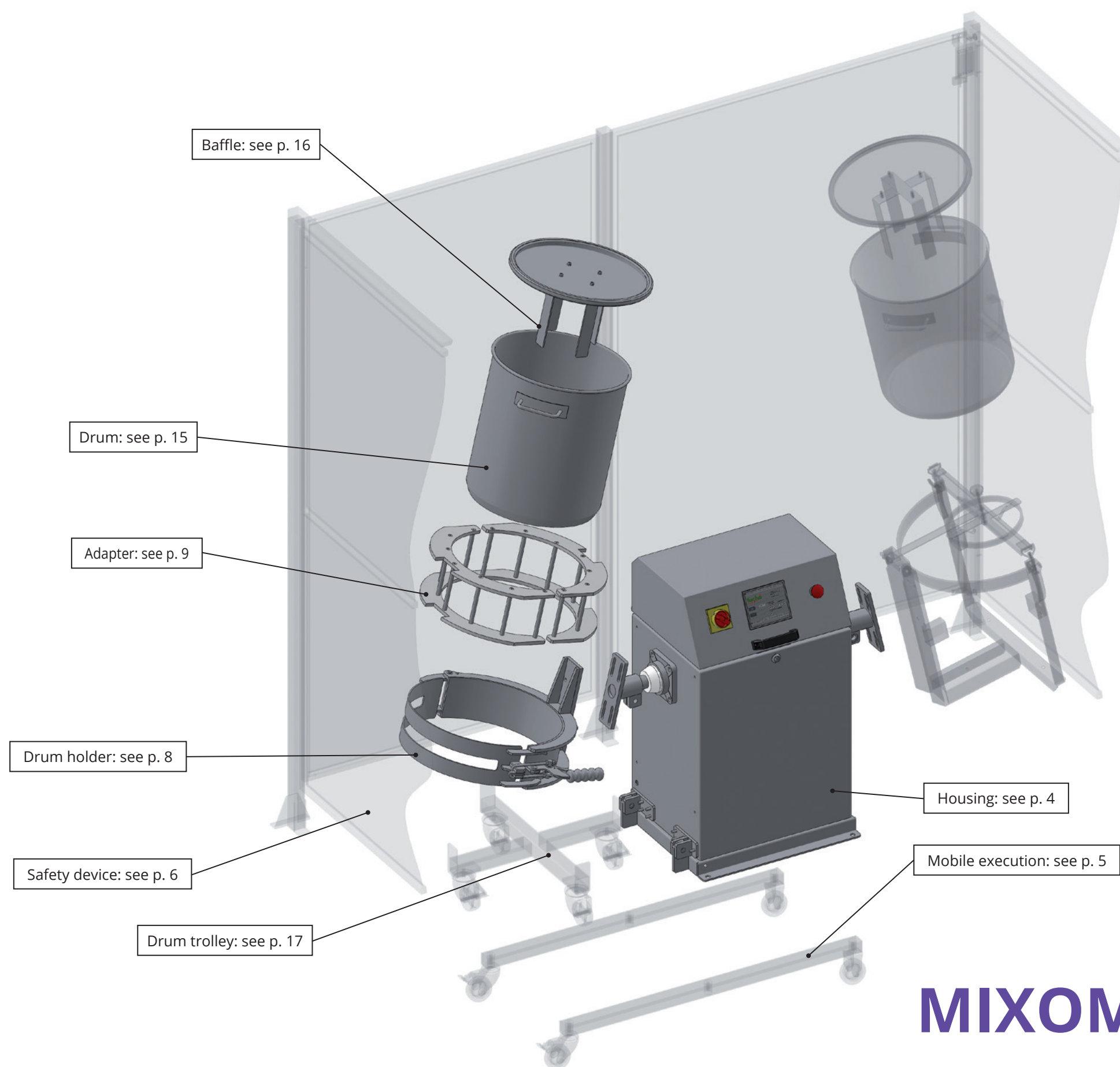


# MIXOMAT C

Tilting drum blenders for 100 to 400 litres drums



**MIXOMAT C-SE**

## Housing

**MIXOMAT C** type drum blenders are available in two electrically tilting versions:

### **MIXOMAT C-SE:**

Economic version with tilting housing, suitable for most applications.  
This version isn't suitable for clean-room applications.

