

Coaxial Dissolver

general features

The COAXIAL DISSOLVER is a high-speed disperser of robust construction and smooth, vibration-free operation.

It is the ideal equipment for all mixing and dispersion operations of medium and high viscosity products (up to 1 million cP), regardless of their rheology.

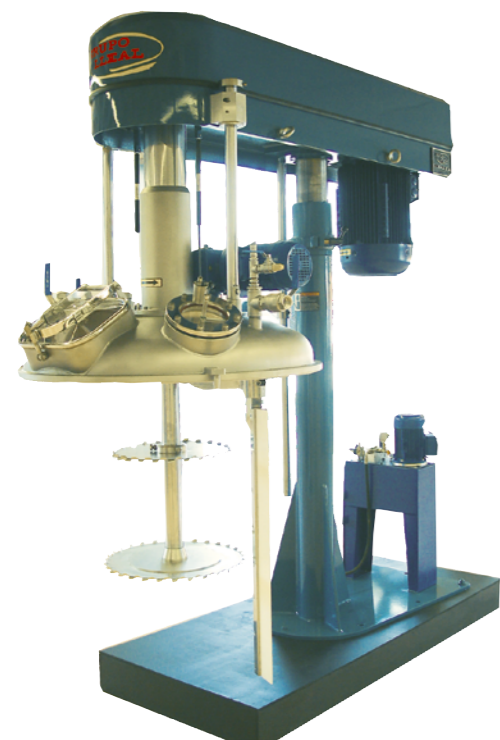
They are high-performance units, equipped with two agitation systems, with independent motors and adjustable speed. The central main shaft consists of a Cowles-type disperser disc with high shearing power. Additionally, it has a coaxial drive blade, which rotates around the tank, pushing the product towards the vortex generated by the turbine. Thus, the entire product is effectively dispersed; there are no dead zones in the product mass to be processed, nor turbine cavitation.

A scraper, usually made of PTFE, adjustable to the inside diameter of the tank, is installed at the end of the paddle to sweep the walls and prevent impurities from building up.

It has two types of tank clamping: a centering support installed on the structure with a belt and pressure mechanism, or two adjustable arms with a handwheel, equipped at their ends with articulated jaws to surround the tank. Both systems can be adapted to different tank diameters, up to a maximum diameter of 1200 mm.

For processes that require it, this equipment can incorporate a lid prepared to work under vacuum.

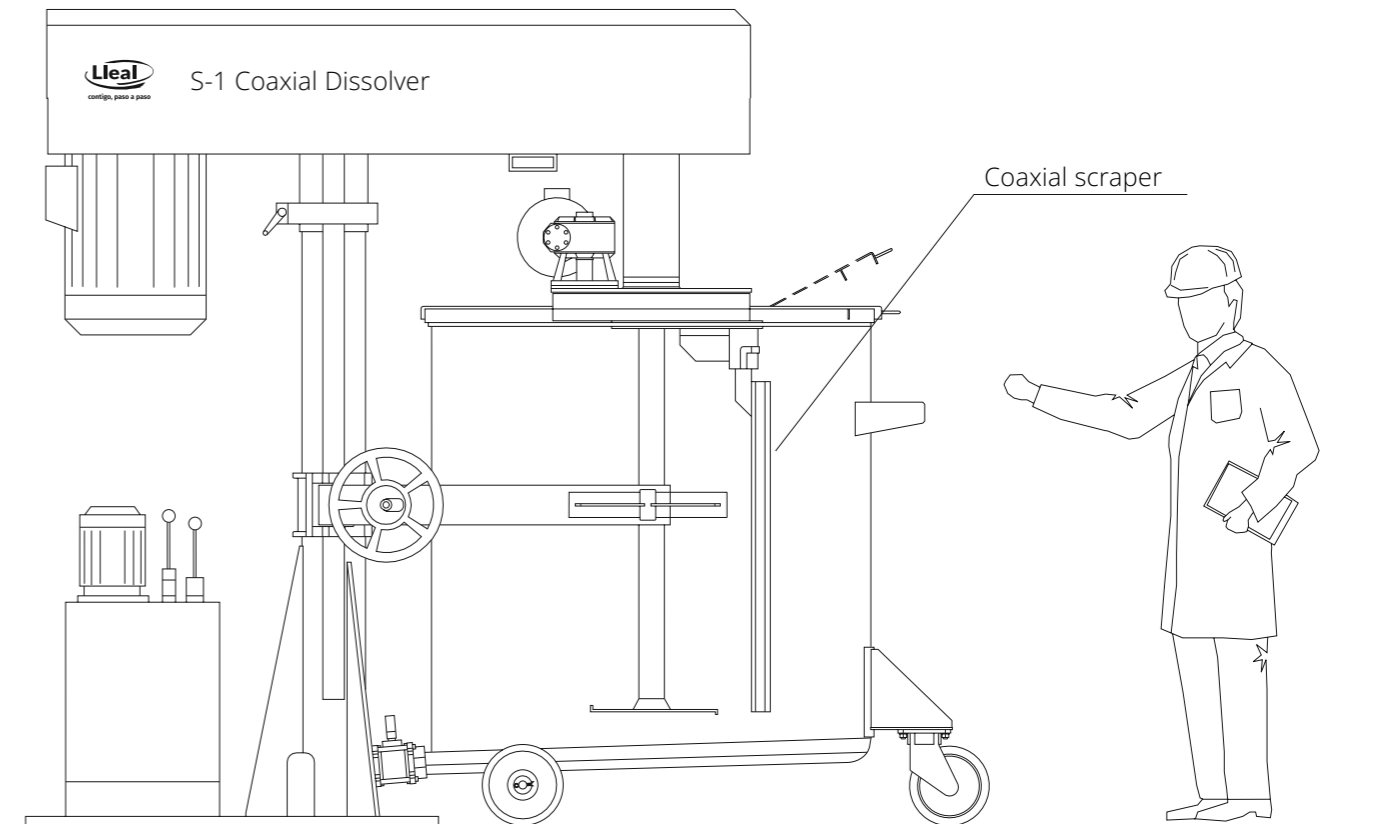
Especially suitable for high viscosity paints, putties, adhesives, resins, and rubber.



45 kW coaxial dissolver prepared for vacuum operation



Coaxial dissolver of 18,5 kW with clamping arms and jaws. Atmospheric lid.



Technical data

Model	Power (kW)		Speed range (rpm)	Ø coupled turbines (mm)	Tank maximum capacity (L)		Weight (Kg)
	Turbine	Scraper			Mixing	Dispersion	
S1	18,5	1.5	500 - 1,500	250 - 300 - 350	1,000	750	1,800
S2	37 - 45	1.5	500 - 1,500	300 - 350 - 400	1,200	1,000	1,875