

3. PLANETARY MIXER MACHINES

3.1. SPK SERIES PLANETARY MIXER MACHINES

AREAS OF USE

The planetary mixers are machines which are often preferred in the manufacturing of products having medium-range viscosity. They are commonly used in the pharmaceutical and food sector as well as in the production of construction chemicals, paste, silicone, sealant, pastry, sealing and sealing components, adhesive, plastisol and polyurethane based products.



STANDARD SPECIFICATIONS

In addition to rotating around its own axis, these machines with a planetary mixing system have two mixing shafts that move around in the vessel by rotating the block to which it is connected. An efficient and homogeneous mixture is provided in a very short time by the movement of the product from top to bottom and from bottom to top in the vessel with the help of wings placed at various angles on these shafts. Apart from the mixing shafts, the scraper arm is also of great advantage in drawing the product in the regions close to the vessel side wall. It has a variable-speed adjustment with the frequency inverter technology. Aside from the ability to move up and down over their body with the electro-hydraulic system, they have the ability to mix at the desired height. There are cooling motors that are adapted to the main electric motor, allowing long-term operation at low speeds. Time adjusted mixing is a standard specification.

OPTIONAL SPECIFICATIONS

There are some optional specifications such as 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 mixer 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	SPK 50-I	SPK 250-I	SPK 500-I	SPK 1000-I	SPK 1500-I	SPK 2000-I
Main Engine Power (Kw)	2,2 - 5,5	5,5 - 15	15 - 45	30 - 75	45 - 90	55 - 110
Mixing Speed (rpm)	0-80	0-80	0-80	0-80	0-80	0-80
Total Volume (Lt)	50	250	500	1000	1500	2000
Efficient Volume (Lt)	10 - 40	50 - 200	100 - 400	200 - 800	300 - 1200	400 - 1600