- ✓ Double-sided version also available

### **MIXOMAT C-HE (see p. 28ff):**

High-End version for clean rooms or for highest possible performance with tilting sealed shaft and closed housing. Only one-sided version possible.

- ✓ Standard drums of 100 to 400 litres available (with C-HE type 150 to 400 litres)

### **Electrically tilting C-SE type MIXOMAT**



MIXOMAT C-SE housing, one-sided



MIXOMAT C-SE housing, double-sided

### **One-sided MIXOMAT C-SE execution**

- ✓ Standard stainless steel St. 1.4301 housing, ground finish
- ✓ Shaft with ball-bearings, sealed bearing housing
- ✓ Chain transmission
- ✓ Available as one- or double-sided blender (second non-tilting side for drums of less than 25 l)
- ✓ Mobile execution available (C-SE1 and C-SE2)
- ✓ ATEX version available for zone 2/22 or 1/21
- ✓ Siemens S7-1200 control unit with integrated 4 " colour touch-screen

### **Double-sided MIXOMAT C-SE execution**

- ✓ The blender may also be fitted with a second holder
- ✓ Being only tiltable on one side, the second holder should rather be used for drums with a maximum capacity of 25 litres

### **Sizes as follows:**

Type	Drums	Power [kW]	Max. working load [kg]	Art. number
C-SE1	100	0,55	100 kg	M-CSE1-0450
C-SE2	> 100 – 200	0,75	200 kg	M-CSE2-0450
C-SE3	> 200 – 400	1,5	400 kg	M-CSE3-0450

**Option: Mobile Execution**

Size 1 and 2 MIXOMAT blenders can also be supplied as mobile execution.

They are placed on an underframe fitted with levelling feet or caster rollers with brakes (2 fixed and 2 swivelling).



MIXOMAT C-SE mobile execution

The following standard executions are available:

Housing	Execution	Art. number
C-SE1	Caster rollers	M-CSE1-2042
C-SE1	Levelling feet	M-CSE1-2043
C-SE2	Caster rollers	M-CSE2-2042
C-SE2	Levelling feet	M-CSE2-2043
C-HE2	Caster rollers	M-CHE2-2042
C-HE2	Levelling feet	M-CHE2-2043

## MIXOMAT C-SE Safety Devices

To prevent accidents FUCHS advises its customers to install safety devices such as metal or photoelectric barriers equipped with safety switches.

These safety switches are connected to the control unit by means of two terminals (only one being used with one-sided blenders). Protection guards may also be supplied by FUCHS.



Safety guard, grid

### Safety guard for C-SE type MIXOMAT blender (stationary execution)

Features of standard executions for stationary units:

- ✓ For 1 and 2 sided blenders
- ✓ Access to blending drums through two swing doors
- ✓ Magnetic safety limit switch
- ✓ Easy to install
- ✓ Grid planking from painted steel (RAL 9005, black), pillars from painted steel (RAL 1021, yellow)

