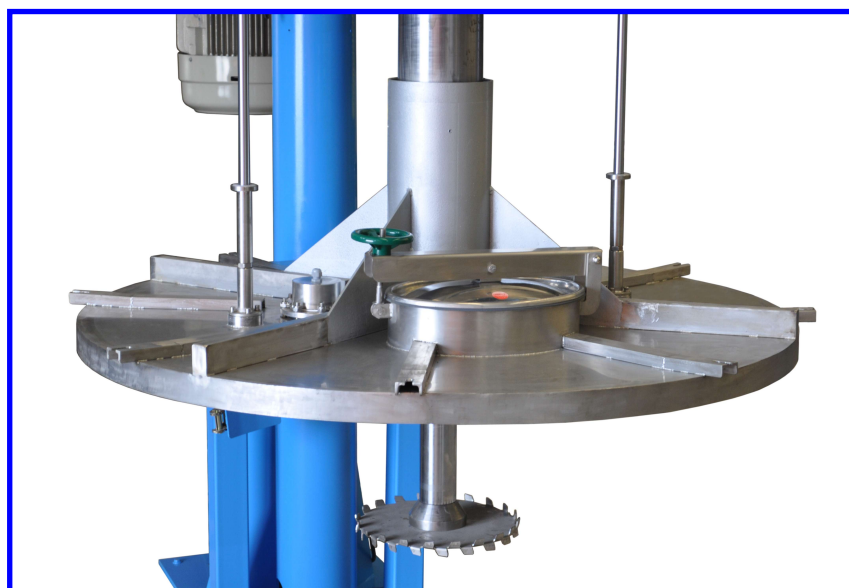


### DISSOLVER AGITATOR UVI D50 WITH VACUUM LID AND PUMP

Vacuum pump detail



Vacuum lid detail

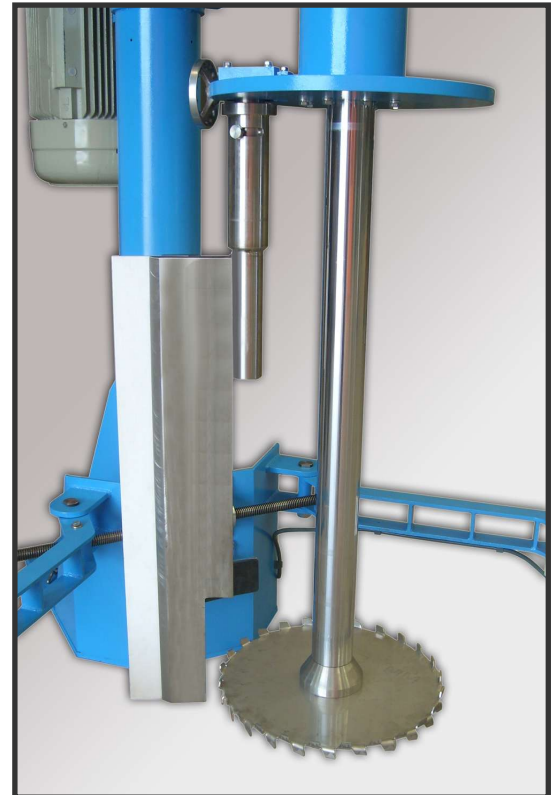


**Suitable for  
products that  
must be  
manufactured  
using vacuum**

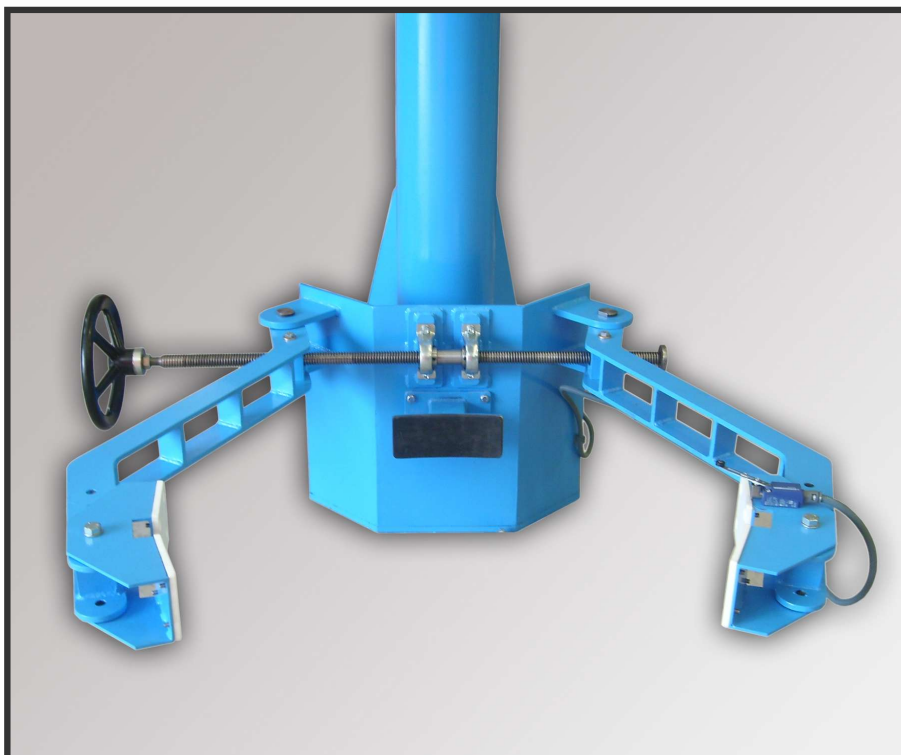
## DISSOLVER AGITATOR UVI D75 WITH SCRAPER AND FIXING SYSTEM FOR TANKS USING CLAMPS



