

MZ 35

Cleaning Centrifuge



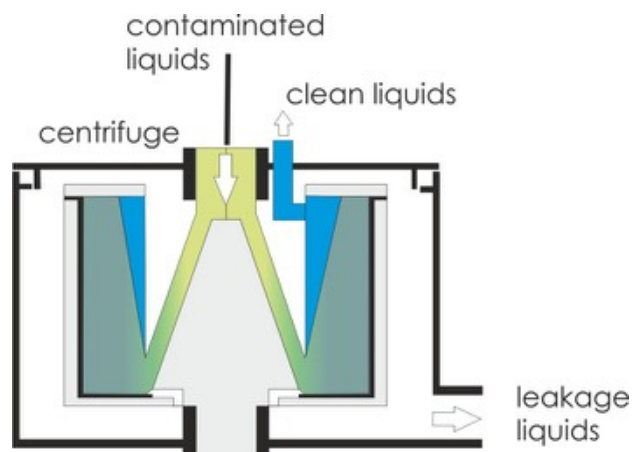
Characteristics:

- For the cleaning of contaminated liquids such as grinding emulsions, grinding or cutting oils, etc.
- Very high degree of cleaning up to 1 µm particulate size possible
- Manual discharge of solids
- Outlet of the cleaned liquids with counter-pressure of 0.3 bar
- Driven by Poly-V-belt and a 3-phase motor
- Solid insert is made out of dimensionally stable polypropylene (PP), optional polyamide (PA), aluminum (Al)
- Finishing: 7035 or as requested

Technical Details:

Type:	MZ 35
Flow Rate:	35 l/min at 1 cSt 20 l/min at 21 cSt 10 l/min at 60 cSt
Driving Power:	0,75 kW (optional 1,1 kW)
Rotor Speed:	4615 rpm
Separating Factor:	2000 x g (other separating factors on demand)
Capacity of Rotor / Insert of Solids:	3,0 liter / 1,5 liter
Noise:	approx. 72 dB(A)
Dimensions (L x W x H):	540 x 310 x 350 mm
Weight:	approx. 40 kg
Options:	Different kind of pumps Different size of tanks Stainless-steel- version Underframe Control unit

Flow Chart:



Contact:

Ruma

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MZ 35 B20/80

Cleaning Unit



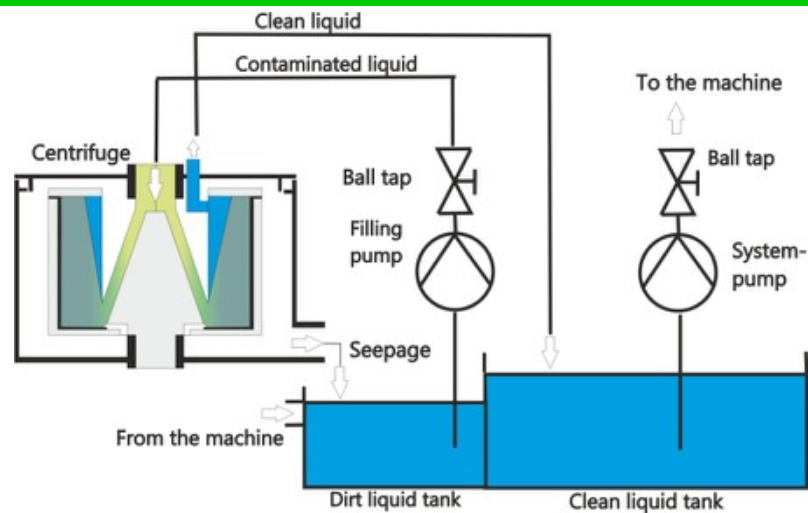
Characteristics:

- For the cleaning of contaminated liquids such as grinding emulsions, grinding or cutting oils, etc.
- Very high degree of cleaning up to 1 1 µm particulate size possible
- Manual discharge of solids
- Outlet of the cleaned liquids with counter-pressure of 0.3 bar
- Driven by Poly-V-belt and a 3-phase motor
- Solid insert is made out of dimensionally stable polypropylene (PP), optional polyamide (PA), aluminum (Al)
- Finishing: 7035 or as requested

