

# SCHWARZER

## RÜHRTECHNIK



*Denn wir wissen was wir tun...*

## IBC-AGITATORS

general overview catalog 2016



More than 30 years of experience and expertise in mixing

## Agitating, homogenising, dispersing

immediately in the IBC container

The IBC agitators made by Schwarzer Rührtechnik GmbH are universally and versatilely usable because of the mobile and uncomplicated way of construction.

We set priorities: The sophisticated construction in alliance with modern mixing technology cater for effectiveness and easy operation. It's possible to mount or demount the IBC agitator in just a few steps because of the intuitive, fast jig.

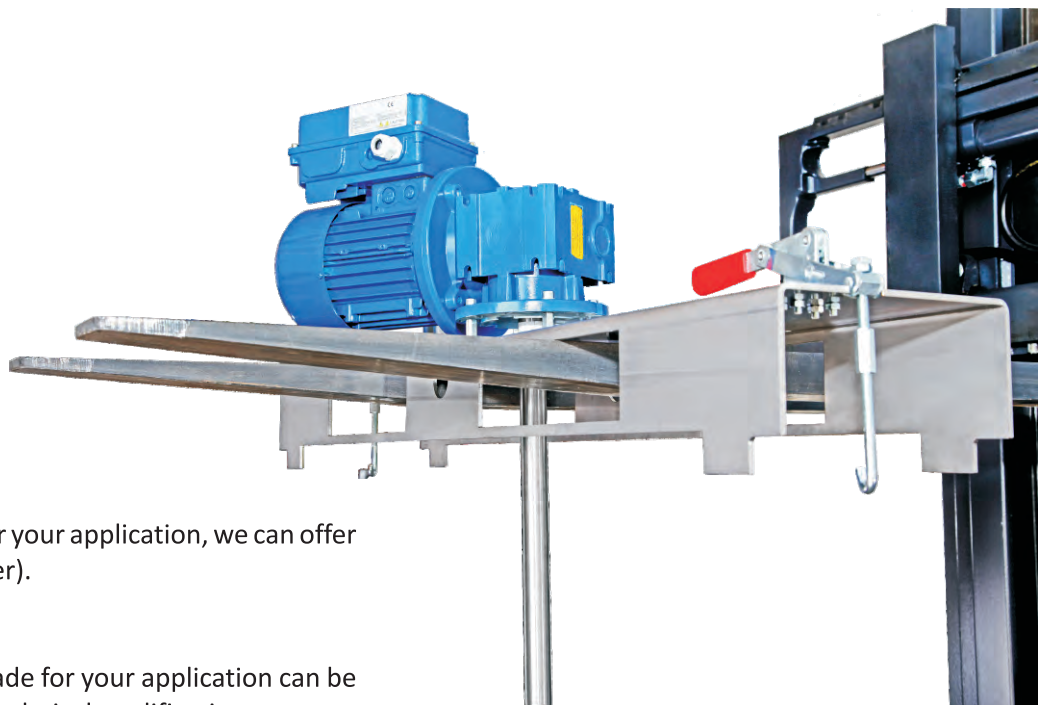
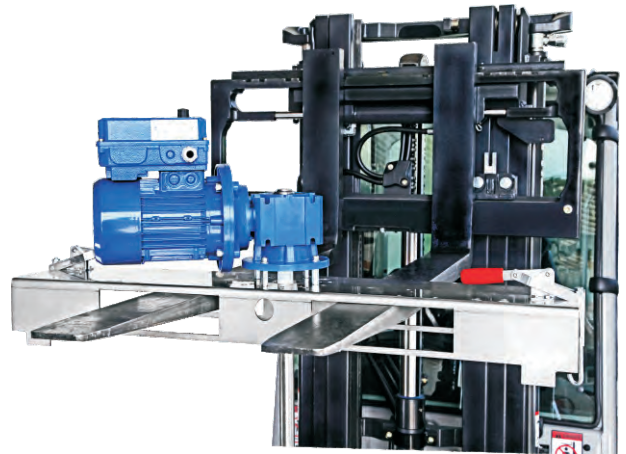
Fast delivery time, a competent service and flexibility distinguish us and our sortiment from the competition. Which agitator is suitable for our application? The medium viscosity is important and crucial for selecting the right choice. If you don't know the exact viscosity of the application, you can make an estimate by the help of the examples below. Indications are accounted below every agitator.

### List with viscosity examples:

**Water: 1 m/Pas**  
**Hairshampoo: 3000 m/Pas**  
**Buttercream: 550 m/Pas**  
**Cocoa mass: 4000 m/Pas**  
**Fruit mash: 650 m/Pas**  
**Glucose: 5000 m/Pas**  
**Gear oil SAE 90: 700 m/Pas**  
**Wood glue: 7000 m/Pas**  
**Tomato ketchup: 1000 m/Pas**  
**Honey: 10000 m/Pas**  
**Mayonnaise: 2000 m/Pas**  
**Epoxy resin: 20000 m/Pas**

If stainless steel isn't resistant for your application, we can offer you plastic coating (only propeller).

Even special models, custom made for your application can be realized. Contact us! Subject to technical modifications.



