

Dispersers

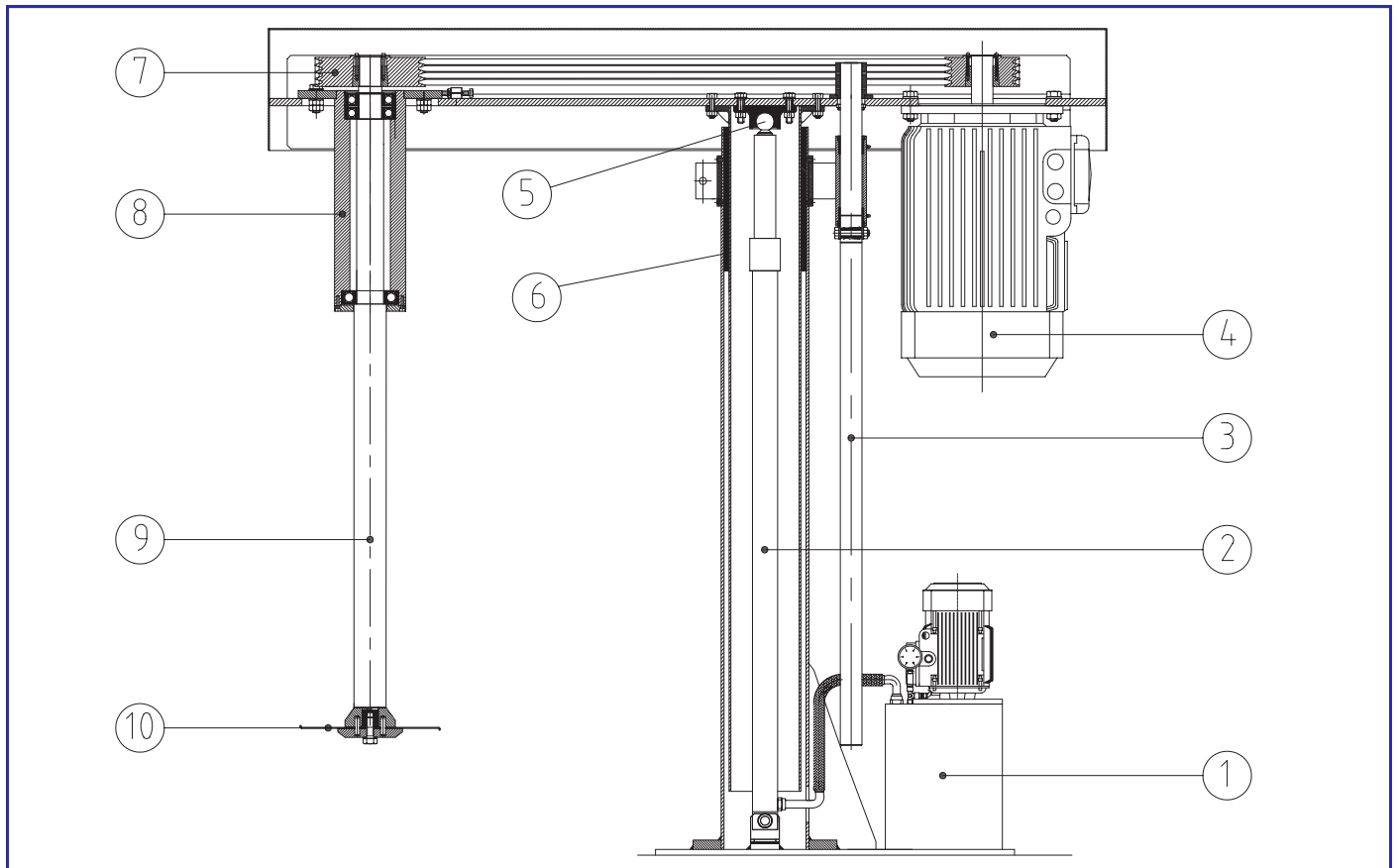
Uvitem includes a wide range of dispersers.



CE ATEX

Uvitem produces the new range of Dispersers incorporating the latest innovations on technology.

- The equipments are easy to use and the innovating designs enables a reduction of risks for users and also the low noise of machines reduces fatigue and avoid bothering employees.
- Better designed both functionally and aesthetically providing more satisfaction to our clients.
- Excellent relation quality / price / features.