Technical Details:

Type:	MZ 35 B20/80
Flow rate:	35 l/min at 1 cSt 20 l/min at 21 cSt 10 l/min at 60 cSt
Driving Power:	0,75 kW (optional 1,1 kW)
Rotor Speed:	4615 rpm
Separating Factors:	2000 x g (other separating factors on demand)
Capacity of Rotor / Insert of Solids:	3,0 liter / 1,5 liter
Noise:	approx. 72 dB(A)
Dimensions (L x W x H):	800 x 550 x 900 mm
Weight:	approx. 150 kg
Options:	Different kind of pumps Different size of tanks Stainless-steel- version Magnetic separator

Flowchart:



Contact:

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MZ 35 AS

Cleaning System



Function:

The suction pipe of the unit is being led across a pipe into the tank of the machine tool. The self-priming compressed air diaphragm pump is sucking off the contaminated liquids and moves them into the centrifuge. There the solids are being separated from the liquids. The cleaned liquids are transported back to the machine tool by a pipe. The machine tool can run without standstill. The leaking liquids, which result in a very small amount, are being collected in a leakage-tank and is automatically withdrawn by suction. The complete bottom of the tank can be drained off by the suction pipe.

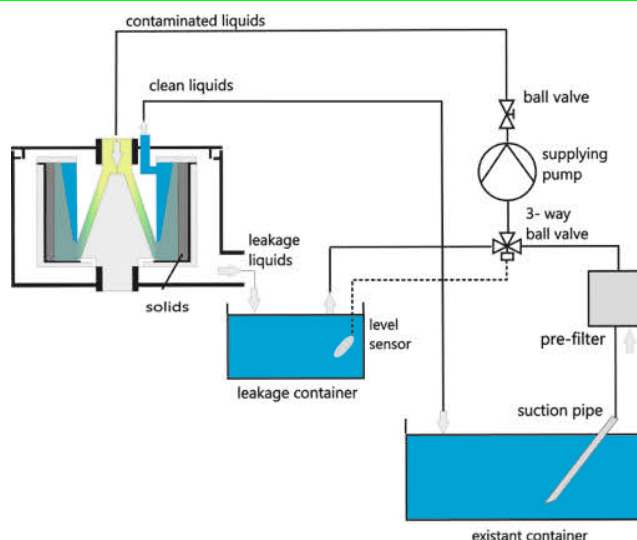
Characteristics:

- For the cleaning of contaminated liquids such as grinding emulsions, grinding or cutting oils, etc.
- Very high degree of cleaning of up to 1 µm particulate size possible
- Manual discharge of solids
- Outlet of the cleaned liquids with a counter-pressure of 0.3 bar
- Solid insert is made of dimensionally stable polypropylene (PP), optional polyamide (PA), aluminum (Al)

Technical Details:

Type:	MZ 35 AS
Flow Rate:	35 l/min at 1 cSt 20 l/min at 21 cSt 10 l/min at 60 cSt
Driving Power:	0,75 kW (optional 1,1 kW)
Rotor Speed:	4615 rpm
Separating Factor:	2000 x g (other separating factors on demand)
Capacity of Rotor / Insert of Solids:	3,0 liter / 1,5 liter
Noise:	approx. 70 dB(A)
Dimensions (L x W x H):	705 x 640 x 900 mm
Weight:	approx. 150 kg (depending on construction)
Options:	Stainless-steel-version Pre-filter Electrical or pneumatical pump Moveable / stationary

Flow chart:



Contact:

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MZ 70 B20/80

Cleaning Unit



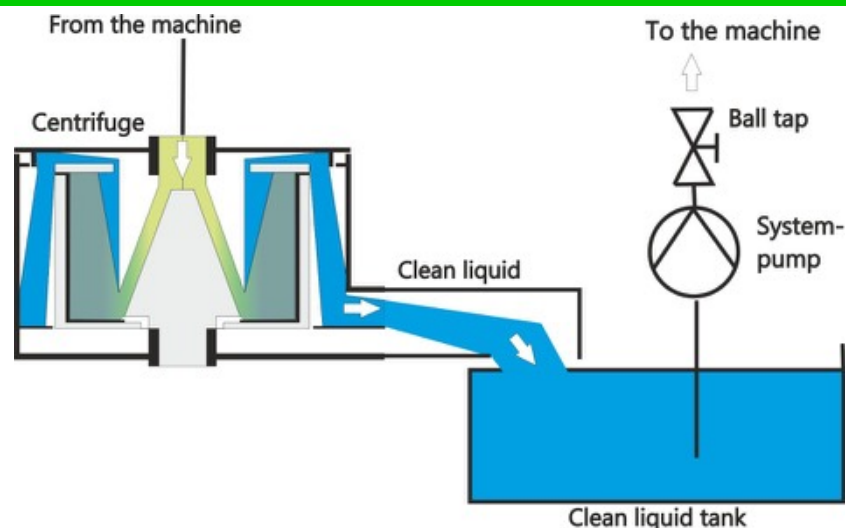
Characteristics:

- For the cleaning of contaminated liquids such as grinding emulsions, grinding or cutting oils, etc.
- Very high degree of cleaning up to 1 µm particulate size possible
- Manual discharge of solids
- Outlet of the cleaned liquids without pressure (overflow centrifuge)
- Direct drive with 3-phase motor
- Solid insert is made out of dimensionally stable polypropylene (PP), optional polyamide (PA), aluminum (Al)
- Finishing: 7035 or as requested

Technical Details:

Type:	MZ 70 B20/80
Flow Rate:	70 l/min at 1 cSt 50 l/min at 21 cSt 30 l/min at 60 cSt
Driving Power:	1,1 kW
Rotor Speed:	2830 rpm
Separating Factor:	1100 x g (other separating factors on demand)
Capacity of Rotor / Insert of Solids:	4,5 liter / 3,0 liter
Noise:	approx. 72 dB(A)
Dimensions (L x W x H):	510 x 430 x 570 mm
Weight:	approx. 75 kg
Options:	Different kind of pumps Different size of tanks Stainless-steel- version Underframe Control unit

Flow Chart:



Contact:

Ruma

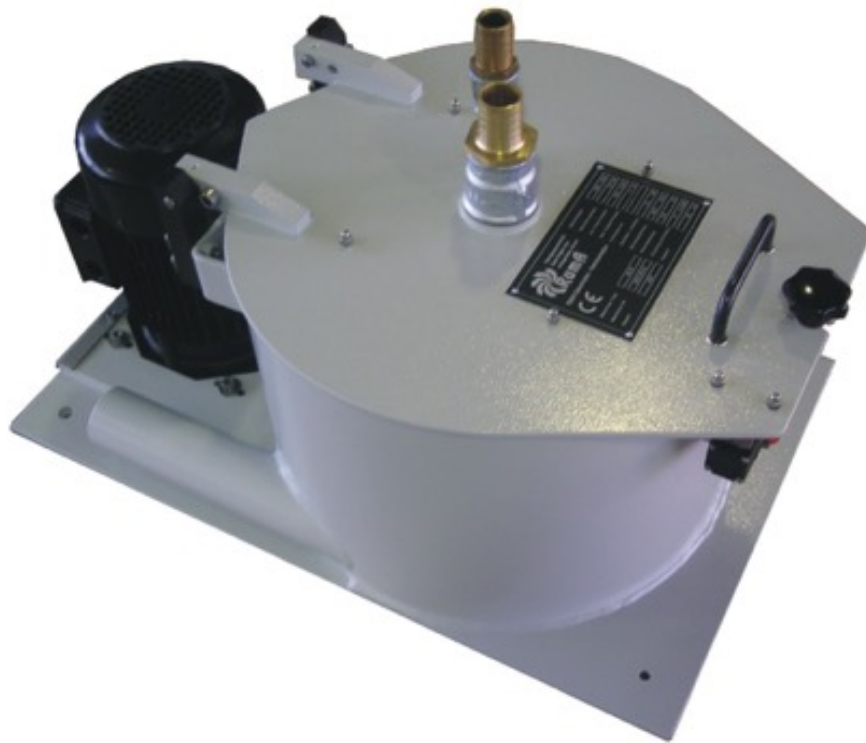
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MZ 90