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## Articlenumber: IBC-0100

IBC high-speed mixer Type: SRT8-1500  
for medium up to 600 m/Pas. For IBC-1000 liter.

### Technical specifications:

High-speed mixer with firm,  
non-removable agitator-shaft, stirrer unscrewable.  
Material: 1.4571 V4A  
Shaftlength: 900mm  
Stirrer, 1 piece  $\varnothing = 138\text{mm}$   
Agitatorweight: ca. 16 kg  
Output: 0,75 kw  
Engine speed: 1410 rpm  
Voltage: 400V/50Hz/Iso.F/IP55/S1/IE2  
Traverse stainless steel 1.4301  
with 2 tenterhooks and 2 carrying handles.  
For IBC-1000 liter.  
CEE-plug switch on the traverse  
with no-voltage release and phase inverter.

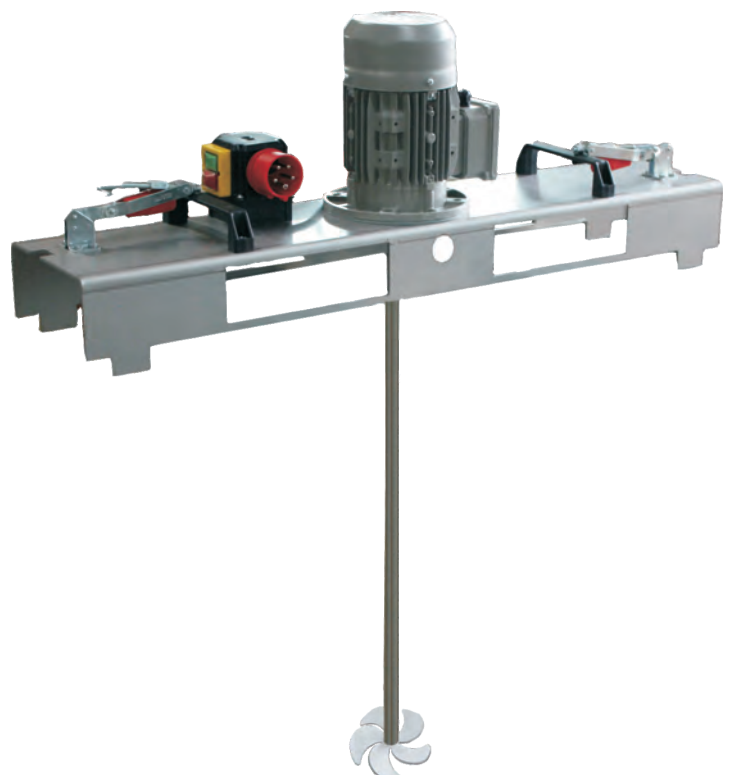


## Articlenumber: IBC-0110

IBC high-speed mixer Type: SRT8-1500  
for medium up to 600 m/Pas. For IBC-1000 liter.

### Technical specifications:

High-speed mixer with firm,  
non-removable agitator-shaft, stirrer unscrewable.  
Material: 1.4571 V4A  
Shaftlength: 900mm  
Stirrer, 1 piece  $\varnothing = 138\text{mm}$   
Agitatorweight: ca. 16 kg  
Output: 0,75 kw  
Engine speed: 1410 rpm  
Voltage: 400V/50Hz/Iso.F/IP55/S1/IE2  
Traverse stainless steel 1.4301  
with 2 tenterhooks and 2 carrying handles.  
Traverseheight 100mm.  
For IBC-1000 liter.  
CEE-plug switch on the traverse  
with no-voltage release and phase inverter.



## Articlenumber: IBC-0140

IBC high-speed mixer Type: SRT8-1500-Vario  
for medium up to 600 m/Pas. For IBC-1000 liter



### Technical specifications:

High-speed mixer with firm,  
non-removable agitator shaft,  
stirrer unscrewable.  
Material: 1.4571 V4A  
Shaft length: 900mm  
Stirrer: 1 piece  $\varnothing = 138\text{mm}$   
Agitator weight: ca. 18 kg  
Compact frequency inverter IP54  
Input 1PH 230V 50 Hz or  
Input 3PH 400V 50 Hz  
Release switch and potentiometer  
for stepless engine speed regulation.  
(15-50 Hz) motor 0,75 kw 1410 rpm.  
Traverse stainless steel 1.4301,  
with 2 tenterhooks and 2 carrying handles.  
For IBC-1000 liter.  
Plug switch on the traverse with no-voltage release.

## Articlenumber: IBC-0150

IBC high-speed mixer Type: SRT8-1500-Vario  
for medium up to 600 m/Pas. For IBC-1000 liter



### Technical specifications:

High-speed mixer with firm,  
non-removable agitator shaft,  
stirrer unscrewable.  
Material: 1.4571 V4A  
Shaft length: 1000mm  
Stirrer: 1 piece  $\varnothing = 138\text{mm}$   
Agitator weight: ca. 18 kg  
Compact frequency inverter IP54  
Input 1PH 230V 50 Hz. or  
Input 3PH 400V 50 Hz.  
Release switch and potentiometer  
for stepless engine speed regulation.  
(15-50 Hz) motor 0,75 kw 1410 rpm.  
Forklifttraverse stainless steel 1.4301,  
with 2 holes for forklift forks,  
with 2 tenterhooks and 2 carrying handles.  
Traverseheight: 100mm  
Plug switch on the traverse with no-voltage release.