General features

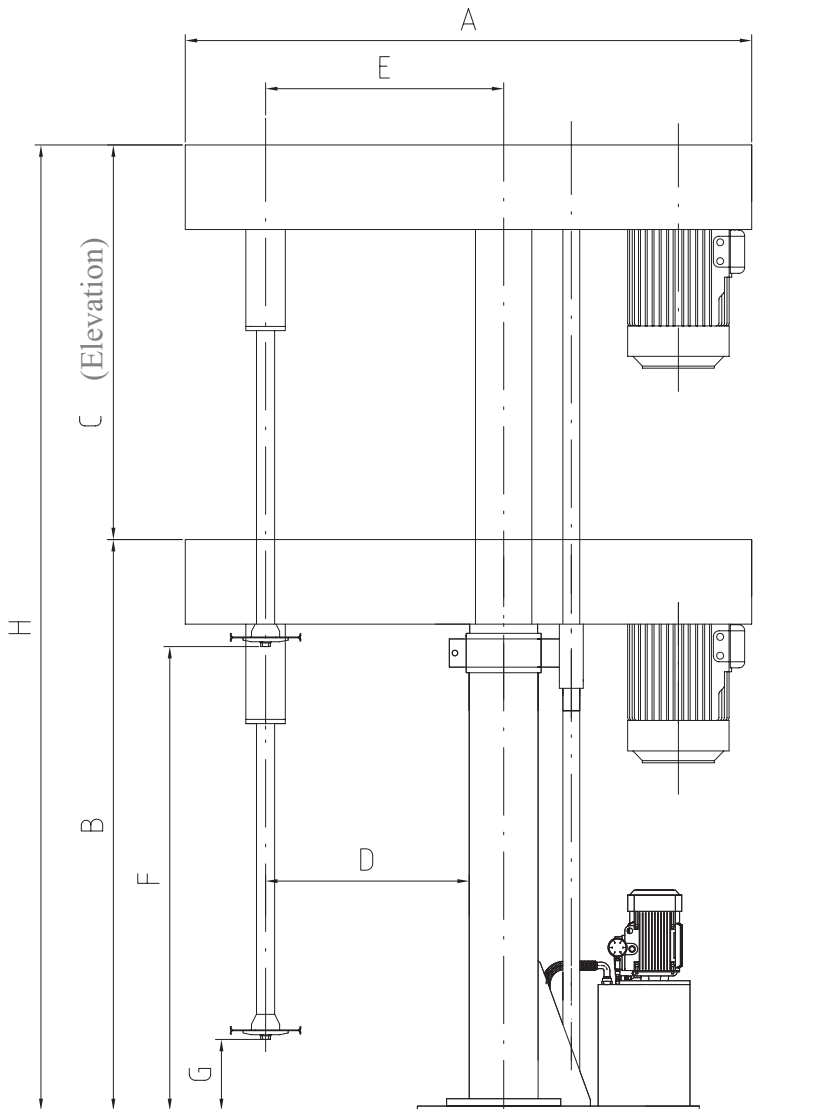
- 1. Hydraulic unit:** Hydraulic unit with high capacity for pumping and adjustable flow. The speed for lowering and lifting the unit can be controlled independently.
- 2. Elevation Hydraulic Cylinder:** New elevation and lowering system of agitator unit by means of hydraulic cylinder plunger type with anti-leak sealing system.
- 3. Lock bar:** The lock bar is installed in the rear side of the lifting unit. This feature enables the collocation of containers of larger diameters on the disperser shaft.
- 4. Motor:** Motors with IP55 protection and ATEX II 2G EEx-d IIB flameproof.
- 5. Spherical support:** for self-levelling system
- 6. Cap guide:** big length (more fixed and less effort)
- 7. Transmission system:** System of transmission of motor power to agitator shaft TAPER-like with grooves included by default. Static and dynamic balance and excellent performance in loading hits, crashes and vibrations.
- 8. Loading hole without maintenance** that includes permanently self-lubricated bearings without seal ring, as it does not need an oil tank.
- 9. Agitator shaft:** the Disperser strong building and specially the impeller shaft, made of chromed plated steel and oversized for its power transmission, gives an smooth operation free of vibrations.
- 10. Agitator disk:** Cowless disks, made of stainless steel AISI-316 designed to be adjustable to sizes of main producers of this kind of machines.
- 11. Speed of disperser disk** can be adjusted continuously, and with a working position according to process requirements. Speed is controlled with a potentiometer and R.P.M of agitator disk can be checked in a highly bright display. This is possible in our UVI DISSOLVER as it has an electronic frequency controller located in a speed control panel, a digital display and an off-on button that enable the adjustment of speed of agitator disk.
- 12. The electronic speed controller unit** is a frequency converter of vector type which supplies the exact amount of energy to the agitator disk according to the process in operation. This enables a saving of energy of 40%.
If unit is working in a classified area, control panel must be installed in a safe place.