Scraper detail



Fixing system for tanks detail



**Suitable for  
highly  
viscous  
products**

Nuevas Técnicas de Dispersión, S.L.

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NTD

## Dispersers with pneumatic lifting

NTD has included in its production line a new wide range of dispersers with pneumatic lifting in different powers.

Pneumatic lifting



Power:  
5'5 HP - 7'5 HP - 10 HP

Electronic speed  
variation

Clamping system  
for tanks

Safe lifting and fixing  
by means of limit switch

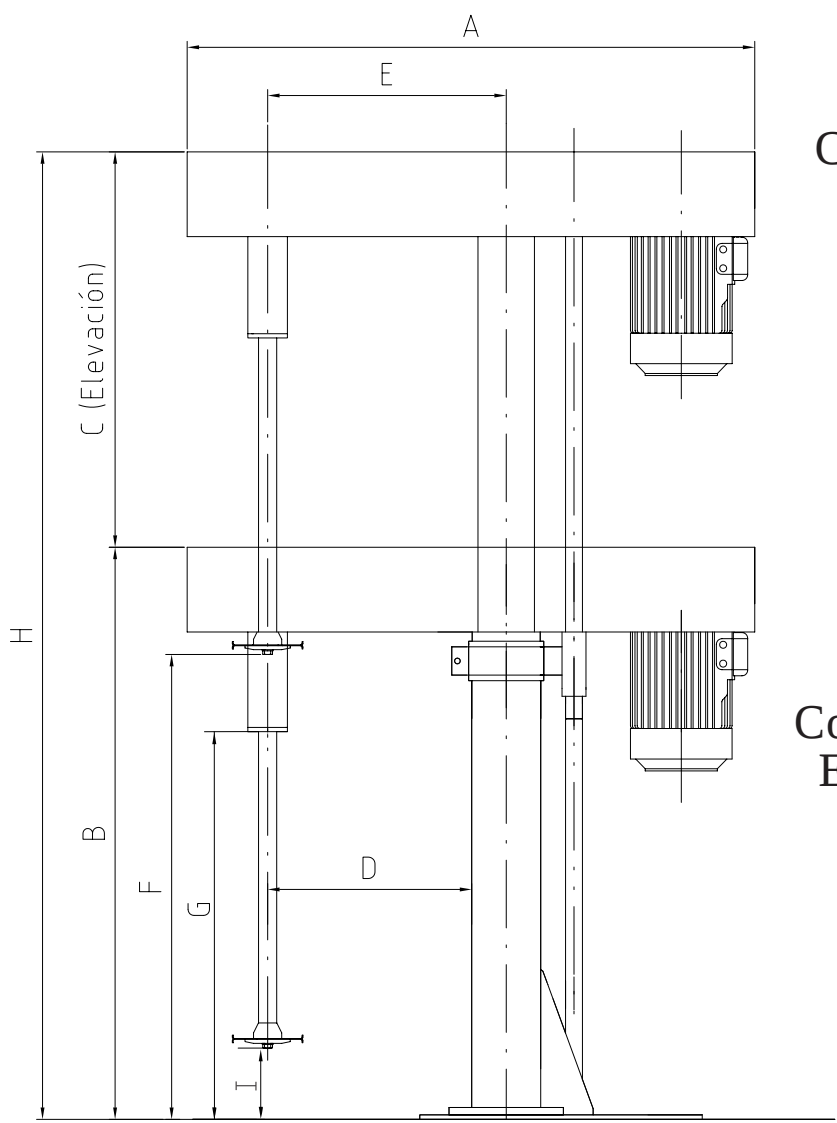
Speed range:  
From 0 to 1.500 RPM

Great cost reduction make our prices very competitive

**NTD** produces a new wide range of agitators with pneumatic lifting integrating the latest technology innovations.

Easy operation and innovative design that minimises safety risks and low sound pressure level that reduces fatigue and inconveniences to the operators.

Better design at both functional and aesthetic levels, which provides greater satisfaction to our customers.