## Articlenumber: IBC-0160

Spur gears agitator Type: SRTGMK/1,5-270

For IBC-1000 liters. Medium up to 5000 m/Pas

### Technical specifications:

1,5 kw 270 rpm Motor: 400V 3PH / 50 Hz / IP55 / IE2

Motor and gear in latest aluminium technology.

Powerful, massive agitator shaft with grooved sleeve coupling

attached to the gear. 1 piece 4-blade-folding stirrer 1.4571

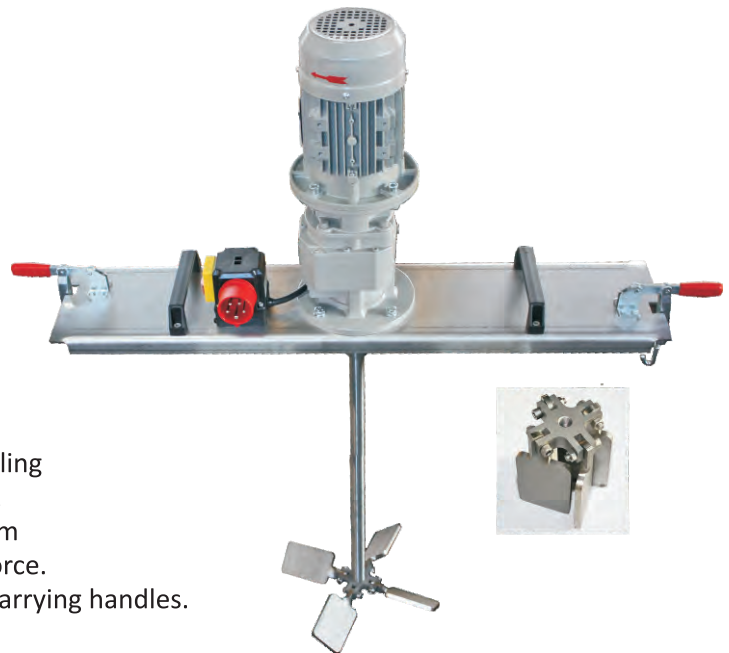
V4A stirrer insertable through container opening  $\varnothing=140\text{mm}$

The stirrer blades fold automatically through centrifugal force.

Traverse stainless steel 1.4301, with 2 tenterhooks and 2 carrying handles.

For IBC-1000 liter.

CEE plug switch on the traverse with no-voltage release and phase inverter.



## Articlenumber: IBC-0170

Spur gears agitator Type: SRTGMK/1,5-270

For IBC-1000 liters. Medium up to 5000 m/Pas

### Technical specifications:

1,5 kw 270 rpm Motor: 400V 3PH / 50 Hz / IP55 / IE2

Motor and gear in latest aluminium technology.

Powerful, massive agitator shaft with grooved sleeve coupling  
attached to the gear.

1 piece 4-blade-folding stirrer 1.4571

V4A stirrer insertable through container opening  $\varnothing=140\text{mm}$

The stirrer blades fold automatically through centrifugal force.

Traverse stainless steel 1.4301, with 2 tenterhooks and 2 carrying handles.

Traverseheight 100mm.

For IBC-1000 liter.

CEE plug switch on the traverse with no-voltage release and phase inverter.



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## Articlenumber: IBC-0180

Spur gears agitator Type: SRTGMK/1,5-270  
For IBC-1000 liters. Medium up to 5000 m/Pas



### Technical specifications:

1,5 kw 270 rpm Motor: 400V 3PH / 50 Hz / IP55 / IE2  
Motor and gear in latest aluminium technology.  
Powerful, massive agitator shaft with grooved sleeve coupling attached to the gear.  
1 piece SRT-Fluidjet-2-arm beaker stirrer 1.4571 V4A stirrer insertable through container opening  $\varnothing=140\text{mm}$   
The stirrer blades fold automatically through centrifugal force.  
Traverse stainless steel 1.4301, with 2 tenterhooks and 2 carrying handles.  
For IBC-1000 liter.  
CEE plug switch on the traverse with no-voltage release and phase inverter.

## Articlenumber: IBC-0190

Spur gears agitator Type: SRTGMK/1,5-270  
For IBC-1000 liters. Medium up to 5000 m/Pas



### Technical specifications:

1,5 kw 270 rpm Motor: 400V 3PH / 50 Hz / IP55 / IE2  
Motor and gear in latest aluminium technology.  
Powerful, massive agitator shaft with grooved sleeve coupling attached to the gear.  
1 piece SRT-Fluidjet-2-arm beaker stirrer 1.4571 V4A stirrer insertable through container opening  $\varnothing=140\text{mm}$   
The stirrer blades fold automatically through centrifugal force.  
Forklifttraverse stainless steel 1.4301, with 2 tenterhooks and 2 carrying handles.  
Traverseheight 100mm.  
For IBC-1000 liter.  
CEE plug switch on the traverse with no-voltage release and phase inverter.