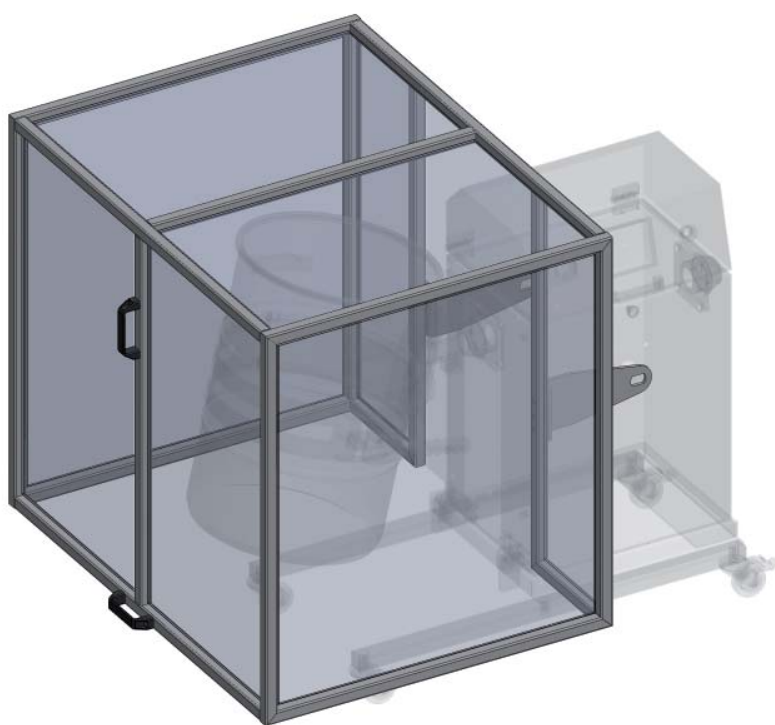
The following standard executions are available:

Housing	Dimensions [mm]	Type	Art. number
C-SE1	2350x1310x2060	SCSE1CS	M-C1-0110
C-SE2	2850x1600x2060	SCSE2CS	M-C2-0110
C-SE3	3150x1600x2060	SCSE3CS	M-C3-0110

**Tilting protection guards for C-SE type MIXOMAT blenders (mobile executions)**

Features of standard executions for mobile units:

- ✓ Access to blending drums through tilting safety guard, operated by hand
- ✓ Magnetic safety switch
- ✓ Compact execution
- ✓ Easy opening and closing thanks to gas spring support
- ✓ PMMA planking, stainless steel frame



Mobile safety guard, PMMA

The following standard executions are available:

Housing	For drums up to	Type	Art. number
C-SE1	50 l	SMB1SS	M-B1-0125
C-SE1	120 l	SMB1CS	M-B1-0135
C-SE2/C-HE2	220 l	SMB2SS	M-B2-0125



## Drum holders for C-SE type MIXOMAT blenders

The following standard drum holders are available:

### HRK type half collar holder



HRK type half collar holder

The holder is very easy to use. Safe holding is guaranteed by one quick-action clamping fastener (for 300 and 400 l drums: two) with a special safety locking system preventing any undesired opening of the fastener.

Holder in glass bead blasted stainless steel St.1.4301.

The following HRK type holders are available for the drums listed below:

V [l]	d [mm]	H [mm]	Type	Art. number
100	450	665	HRK 100	M-C-0366
200	560	870	HRK 200	M-C-0375
300	770	799	HRK 300	M-C-0381
400	770	997	HRK 400	M-C-0384

### SPK type Spanset belt holder



SPK type spanset belt holder

The drum is held on the holder by means of two SpanSet belts. This very price worthy holder is used when only a few daily or weekly blendings have to be carried out. The SpanSet belts allow a great amount of drum diameter (approx. 0/-50 mm) and height (+30/-10 mm) tolerances.

Holder in glass bead blasted stainless steel St.1.4301.

The following SPK type holders are available for the drums listed below:

V [l]	d [mm]	H [mm]	Type	Art. number Stainless steel
100	450	665	SPK 100	M-C-0566
150	560	665	SPK 150	M-C-0572
200	560	870	SPK 200	M-C-0575

#### BV type holder for the second side

Drum placed on the holder base. Hose clamp simply swung down onto the holder and clamped with the quick-action clamping fastener. Adjustable stamp in the middle of the clamp to press onto the drum cover and to fine adjust the drum height.

Customised drum holders available. BV type holders are available in galvanized carbon or stainless steel.

The standard BV type drum holders are listed on page 14.



BV type holder, second side

#### Adapter for smaller drums to be installed on standard holders

Basically it is possible to install on the same drum holder drums of the same or smaller diameter.

