

## 1.1. SM SERIES HIGH SPEED DISSOLVERS MIXERS

### AREAS OF USE

These type of dissolvers are developed to be applied where homogenization and dispersion is needed, such as paints, construction chemicals, floor coatings, plasters, printing inks, pigment pastes, adhesives fillers, mastics casting components, composite materials, cosmetic products, food products and pesticides.



### STANDARD SPECIFICATIONS

These type of dissolvers are either floor mounted or platform mounted after a certain capacity. They can be used with fixed vessels or movable (mobile) vessels. In addition to our standard models, they can be produced for your projects according to your desired capacity and engine power. They have variable speed adjustment with Frequency Inverter technology. They can move up and down over their bodies with an electro-hydraulic system, and they can make mixing at the desired height. They have cooling engines adapted to the main electric motor, which allows long-term operation at low speeds. It has a time-adjusted mixing ability as a standard specification.

### OPTIONAL SPECIFICATIONS

There are some optional specifications like vessel side and bottom scraper system, movable and automatic vacuum system, ex-proof design in ATEX Zone 1 EEx dIIB T4 standards, Double type disc. Temperature measurement system, automatic up and down of the dissolver according to the level of the product in the mixing vessel, load-cell weighing system, recipe controlled semi-automatic or fully automatic PC/PLC control system.

Machine Type	SM 3-L	SM 10-L	SM 50	SM100	SM 200	SM 300	SM 500	SM 1	SM 2
Main Motor (Kw)	1,1-1,5	1,5-3	4-7,5	5,5-11	7,5-15	11-22	15-45	30-75	55-90
Mixing Speed (rpm)	0-3000	0-3000	0-1500	0-1500	0-1500	0-1500	0-1500	0-1500	0-1500
Total Volume (Lt)	3	10	50	100	200	300	500	1000	2000
Efficient Volume (Lt)	0,6-2,4	2,8	10-40	20-80	40-160	60-240	100-400	200-800	400-1600

\* For higher capacity models, see platform type mixers.