

# TOTE TANK MIXERS

Geppert Rührtechnik has designed tote tank mixers for all plastic and stainless steel IBCs with a capacity of 400 to 1,500 liters. They are delivered including traverse with rapid clamping system for plastic IBC. The mixing elements fit to all filling holes of a minimum diameter of 150 mm. Versions with explosion protection for the explosive zones 0 or 1 are also available.



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INNOVATIVE MIXING SOLUTIONS.

## CR-E

### Electric tote tank mixer for plastic IBCs

The tote tank mixers by Geppert Rührtechnik are designed for operation on steel-caged containers with filling openings of 150 mm and volumes from 600 l up to 1,200 l. The customer may choose between various viscosity-related basic versions of fast-running and slow-running mixers with electric drives. The agitator shafts are connected to the drive shafts with sleeve couplings or borne within the gear's hollow shaft (worm gears). The agitator shafts are balanced for concentric run after assembly.

The mixer is mounted on a container traverse bridge, which is included in the scope of supply and clamped with a rapid fixing system to the cage frame of the IBC. The plastic bulk of the container is therefore not harmed by any static or dynamic loads by the agitator. The fixing of the traverse bridge is adjustable for various container models.

- ① The impellers are designed to fit through the filling opening 150 mm when being inserted.
- ① The electric container mixers are delivered with on-/off-switches with low-voltage breaker. The electric container mixers can also be supplied with frequency converter drives.
- ① Explosion-proof mixers are also feasible.



CR-E 6/0.75 with traverse bridge

#### Technical data:

Product type [CR-E]	Capacity [l]	Viscosity [max. mPas]	Power [max. in kW]	Speed [approx. rpm]	Supply [V]	Shaft [d x Lmax in mm]	Mixing element 1		Mixing element 2	
							Diameter [mm]	Type	Diameter [mm]	Type
CR-E 4/0.75	650	500	0.75	1,500	230/400	20 x 800	125	Propeller	125	Propeller
CR-E 6/0.75	1,000	500	0.75	1,000	230/400	20 x 1,000	150	Propeller	150	Propeller
CR-E 200/0.75	650	2,000	0.75	200	230/400	30 x 800	350	Folding propeller	140	Impeller for remains
CR-E 200/0.75	1,000	2,000	0.75	200	230/400	30 x 1,000	350	Folding propeller	140	Impeller for remains
CR-E 300/1.5	1,000	10,000	1,50	300	230/400	25 x 1,000	350	Folding propeller	140	Impeller for remains

Other solutions for this series upon request.

# CRP-E

## Pneumatic container mixer for plastic IBCs

The container mixer CRP-E is equipped with a pneumatic drive. It has been especially designed for plastic IBCs with filling openings of at least 150 mm and volumes from 600 l up to 1,200 l. The fast running pneumatic agitators are equipped with bearing and coupling housings. By means of the maintenance unit, pressurized air is enriched with oil for the vane drive.

The mixer is mounted on a container traverse bridge, which is included in the scope of supply and clamped with a rapid fixing system to the cage frame of the IBC. The plastic bulk of the container is therefore not harmed by any static or dynamic loads by the agitator



- ① Folding propellers that fit through the filling opening DN 150 mm are used for geared agitators.
- ① The agitator shafts are connected to the drive shafts with sleeve couplings or borne within the gear's hollow shaft (worm gears).
- ① The agitator shafts are balanced for concentric run after assembly.

### Technical data:

Produkttype [CP-E]	Capacity [l]	Viscosity [max. mPas]	Power [max. in kW]	Speed [approx. rpm]	Supply [V]	Shaft [d x Lmax in mm]	Mixing element 1		Mixing element 2	
							Diameter [mm]	Type	Diameter [mm]	Type
CRP-E 3000/1.0-A5	650	500	0.50	3,000	1/4	20 x 800	125	Propeller	–	–
CRP-E 3000/2.5-A6	1,000	1,000	1.00	3,000	1/2	20 x 1,000	150	Propeller	–	–
CRP-E 400/1.0	650	2,000	0.50	400	1/4	30 x 800	200	Folding propeller	140	Impeller for remains
CRP-E 400/2.5	1,000	2,000	1.00	400	1/2	30 x 1,000	275	Folding propeller	140	Impeller for remains
CRP-E 600/1.0	650	5,000	0.50	600	1/4	25 x 800	200	Folding propeller	140	Impeller for remains
CRP-E 600/2.5	1,000	5,000	1.00	600	1/2	25 x 1,000	275	Folding propeller	140	Impeller for remains

Further solutions upon request.