Therefore we propose an adapting system. It consists on a construction mainly manufactured from polypropylene and can be clipped easily on the holder.



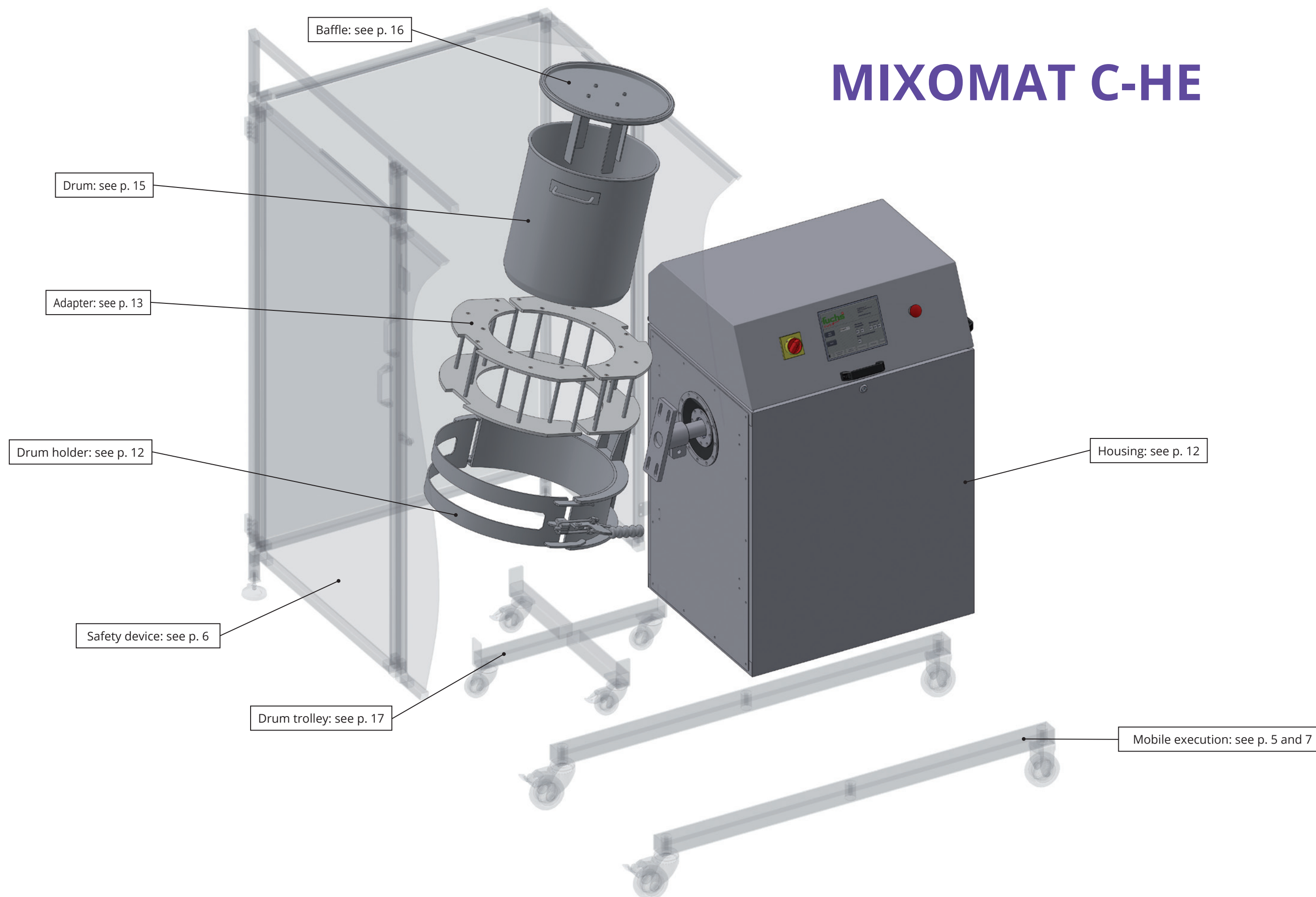
Adapter for HRK type holder

#### Adapter sizes

HRK type holder	Drum [l]	HRK type	Art. number HRK
100	50	AD100/50HRK	M-B-2538
200	100	AD200/100HRK	M-B-2594
200	50	AD200/50HRK	M-B-2606
400	200	AD400/200HRK	M-B-2670
400	100	AD400/100HRK	M-B-2682
400	50	AD400/50HRK	M-B-2694



# MIXOMAT C-HE



## Housing / Electrically tilting C-HE type MIXOMAT blender



MIXOMAT C-HE housing

### Execution

- ✓ Stainless steel St.1.4301 housing, ground finish
- ✓ Shaft with ball-bearings, sealed bearing housing
- ✓ Drive with worm geared motor
- ✓ Electrical vertical movement with linear drive
- ✓ ATEX version available for zone 2/22 or 1/21
- ✓ Mobile execution available (C-HE2)
- ✓ Siemens S7-1200 control unit with integrated 7" colour touch-screen
- ✓ Controller languages: English, German, French, Spanish and Dutch, others on request

### Sizes as follows:

Option: safety device C-HE: see page 14

Type	Drums [l]	Max. power [kW]	Max. working load [kg]	Art. number
C-HE2	> 150 – 200	1,5	200	M-CHE2-0450
C-HE3	> 200 – 400	2,2	400	M-CHE3-0450

## Drum holders for C-HE type MIXOMAT blenders

### HRK type half collar holder



HRK type half collar holder

The holder is very easy to use. Safe holding is guaranteed by one quick-action clamping fastener (for 300 and 400 l drums: two) with a special safety locking system preventing any undesired opening of the fastener.