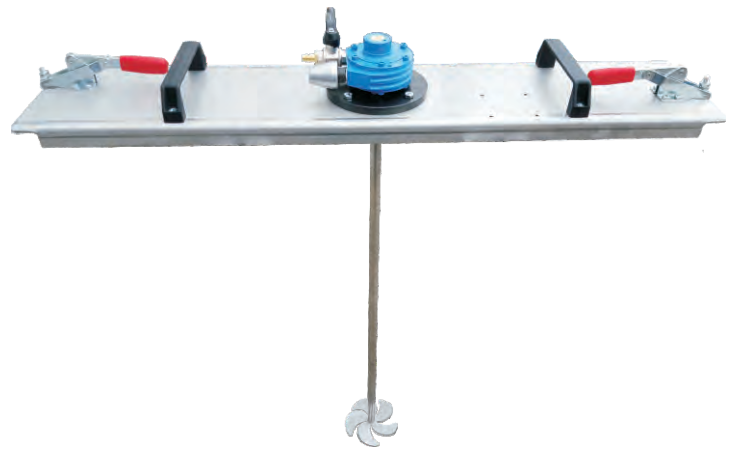


## Articlenumber: IBC-0120

High-speed mixer Type: SRTPN/2,7-3000  
For IBC 1000 liter. Medium up to 800 m/Pas

### Technical specifications:

Agitator shaft removable through sleeve coupling.  
Stirrer, 1 piece  $\varnothing = 138\text{mm}$   
Agitator weight: ca. 14 kg  
Pneumatics engine 300-3000 rpm  
2,7 kw at 6 bar.  
For intermittently usage.  
Continuous operation only with dry / cooled air supply.  
Motor with turncock for air supply adjustment.  
Traverse stainless steel 1.4301,  
with 2 tenterhooks and 2 carrying handles.



## Articlenumber: IBC-0130

High-speed mixer Type: SRTPN/0,67-3000  
For IBC 1000 liter. For watery mediums.

### Technical specifications:

Agitator shaft removable through sleeve coupling.  
Stirrer, 1 piece  $\varnothing = 125\text{mm}$   
Agitator weight: ca. 11 kg  
Pneumatics engine 300-3000 rpm  
0,67 kw at 6 bar.  
For intermittently usage.  
Continuous operation only with dry / cooled air supply.  
Motor with turncock for air supply adjustment.  
Traverse stainless steel 1.4301,  
with 2 tenterhooks and 2 carrying handles.



## Articlenumber: IBC-0200

Worm gears agitator Type: SRTSI/0,75-190  
For IBC-1000 liter. Medium up to 2000 m/Pas



### Technical specifications:

0,75 kw 190 rpm motor:  
400V 3PH / 50 Hz. / IP55 / IE2  
Motor and gear in latest aluminium technology.  
Powerful, massive infed agitator shaft.  
1 piece 4-blade folding stirrer.  
Stirrer insertable through container opening  $\varnothing=140\text{mm}$   
The stirrer blades fold automatically  
through centrifugal force.  
Traverse stainless steel 1.4301, with 2 tenterhooks  
and 2 carrying handles.  
For IBC-1000 liter.  
CEE plug switch on the traverse with no-voltage  
release and phase inverter.

## Articlenumber: IBC-0210

Worm gears agitator Type: SRTSI/0,75-190  
For IBC-1000 liter. Medium up to 2000 m/Pas



### Technical specifications:

0,75 kw 190 rpm motor:  
400V 3PH / 50 Hz. / IP55 / IE2  
Motor and gear in latest aluminium technology.  
Powerful, massive infed agitator shaft.  
1 piece 4-blade folding stirrer.  
Stirrer insertable through container opening  $\varnothing=140\text{mm}$   
The stirrer blades fold automatically  
through centrifugal force.  
Forkliftraverse stainless steel 1.4301, with 2 tenterhooks  
and 2 carrying handles,  
with 2 holes for forklift forks, traverseheight: 100mm  
For IBC-1000 liter.  
CEE plug switch on the traverse with no-voltage  
release and phase inverter.



## Articlenumber: IBC-0220

Worm gears agitator Type: SRTSI/0,75-190

For IBC-1000 liter. Medium up to 3000 m/Pas

### Technical specifications:

0,75 kw 190 rpm motor:

400V 3PH / 50 Hz. / IP55 / IE2

Motor and gear in latest aluminium technology.

Powerful, massive infeed agitator shaft.