## CR-M

### Electric tote tank mixer for stainless steel IBCs

The container mixers by Geppert Rührtechnik are designed for operation on stainless steel containers with filling openings of DN 400 mm and mixing volumes from 400 l up to 1,500 l. Depending on the viscosity of the mixing material, CR-Ms with fast running or gear reduced drives are available. The agitator shafts are connected to the drive shafts with sleeve couplings or borne within the gear's hollow shaft (worm gear). The agitator shafts are balanced for concentric run after assembly.

The mixer is mounted on the container's manway lid, which is clamped with butterfly screws or a clamp ring. The manway lid is supplied by the container manufacturer or by the customer. The impellers are designed to fit through the filling opening DN 400 when being inserted.

- ① The electric container mixers are delivered with on-/off-switches with low-voltage breaker. The electric container mixers can also be supplied with frequency converter drives.
- ① All CR-M series mixers can be supplied as follows:
  - Lid
  - Explosion-protection design



CR-M 200/0.75  
with pitched blade  
turbine

#### Technical data:

Produkttyp [CR-M]	Capacity [l]	Viscosity [max. mPas]	Power [max. in kW]	Speed [approx. rpm]	Supply [V]	Shaft [d x Lmax in mm]	Mixing element 1		Mixing element 2	
							Diameter [mm]	Type	Diameter [mm]	Type
CR-M 4/0.75	650	500	0.75	1,500	230/400	20 x 800	125	Propeller	125	Propeller
CR-M 6/0.75	1,000	500	0.75	1,000	230/400	20 x 1,100	150	Propeller	150	Propeller
CR-M 200/0.75	650	2,000	0.75	200	230/400	30 x 800	350	Pitched blade turbine	–	–
CR-M 200/0.75	1,000	2,000	0.75	200	230/400	30 x 1,100	350	Pitched blade turbine	–	–
CR-M 300/1.5	1,000	10,000	1.50	300	230/400	25 x 1,100	350	Pitched blade turbine	–	–

Further solutions upon request.

# CRP-M

## Pneumatic tote tank mixer for stainless steel IBCs

The CRP-M series container mixer is featured with a pneumatic drive and it was designed for the application in stainless steel tanks with filling openings of at least 400 mm and mixing volumes of 400 l to 1,500 l. The fast running pneumatic agitators are equipped with bearing and coupling housings. By means of the maintenance unit, pressurized air is enriched with oil for the vane drive.

The mixer is mounted on the container’s manway lid, which is clamped with butterfly screws or a clamp ring. The manway lid is supplied by the container manufacturer or by the customer. The impellers are designed to fit through the filling opening of at least 400 mm when being inserted.

ⓘ All CRP-M series can be supplied as follows:

- Lid
- Muffler
- Explosion-protection design



CRP-M 3000/2.5-A6  
with propeller

### Technical data:

Produkttype [CRP-M]	Capacity [l]	Viscosity [max. mPas]	Power [max. in kW]	Speed [approx. rpm]	Supply [V]	Shaft [d x Lmax in mm]	Mixing element 1	
							Diameter [mm]	Type
CRP-M 3000/1.0-A5	650	500	0.50	3,000	1/4	20 x 800	125	Propeller
CRP-M 3000/2.5-A6	1,000	1,000	1.00	3,000	1/2	20 x 1,100	150	Propeller
CRP-M 400/1.0	650	2,000	0.50	400	1/4	30 x 800	200	Pitched blade turbine
CRP-M 400/2.5	1,000	2,000	1.00	400	1/2	30 x 1,100	275	Pitched blade turbine
CRP-M 600/1.0	650	5,000	0.50	600	1/4	25 x 800	200	Pitched blade turbine
CRP-M 600/2.5	1,000	5,000	1.00	600	1/2	25 x 1,100	275	Pitched blade turbine

Other solutions for this series upon request.