Cleaning Centrifuge



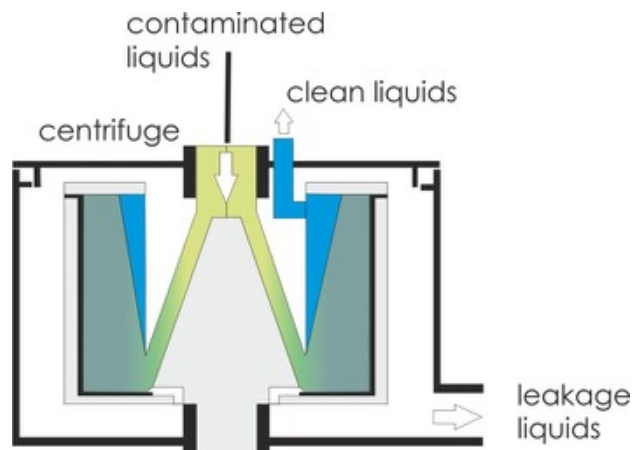
Characteristics:

- For the cleaning of contaminated liquids such as grinding emulsions, grinding or cutting oils, etc.
- Very high degree of cleaning up to 1 µm particulate size possible
- Manual discharge of solids
- Outlet of the cleaned liquids with counter-pressure of 0.5 bar
- Driven by Poly-V-belt and a 3-phase motor
- Solid insert is made out of dimensionally stable polypropylene (PP), optional polyamide (PA), aluminum (Al)
- Finishing: 7035 or as requested

Technical Details:

Type:	MZ 90
Flow Rate:	90 l/min at 1 cSt 60 l/min at 21 cSt 40 l/min at 60 cSt
Driving Power:	2,2 kW (optional 3,0 kW)
Rotor Speed:	3723 rpm
Separating Factor:	1800 x g (other separating factors on demand)
Capacity of Rotor / Insert of Solids:	4,5 liter / 3,0 liter
Noise:	approx. 75 dB(A)
Dimensions (L x W x H):	710 x 430 x 400 mm
Weight:	approx. 95 kg
Options:	Different kind of pumps Different size of tanks Stainless-steel- version Underframe Control unit

Flow Chart:



Contact:

Ruma

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MZ 90 B100/400

Cleaning Unit



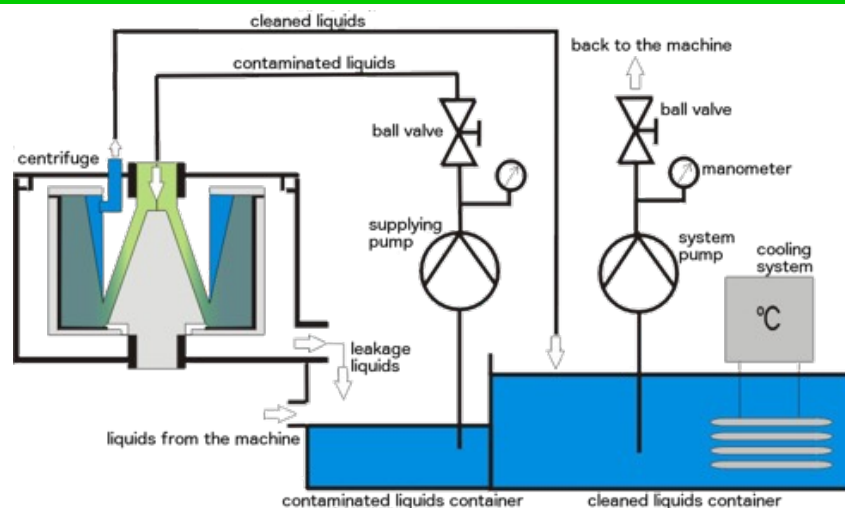
Characteristics:

- For the cleaning of contaminated liquids such as grinding emulsions, grinding or cutting oils, etc.
- Very high degree of cleaning up to 1 µm particulate size possible
- Manual discharge of solids
- Outlet of the cleaned liquids with counter-pressure of 0.5 bar
- Driven by Poly-V-belt and a 3-phase motor
- Solid insert is made out of dimensionally stable polypropylene (PP), optional polyamide (PA), aluminum (Al)
- Finishing: 7035 or as requested