Indicator (EExd) (flameproof)



Indicator IP55 (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

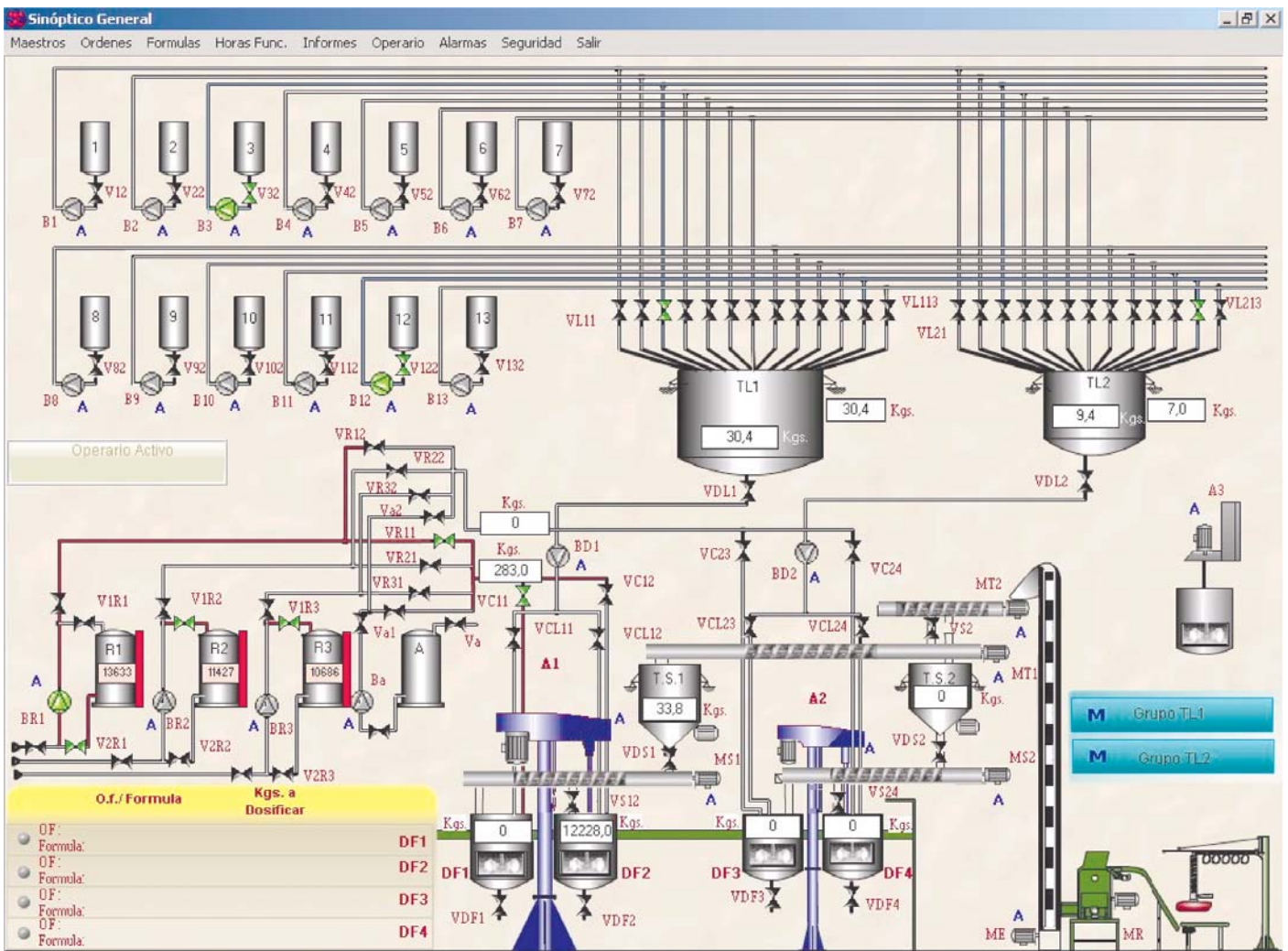
Dispersers Dimensions

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



Uvitem performs the assembling of equipment they supply and also the auxiliary facilities required for the storage or activities performed with liquids or solids that enables the right operation of facilities, either manual or automatic.

Control system supplied by **Uvitem** is easy to use as it has been made with Windows environment.



Example: Diagram of automatic operation plant.