1 piece SRT-Fluidjet-2-arm beaker stirrer 1.4571

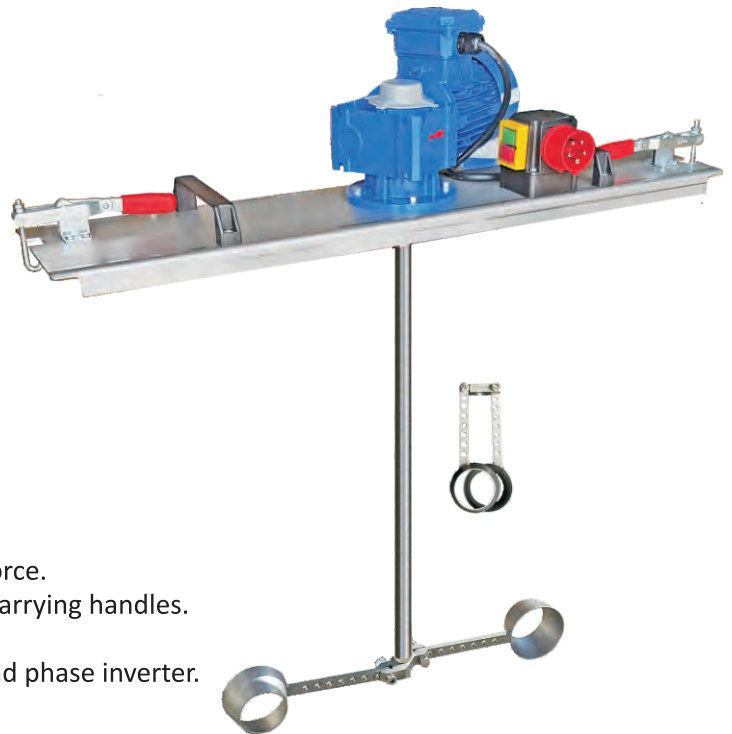
Stirrer insertable through container opening  $\varnothing=140\text{mm}$

The stirrer blades fold automatically through centrifugal force.

Traverse stainless steel 1.4301, with 2 tenterhooks and 2 carrying handles.

For IBC-1000 liter.

CEE plug switch on the traverse with no-voltage release and phase inverter.



## Articlenumber: IBC-0230

Worm gears agitator Type: SRTSI/0,75-190

For IBC-1000 liter. Medium up to 3000 m/Pas

### Technical specifications:

0,75 kw 190 rpm motor:

400V 3PH / 50 Hz. / IP55 / IE2

Motor and gear in latest aluminium technology.

Powerful, massive infeed agitator shaft.

1 piece SRT-Fluidjet-2-arm beaker stirrer 1.4571

Stirrer insertable through container opening  $\varnothing=140\text{mm}$

The stirrer blades fold automatically through centrifugal force.

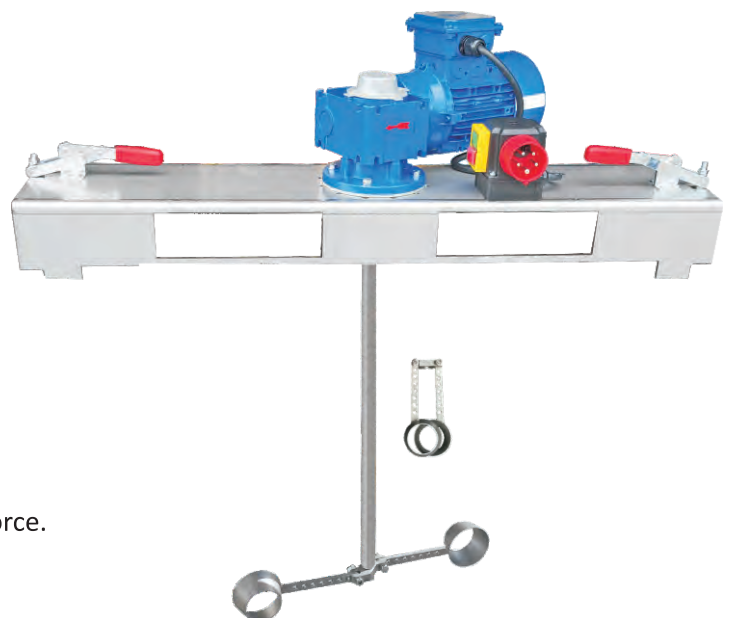
Forklifttraverse stainless steel 1.4301,

with 2 tenterhooks and 2 carrying handles,

with 2 holes for forklift forks, traverseheight: 100mm

For IBC-1000 liter.

CEE plug switch on the traverse with no-voltage release and phase inverter.



## Articlenumber: IBC-0205

Worm gears agitator Type: SRTSI/0,75-190  
For IBC-1000 liter. Medium up to 2000 m/Pas