Technical Details:

Type:	MZ 90 B100/400
Flow rate:	90 l/min at 1 cSt 60 l/min at 21 cSt 40 l/min at 60 cSt
Driving Power:	2,2 kW (optional 3,0 kW)
Rotor Speed:	3723 rpm
Separating Factors:	1800 x g (other separating factors on demand)
Capacity of Rotor / Insert of Solids:	4,5 liter / 3,0 liter
Noise:	approx. 75 dB(A)
Dimensions (L x W x H):	1400 x 1400 x 1400 mm
Weight:	approx. 300 kg
Options:	Different kind of pumps Different size of tanks Stainless-steel- version Magnetic separator

Flowchart:



Contact:

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MZ 90 AS

Cleaning System



Function:

The suction pipe of the unit is being led across a pipe into the tank of the machine tool. The self-priming compressed air diaphragm pump is sucking off the contaminated liquids and moves them into the centrifuge. There the solids are being separated from the liquids. The cleaned liquids are transported back to the machine tool by a pipe. The machine tool can run without standstill. The leaking liquids, which result in a very small amount, are being collected in a leakage-tank and is automatically withdrawn by suction. The complete bottom of the tank can be drained off by the suction pipe.

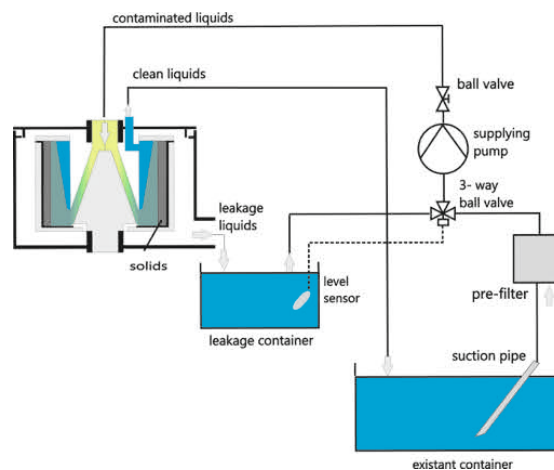
Characteristics:

- For the cleaning of contaminated liquids such as grinding emulsions, grinding or cutting oils, etc.
- Very high degree of cleaning of up to 1 µm particulate size possible
- Manual discharge of solids
- Outlet of the cleaned liquids with a counter-pressure of 0.5 bar
- Solid insert is made of dimensionally stable polypropylene (PP), optional polyamide (PA), aluminum (Al)

Technical Details:

Type:	MZ 90 AS
Flow Rate:	90 l/min at 1 cSt 60 l/min at 21 cSt 40 l/min at 60 cSt
Driving Power:	2,2 kW (optional 3,0 kW)
Rotor Speed:	3723 rpm
Separating Factor:	1800 x g (other separating factors on demand)
Capacity of Rotor / Insert of Solids:	4,5 liter / 3,0 liter
Noise:	approx. 75 dB(A)
Dimensions (L x W x H):	970 x 760 x 1100 mm
Weight:	approx. 250 kg (depending on construction)
Options:	Stainless-steel-version Pre-filter Electrical or pneumatical pump Moveable / stationary

Flow chart:



Contact:

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MZ 150

Cleaning Centrifuge



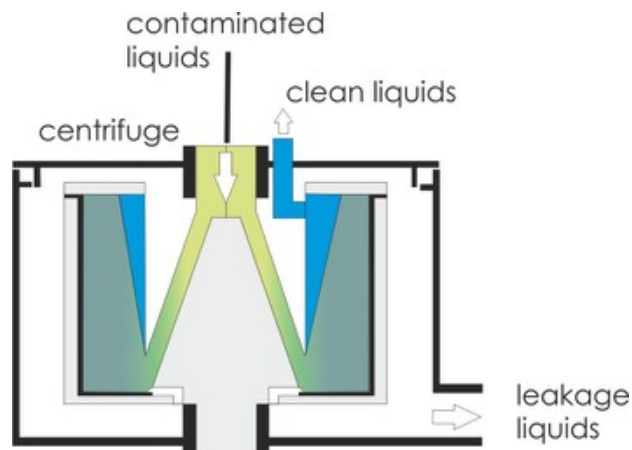
Characteristics:

- For the cleaning of contaminated liquids such as grinding emulsions, grinding or cutting oils, etc.
- Very high degree of cleaning up to 1 µm particulate size possible
- Manual discharge of solids
- Outlet of the cleaned liquids with counter-pressure of 0.7 bar
- Driven by Poly-V-belt and a 3-phase motor
- Solid insert is made out of dimensionally stable polyamide (PA)
- Finishing: 7035 or as requested

Technical Details:

Type:	MZ 150
Flow Rate:	150 l/min at 1 cSt 120 l/min at 21 cSt 80 l/min at 60 cSt
Driving Power:	4,0 kW (optional 5,5 kW)
Rotor Speed:	3000 rpm
Separating Factor:	1800 x g (other separating factors on demand)
Capacity of Rotor / Insert of Solids:	15,0 liter / 10,0 liter
Noise:	approx. 78 dB(A)
Dimensions (L x W x H):	1020 x 600 x 650 mm
Weight:	approx. 295 kg
Options:	Different kind of pumps Different size of tanks Stainless-steel- version Underframe Control unit

Flow Chart:



Contact:

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MZ 150 B300/1500

Cleaning Unit



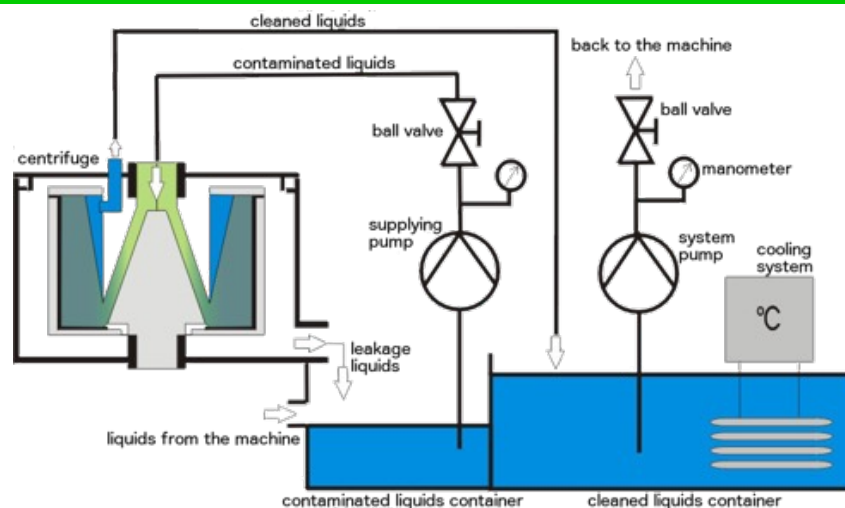
Characteristics:

- For the cleaning of contaminated liquids such as grinding emulsions, grinding or cutting oils, etc.
- Very high degree of cleaning up to 1 µm particulate size possible
- Manual discharge of solids
- Outlet of the cleaned liquids with counter-pressure of 0.7 bar
- Driven by Poly-V-belt and a 3-phase motor
- Solid insert is made out of dimensionally stable polypropylene (PP), optional polyamide (PA), aluminum (Al)
- Finishing: 7035 or as requested

Technical Details:

Type:	MZ 150 B300/1500
Flow rate:	150 l/min at 1 cSt 120 l/min at 21 cSt 80 l/min at 60 cSt
Driving Power:	4,0 kW (optional 5,5 kW)
Rotor Speed:	3000 rpm
Separating Factors:	1800 x g (other separating factors on demand)
Capacity of Rotor / Insert of Solids:	15,0 liter / 10,0 liter
Noise:	approx. 75 dB(A)
Dimensions (L x W x H):	1400 x 1200 x 1350 mm
Weight:	approx. 1500 kg
Options:	Different kind of pumps Different size of tanks Stainless-steel- version Magnetic separator

Flowchart:



Contact:

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MZ 150 AS

Cleaning System



Function:

The suction pipe of the unit is being led across a pipe into the tank of the machine tool. The self-priming compressed air diaphragm pump is sucking off the contaminated liquids and moves them into the centrifuge. There the solids are being separated from the liquids. The cleaned liquids are transported back to the machine tool by a pipe. The machine tool can run without standstill. The leaking liquids, which result in a very small amount, are being collected in a leakage-tank and is automatically withdrawn by suction. The complete bottom of the tank can be drained off by the suction pipe.

