

IBC mixers are ideal solutions for products that need to be agitated before use in order to obtain homogenous consistency, particularly for liquids prone to phase separation.

#### Application

- The mixers are designed for containers with 1000L capacity and  $\geq Dn150$  filling openings.
- Used for agitating, homogenizing and dissolving.
- ATEX explosion-proof version for Zone 1.



Mixer with a pneumatic drive



Mixer with an electric drive with speed control via an inverter

#### Benefits

- Wetted parts are manufactured in 1.4571 (316Ti) stainless steel, approved for food contact.
- Sockets for forklift handling.
- Electric or pneumatic drive versions available.
- Electric-driven mixers can be provided with stepless speed control via an inverter.

## Design

- **Mixer drive** - a bevel gear (worm gear) with an electric motor is used as a standard. Motor parameters, i.e. torque, power and speed, are adjusted individually, depending on fluids used by the customer.

- **Body (cross-beam)** - St3 grade steel, powder-coated. Stainless and acid-resistant steel version available. Mixer body provided with handles for manual removal of the unit from the container.

The mixer is also provided with special socket for forklift used to remove the mixer. A lifting eye can be also installed for winch operation.

- **Electrical control** - ensures safe operation of the unit. Compliance with applicable standards. A mixer can be provided with inverter's stepless speed control on customer's demand.

- **Impeller** - adjusting to container opening size. The minimum hole size is DN150. Mixer blades are automatically extended under the centrifugal force and fluid resistance. The impeller is made in stainless steel.



Equipment parameters depend on mixed liquids, physical properties, particularly viscosity and density.

Drive	Electric			Pneumatic
Type	MKE-500	MKE-2 000	MKE-10 000	MKP-5 000
Max. viscosity [mPas]	500	2 000	10 000	5 000
Power [kW]	0,75	0,75	1,5	1.1
Supply	230V or 400V	230V or 400V	400V	6 bar
Speed [rpm]	900	150/200/280	150/200/280	100-300
Standard version price € net	1.500	1.550	1.660	2.180
Inverter version price € net	2.250 (Speed 140-280rpm)	2.300 (Speed 140-280rpm)	2.460 (Speed 140-280rpm)	-
ATEX version price € net	-	2.990	2.990	2.395