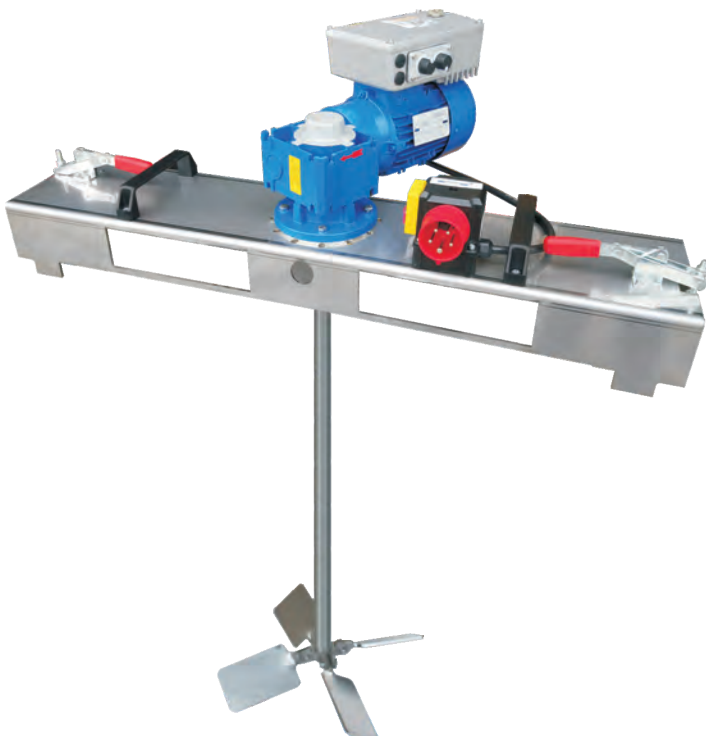


### Technical specifications:

0,75 kw 190 rpm  
Motor: 400V 3PH / 50 Hz. / IP55 / IE2  
Motor and gear in latest aluminium technology.  
Powerful, massive infeed agitator shaft.  
1 piece 4-blade folding stirrer.  
Stirrer insertable through container opening  $\varnothing=140\text{mm}$ .  
Frequency inverter IP55 Nord,  
high-torque inverter with motor protection through  
positive temperature coefficient thermistor.  
On-/off switch, potentiometer  
Engine speed range 0-50 Hz. (0-190 rpm)  
The stirrer blades fold automatically through  
centrifugal force.  
Traverse stainless steel 1.4301,  
with 2 tenterhooks and 2 carrying handles.  
For IBC-1000 liter.  
CEE plug switch on the traverse with no-voltage release  
and phase inverter.

## Articlenumber: IBC-0215

Worm gears agitator Type: SRTSI/0,75-190  
For IBC-1000 liter. Medium up to 2000 m/Pas



### Technical specifications:

0,75 kw 190 rpm  
Motor: 400V 3PH / 50 Hz. / IP55 / IE2  
Motor and gear in latest aluminium technology.  
Powerful, massive infeed agitator shaft.  
1 piece 4-blade folding stirrer.  
Stirrer insertable through container opening  $\varnothing=140\text{mm}$ .  
The stirrer blades fold automatically through  
centrifugal force.  
Frequency inverter IP55 Nord,  
high-torque inverter with motor protection through  
positive temperature coefficient thermistor.  
On-/off switch, potentiometer  
Engine speed range 0-50 Hz. (0-190 rpm)  
Forklifttraverse stainless steel 1.4301,  
with 2 holes for forklift forks, with 2 tenterhooks  
and 2 carrying handles.  
For IBC-1000 liter.  
CEE plug switch on the traverse with no-voltage release  
and phase inverter.



## Articlenumber: IBC-0225

Worm gears agitator Type: SRTSI/0,75-190  
For IBC-1000 liter. Medium up to 3000 m/Pas

### Technical specifications:

0,75 kw 190 rpm  
Motor: 400V 3PH / 50 Hz. / IP55 / IE2  
Motor and gear in latest aluminium technology.  
Powerful, massive infeed agitator shaft.  
1 piece SRT-Fluidjet-2-arm beaker stirrer 1.4571  
The stirrer blades fold automatically through centrifugal force.  
Stirrer insertable through container opening  $\varnothing=140\text{mm}$ .  
Frequency inverter IP55 Nord,  
high-torque inverter with motor protection through  
positive temperature coefficient thermistor.  
On-/off switch, potentiometer  
Engine speed range 0-50 Hz. (0-190 rpm)  
Traverse stainless steel 1.4301, with 2 tenterhooks  
and 2 carrying handles.  
For IBC-1000 liter.  
CEE plug switch on the traverse with no-voltage release  
and phase inverter.



## Articlenumber: IBC-0235

Worm gears agitator Type: SRTSI/0,75-190  
For IBC-1000 liter. Medium up to 3000 m/Pas

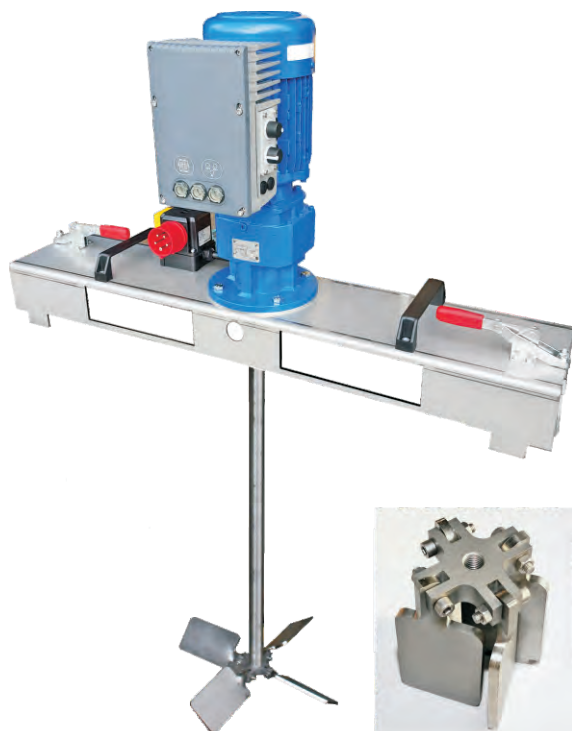
### Technical specifications:

0,75 kw 190 rpm  
Motor: 400V 3PH / 50 Hz. / IP55 / IE2  
Motor and gear in latest aluminium technology.  
Powerful, massive infeed agitator shaft.  
1 piece SRT-Fluidjet-2-arm beaker stirrer 1.4571  
Stirrer insertable through container opening  $\varnothing=140\text{mm}$ .  
The stirrer blades fold automatically through centrifugal force.  
Frequency inverter IP55 Nord,  
high-torque inverter with motor protection through  
positive temperature coefficient thermistor.  
On-/off switch, potentiometer  
Engine speed range 0-50 Hz. (0-190 rpm)  
Forklifttraverse stainless steel 1.4301, with 2 holes for forklift forks,  
with 2 tenterhooks and 2 carrying handles.  
For IBC-1000 liter.  
CEE plug switch on the traverse with no-voltage release  
and phase inverter.



## Articlenumber: IBC-0240

Spur gears agitator Type: SRTGMK/1,5-270  
For IBC 1000 liter. Medium up to 5000 m/Pas



### Technical specifications:

1,5 kw 270 rpm  
Motor: 400V 3Ph / 50 Hz. / IP55 / IE22  
Powerful, massive agitator shaft with slotted sleeve coupling attached to the gear.  
1 piece 4-blade folding stirrer 1.4571.  
The stirrer blades fold automatically through centrifugal force.  
Stirrer insertable through container opening  $\varnothing=140\text{mm}$ .  
Frequency inverter IP55 Nord,  
high-torque inverter with motor protection through positive temperature coefficient thermistor.  
On-/off switch, potentiometer  
Engine speed range 0-60 Hz. (0-300 rpm)  
Forklifttraverse stainless steel 1.4301,  
with 2 holes for forklift forks, with 2 tenterhooks and 2 carrying handles.  
Traverseheight: 100mm  
CEE plug switch on the traverse with no-voltage release and phase inverter.

## Articlenumber: IBC-0250

Spur gears agitator Type: SRTGMK/1,5-270  
For IBC 1000 liter. Medium up to 10000 m/Pas



### Technical specifications:

1,5 kw 270 rpm  
Motor: 400V 3Ph / 50 Hz. / IP55 / IE22  
Powerful, massive agitator shaft with slotted sleeve coupling attached to the gear.  
1 piece SRT-Fluidjet-2-arm beaker stirrer 1.4571.  
The stirrer blades fold automatically through centrifugal force.  
Stirrer insertable through container opening  $\varnothing=140\text{mm}$ .  
Frequency inverter IP55 Nord,  
high-torque inverter with motor protection through positive temperature coefficient thermistor.  
On-/off switch, potentiometer  
Engine speed range 0-60 Hz. (0-300 rpm)  
Forklifttraverse stainless steel 1.4301,  
with 2 holes for forklift forks, with 2 tenterhooks and 2 carrying handles.  
Traverseheight: 100mm  
CEE plug switch on the traverse with no-voltage release and phase inverter.



## Articlenumber: IBC-0260

Bevel gear agitator Type: SRTKG/2,2-270

For IBC-1000 liter. Medium up to 20000 m/Pas

### Technical specifications:

2,2 kw 270 rpm

Motor: 400V 3PH / 50 Hz. / IP55 / IE2

Motor and gear in latest aluminium technology.

Powerful, massive agitator shaft attached to gear through sleeve coupling.

1 piece SRT-Fluidjet-2-arm beaker stirrer.

The stirrer blades fold automatically through centrifugal force.

Stirrer insertable through container opening  $\varnothing=140\text{mm}$ .

Frequency inverter IP55 Nord,

high-torque inverter with motor protection through positive temperature coefficient thermistor.

On-/off switch, potentiometer

Engine speed range 0-60 Hz. (0-300 rpm)

Forklifttraverse stainless steel 1.4301,

with 2 holes for forklift forks, with 2 tenterhooks and 2 carrying handles.

Traverseheight: 100mm

CEE plug switch on the traverse with no-voltage release and phase inverter.



## Articlenumber: IBC-0270

SRT-Jet stream agitator MOVESHOCK

Guide beam system Material 1.4571

The SRT-MOVESHOCK is a jet stream agitator with stagnation pressure system, which allows a fast and efficient mixing. Usable for mediums up to 2000 m/Pas.

### Technical specifications:

The agitator shaft is stored in an enclosed pipe system.

Only the rotating stirrer is visible in the concentric cylinder.

No free rotating agitator shaft.

Agitator shaft is supported in two bearings

with shaft seal. The agitator shaft can't swing off.

Lower mediumrotation compared to conventional propeller agitators.

High efficiency.

Output: 3,0 kw | Engine speed: 1500 rpm

Voltage: 3PH 400V/50Hz/Iso.F/IP55/S1/IE2

Traverse stainless steel in forklift version

with 2 tenterhooks and 2 carrying handles.

(use carrying handles only for the traverse)

For standard IBC-Container 1000 liter.

CEE-plug switch on the traverse with no-voltage release and phase inverter.