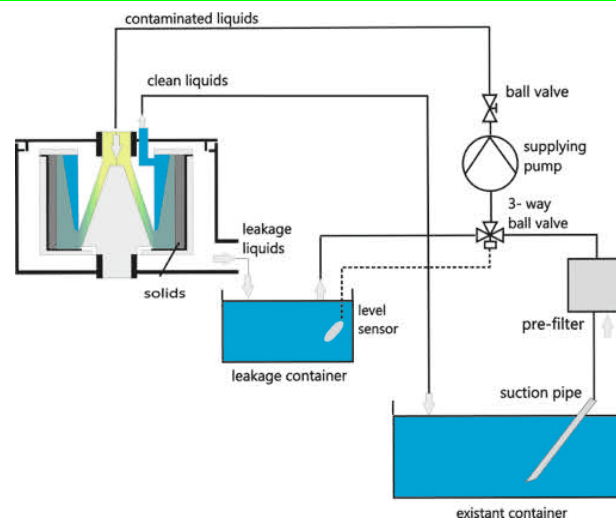
Characteristics:

- For the cleaning of contaminated liquids such as grinding emulsions, grinding or cutting oils, etc.
- Very high degree of cleaning of up to 1 µm particulate size possible
- Manual discharge of solids
- Outlet of the cleaned liquids with a counter-pressure of 0.7 bar
- Solid insert is made of dimensionally stable polyamide (PA)

Technical Details:

Type:	MZ 150 AS
Flow Rate:	150 l/min at 1 cSt 120 l/min at 21 cSt 80 l/min at 60 cSt
Driving Power:	4,0 kW (optional 5,5 kW)
Rotor Speed:	3620 rpm
Separating Factor:	1800 x g (other separating factors on demand)
Capacity of Rotor / Insert of Solids:	15,0 liter / 10,0 liter
Noise:	approx. 78 dB(A)
Dimensions (L x W x H):	1365 x 895 x 950 mm
Weight:	approx. 550 kg (depending on construction)
Options:	Stainless-steel-version Pre-filter Electrical or pneumatical pump Moveable / stationary

Flow chart:



Contact:

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MZ 151

3-Phase-Cleaning Centrifuge



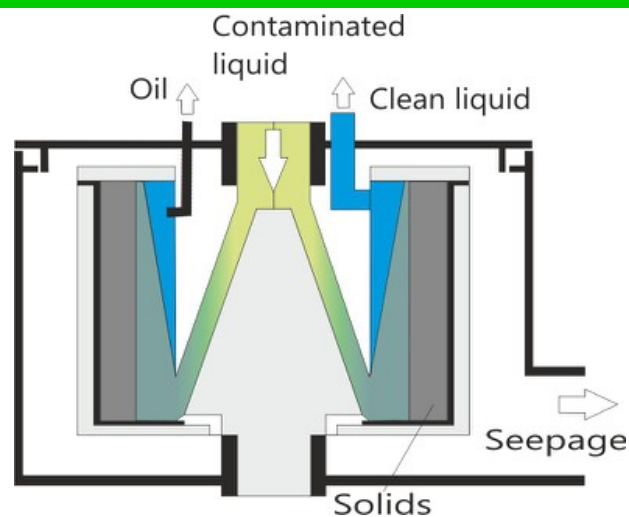
Characteristics:

- For the cleaning of contaminated liquids such as grinding emulsions or water and separating oils from water at the same time
- Very high degree of cleaning up to 3 µm particulate size possible
- Manual discharge of solids
- Outlet of the cleaned liquids with counter-pressure of 0.7 bar and of the oil with free runoff
- Driven by Poly-V-belt and a 3-phase motor
- Solid insert is made out of dimensionally stable polyamide (PA)
- Design in steel 1.0037, optional in stainless-steel
- Finishing: 7035 or as requested