Control  
IP-55



Control  
EExd



| Specifications |          |           |
|----------------|----------|-----------|
| Model          | Power HP | Speed RPM |
| DN1-5'5        | 5'5      | 1.500     |
| DN1-7'5        | 7'5      | 1.500     |
| DN1-10         | 10       | 1.500     |

| Agitators Dimensions |       |       |     |     |       |       |       |     |
|----------------------|-------|-------|-----|-----|-------|-------|-------|-----|
| A                    | B     | C     | D   | E   | F     | G     | H     | I   |
| 1.407                | 1.610 | 1.000 | 520 | 650 | 1.210 | 1.180 | 2.610 | 210 |

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## Dispersers with pneumatic lifting for containers.

NTD has included in its production line a new and wide range of dispersers for containers and tanks with large diameter (with low viscosity).

Pneumatic lifting



Available  
power:

5'5 HP  
7'5 HP  
10 HP

Allows tanks  
ø2.000 mm x 1.400 mm height

Great cost reduction make our prices very competitive



Agitator in  
container detail





### Agitator in tank detail

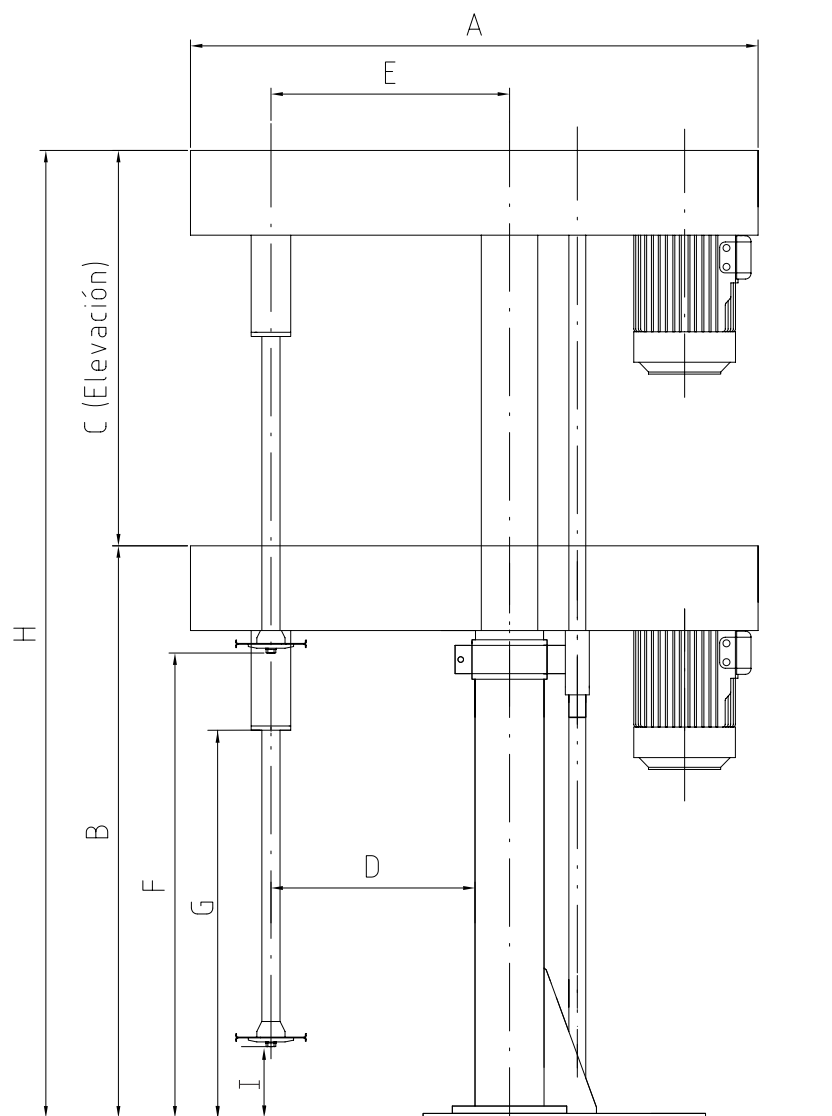
- Pneumatic lifting.
- Power range: 5'5 HP - 7'5 HP - 10 HP
- Electronic speed variation
- Fixing system for tanks
- Safe lifting and fixing by means of limit switch
- Speed range: from 0 to 1500RPM

Easy operation and innovative design that minimise safety risks and low sound pressure level that reduces fatigue and inconveniences to the operators.

Better design at both functional and aesthetic levels, which provides greater satisfaction to our customers.

- Great value for money and excellent performance.

# GENERAL DIMENSIONS



**Agitators Dimensions for containers and tanks with large diameter**

| A     | B     | C    | D   | E     | F     | G     | H     | I   |
|-------|-------|------|-----|-------|-------|-------|-------|-----|
| 2.070 | 1.860 | 1250 | 980 | 1.190 | 1.430 | 1.430 | 3.110 | 210 |