Holder in glass bead blasted stainless steel St.1.4301.

### The following HRK type holders are available for the drums listed below:

V [l]	d [mm]	H [mm]	Type	Art. number
100	450	665	HRK 100	M-C-0366
200	560	870	HRK 200	M-C-0375
300	770	799	HRK 300	M-C-0381
400	770	997	HRK 400	M-C-0384

**SPK type Spanset belt holder**

SPK type spanset belt holder

The drum is held on the holder by means of two SpanSet belts. This very price worthy holder is used when only a few daily or weekly blendings have to be carried out. The SpanSet belts allow a great amount of drum diameter (approx. 0/-50 mm) and height (+30/-10 mm) tolerances.

Holder in glass bead blasted stainless steel St.1.4301.

The following SPK type holders are available for the drums listed below:

V [l]	d [mm]	H [mm]	Type	Art. number
100	450	665	SP 100	M-C-0566
200	560	870	SP 200	M-C-0575

**Adapter for smaller drums to be installed on standard holders**

Basically it is possible to install on the same drum holder drums of the same or smaller diameter.

Therefore we propose an adapting system. It consists on a construction mainly manufactured from polypropylene and can be clipped easily on the holder.



Adapter for HRK type holder

**Adapter sizes:**

HRK type holder	Drum [l]	HRK	Art. number HRK
200	100	AD200/100HRK	M-B-2594
200	50	AD200/50HRK	M-B-2606
400	200	AD400/200HRK	M-B-2670
400	100	AD400/100HRK	M-B-2682
400	50	AD400/50HRK	M-B-2694

## Drum Holders (BV, HR, SP)

Various standard drum holders are available.