Technical Details:

Type:	MZ 151
Flow rate:	1 - 30 l/min at 1 cSt
Driving Power:	4,0 kW
Rotor Speed:	3000 rpm
Separating Factors:	1800 x g (other separating factors on demand)
Capacity of Rotor / Insert of Solids:	15,0 liter / 10,0 liter
Noise:	approx. 78 dB(A)
Dimensions (L x W x H):	1020 x 600 x 650 mm
Weight:	approx. 300 kg
Options:	Different kind of pumps Different size of tanks Stainless-steel- version Underframe Control Unit
Percentage of Oil:	approx. 1 – 5 %

Flowchart:



Contact:

Ruma

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Filter Units



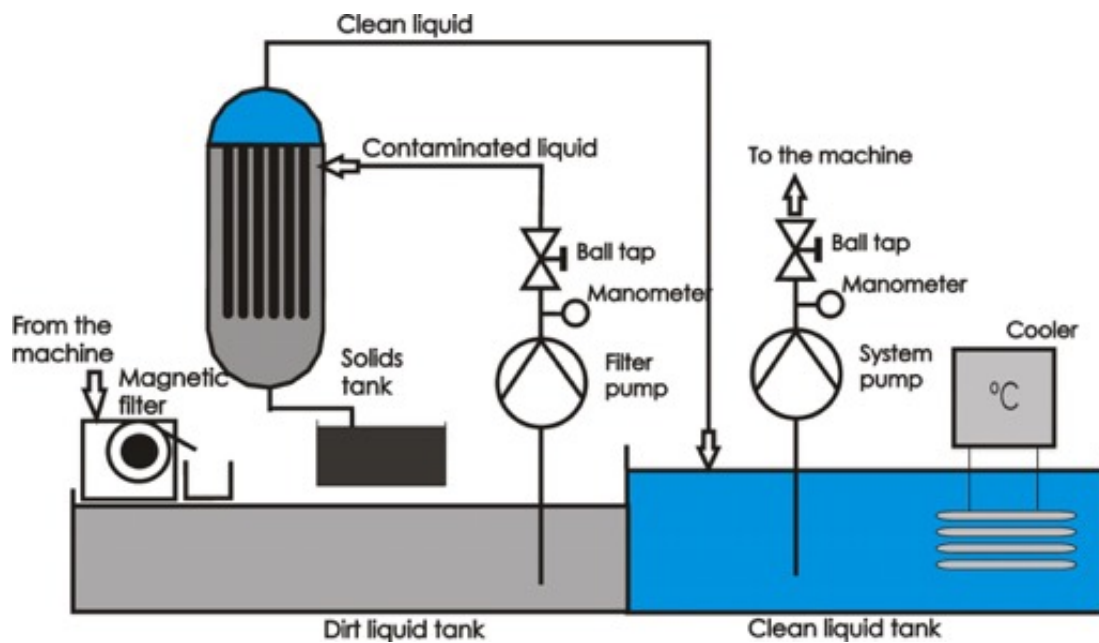
Characteristics:

- For the cleaning of low-viscous processing oils (max. 10 cSt.)
- Purity of filter of up to 1 μm of particle size
- Constant filter quality
- No filter aids such as paper, textiles and diatomite needed
- Service life of the oil is increased by several times
- Low operating and maintenance costs
- No interruption of the working process

Technical Details:

Type:	KFA 50/I	KFA 100/II	KFA 150/III	KFA 200/IV
Flow Rate:	50 – 60 l/min at 10 cSt	100 – 120 l/min at 10 cSt	150 – 180 l/min at 10 cSt	200 – 240 l/min at 10 cSt
Dimensions (L x W x H):	2210 x 110 x 1550 mm	3450 x 1300 x 1550 mm	4100 x 1400 x 2150 mm	6350 x 1940 x 2150 mm
Weight:	approx. 750 kg	approx. 1500 kg	approx. 2500 kg	approx. 3000 kg

Flow Chart:



Subject to technical changes
May 2016