## Articlenumber: IBC-TR04

Traverse stainless steel 1.4301 4mm thickness,  
with 2 tenterhooks and 2 carrying handles



### Technical specifications:

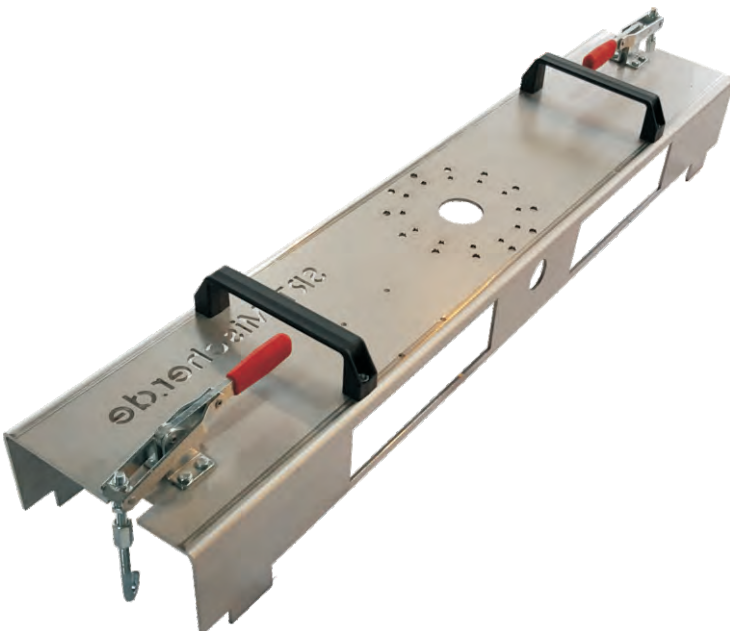
For IEC flange Ø 160mm or Ø 200mm

For IBC-1000 liter.

Up to 50 kg load capacity

## Articlenumber: IBC-TRS04

Forklifttraverse stainless steel 1.4301 4mm thickness,  
with 2 holes for forklift forks, 2 tenterhooks  
and 2 carrying handles. Traverseheight 100mm.



### Technical specifications:

For IEC flange Ø 160mm or Ø 200mm

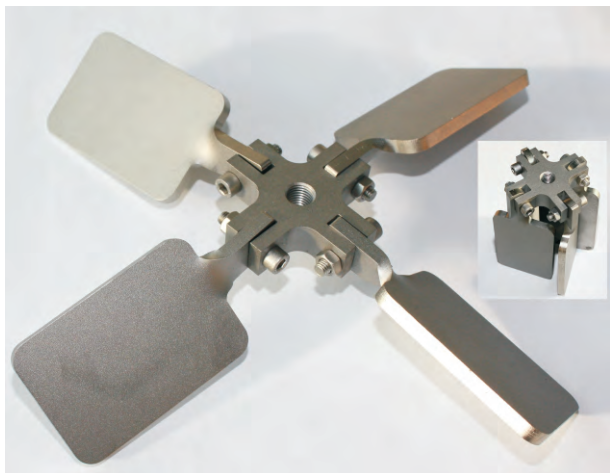
For IBC-1000 liter.

Up to 50 kg load capacity



## Articlenumber: IBC-KL340-8

4-blade folding stirrer 1.4571 Ø 340mm



### Technical specifications:

IBC-KL-340-8

M16 thread

Stirrer insertable through opening Ø 140mm.

The blades fold automatically through centrifugal force.

## Articlenumber: IBC-BEC-600

SRT-Fluidjet-2-arm beaker stirrer Ø 600mm



### Technical specifications:

M16 thread

Stirrer insertable through opening Ø 140mm.

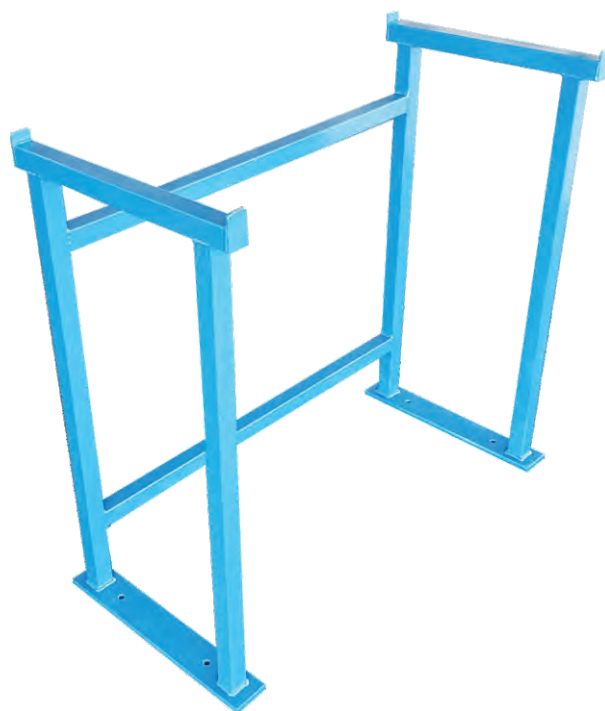
The arms open automatically through centrifugal force.

Stirrer removable without tools.

## Articlenumber: IBC-Parkstation-1000

### IBC-parkstation-1000

Parkstation steel lacquered RAL 5010  
used for depositing of the IBC agitators  
with traverse after lifting it out  
of the 1000 liter container.  
Attachment to the ground possible.





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