### BV type drum clamp holder



BV type drum clamp holder

- ✓ These holders are used in most cases, specially with drums of up to 120 litres capacity
- ✓ The drums used must have the same height
- ✓ Smaller drums may also be used thanks to simple adapters
- ✓ The BV type holder is very easy to use
- ✓ In stainless steel, glass bead blasted

Standard clamp holders are available for the following drum sizes:

V [l]	D [mm]	H [mm]	Clamping height [mm]	Type	Art. number
100	450	665	653	BV 100	M-B-0266
120*	500	810	777	BV 120	M-B-0272
200	560	870	858	BV 220	M-B-0278
220*	580	1030	1011	BV 220	M-B-0278
300	770	799	799	BV 400	M-B-0284
400	770	997	997	BV 400	M-B-0284

\*) plastic drum

## Drums

The following FUCHS drums are available as a standard:

### Stainless steel drums



30 to 200 l stainless steel drum:  
with 2 reinforcement beads and 2 point welded handles, with cover and silicon seal.



300 to 400 l stainless steel drum:  
with 2 reinforcement beads and base ring, cover with Perbutan seal and 5 galvanized steel clamping fasteners.

### Plastic drums



30 to 220 l plastic drum

### Execution:

✓ Stainless steel St.1.4301, bright as rolled finish (St.1.4435, electrolytic polish on request)

✓ Stainless steel St. 1.4404, bright as rolled finish

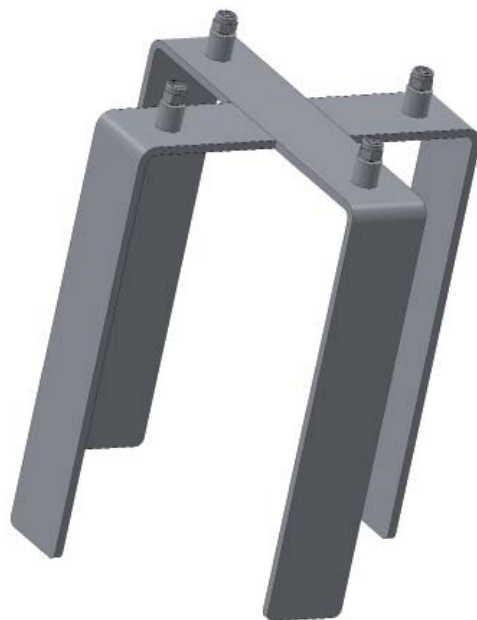
✓ 30-220 l ND-PE, opaque, blue  
✓ Food-safe

**Delivery:** Drum, cover (black), tension ring for tight closing, optional baffle fixed under the cover (for faster and better blending), see p. 16

### Drum sizes for all MIXOMAT C blenders

V [l]	Material	D [mm]	H [mm]	Art. number Drum
100	1.4301	450	665	M-B-0015
100	1.4404	450	665	M-B-0017
120	ND-PE	500	810	M-B-0060
200	1.4301	560	870	M-B-0025
200	1.4404	560	870	M-B-0027
220	ND-PE	580	1030	M-B-0065
300	1.4301	770	799	M-B-0030
300	1.4404	770	799	M-B-0032
400	1.4301	770	997	M-B-0035
400	1.4404	770	997	M-B-0037

### Baffles for various drums



Four-armed baffles for 30 to 400 l drums

### Execution

- ✓ Stainless steel St. 1.4301 or St. 1.4404, electrolytic polish on request

### Baffles

Drum V [l]	Art. number St. 1.4301	Art. number St. 1.4404
90, 100, 120	M-B-0082	M-B-0083
150, 200, 220	M-B-0084	M-B-0085
300, 400	M-B-0086	M-B-0087



## Drum Trolley



DT type drum trolley



Option: higher version

### Executions

- ✓ Stainless steel frame 1.4301, ground finish

#### **comfort**series

- ✓ Stainless steel caster roller housing 1.4301
- ✓ Rollers made of dark grey polyurethane
- ✓ Rollers mounted on ball bearings
- ✓ Electrically conductive

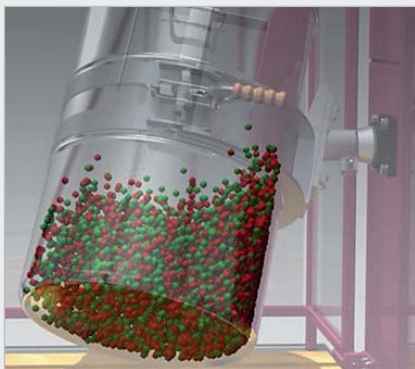
#### *ecoline*

- ✓ Galvanised steel roller housing
- ✓ Rollers made of white PA
- ✓ Rollers mounted on slide bearings