## LRK-C WITH LRK-A DRIVE

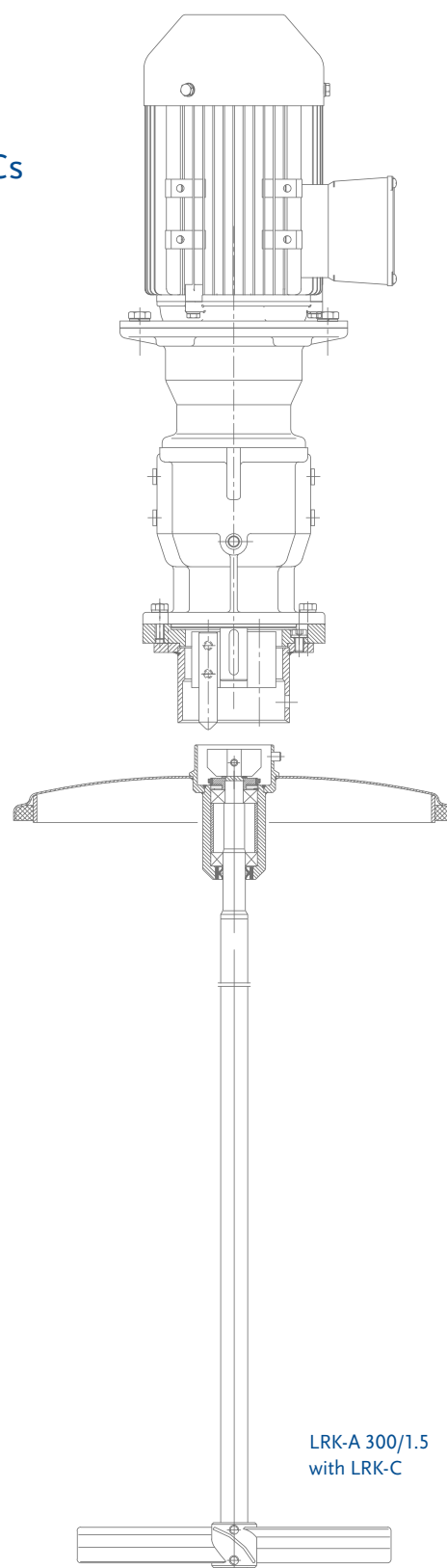
### Electrical tote tank mixers for stainless steel IBCs

The LRK-C series tote tank mixer and their drive units LRK-A are a special solution designed for operation on stainless steel containers with filling openings of at least 400 mm and mixing volumes from 400 l up to 1,500 l. The customer may choose between various viscosity-related basic versions of fast-running and slow-running mixers with electric drives.

The mixing unit that remains in the container is connected to the drive unit with a bayonet coupling and a clutch. The drive is dismountable so that one drive unit can be used for several mixer units interchangeable. The mixer is mounted on the container's manway lid, which is clamped with butterfly screws or a clamp ring. The agitator shafts are borne in a bearing housing, which is welded into the container lid on the product side.

The impellers are designed to fit through the filling opening DN 400 when being inserted.

- ① If required, the electric container mixers are delivered with on-/off-switches with low-voltage breaker.
- ① The electric container mixers can also be supplied with frequency converter drives.



#### Technical data:

Produkttype [LRK-A]	Capacity [l]	Viscosity [max. mPas]	Power [max. in kW]	Speed [approx. rpm]	Mixing unit
LRK-A 6/0.75	1,000	500	0.75	1,000	LRK-C NV
LRK-A 200/0.75	1,000	2,000	0.75	200	LRK-C HV
LRK-A 300/1.5	1,000	10,000	1.5	300	LRK-C HV

Other solutions for this series upon request.

# EQUIPMENT

## Equipment for tote tank mixers

### Equipment for tote tank mixers for plastic IBCs:

- Traverse bridge
- Lifting lug for cranes
- On-/off-switch without ex-protection
- On-/off-switch with ex-protection
- Frequency inverter controlled drive
- Maintenance unit for pneumatic drive

### Equipment for tote tank mixers for stainless IBCs:

- Container lid
- Lifting lug for cranes
- On-/off-switch without ex-protection
- On-/off-switch with ex-protection
- Frequency inverter controlled drive
- Maintenance unit for pneumatic drive

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