Max. drum-ø [mm]	Type	Art number <b>comfort</b> series	Art. number <i>ecoline</i>	OPTION high version ≤ 250 mm	OPTION high version >250 <750 mm
450	DT 450	M-0-0440	M-0-0445	M-0-0405	M-0-0407
560	DT 560	M-0-0430	M-0-0435	M-0-0405	M-0-0407
770	DT 770	M-0-0420	M-0-0425	M-0-0405	M-0-0407

Simple but efficient mechanical processes for bulk materials by FUCHS.  
For more information see below:

### Drum blenders

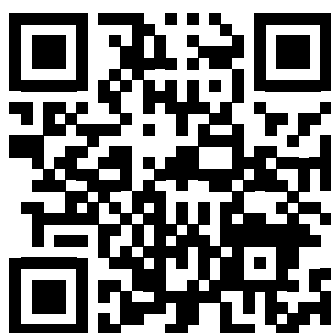


#### Applications

- ✓ Blending
- ✓ Inking
- ✓ Dissolving solid matters in liquids

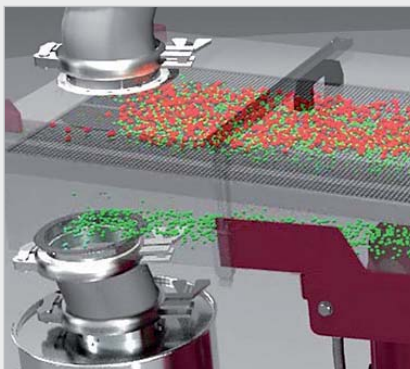
#### Users

- ✓ Food industry
- ✓ Chemical industry
- ✓ Pharmaceutical industry



[https://www.fuchsag.com/  
drum-blender.html](https://www.fuchsag.com/drum-blender.html)

### Sifters

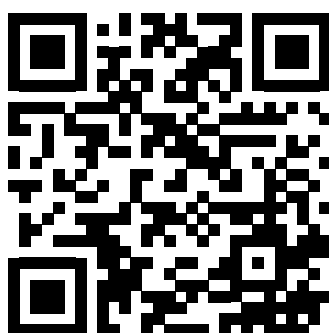


#### Applications

- ✓ Sizing
- ✓ Control and safety sifting
- ✓ Dedusting

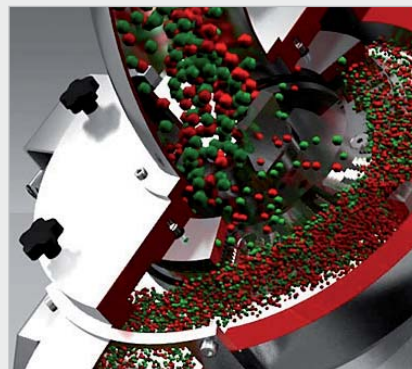
#### Users

- ✓ Food industry
- ✓ Pharmaceutical industry
- ✓ Chemical industry



[https://www.fuchsag.com/  
sifters.html](https://www.fuchsag.com/sifters.html)

### Disc mills



#### Applications

- ✓ Milling products such as sweet corn, cereals, stark, minerals, chemical and pharmaceutical products

#### Users

- ✓ Milling
- ✓ Animal feed industry
- ✓ Food industry

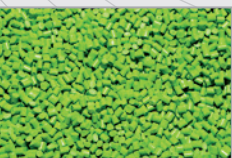


[https://www.fuchsag.com/  
granulating.html](https://www.fuchsag.com/granulating.html)



<https://fuchsag.com/downloads-192/type/brochure/machine-type/mixomat-c.html>

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