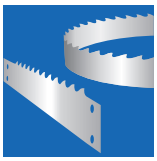
iseli
SWISS PRECISION

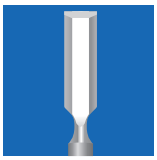
RumA Cleaning Centrifuges

CLEANING AND REUSE OF CONTAMINATED LIQUIDS

(e.g. water, waste water, emulsion, grinding and cutting oils)


Sharpening solutions
for band and gang saws


Sharpening solutions
for circular saws


Sharpening solutions
for hand tools


Sharpening solutions
for industrial blades


Sharpening solutions
for chain saws


Service

TECHNICAL DATA:

RUMA CENTRIFUGE MZ35:	
Volume flow:	35 l/min with 1 cSt 20 l/min with 21 cSt 10 l/min with 60 cSt
Separation factor:	2000 x g
Drive power:	0,75 kW
Rotor capacity:	3 l
Solid filling capacity:	1.5 l
Separation factor:	2000 x g
Noise emission:	approx. 70 dB(A)
Power supply:	400V, 50Hz

RUMA MZ35 AS:	
Dimensions:	705 x 650 x 900 mm
Weight:	approx. 150 kg
Base frame:	movable

self-priming pneumatic diaphragm pump, suction height max. 7m
(optional self-priming electric pump)

RUMA MZ35 B20 / 80	
Dimensions:	800 x 600 x 1000 mm
Noise emission:	approx. 70 dB(A)
Leakage container volume:	approx. 20 l
Clean container volume:	approx. 80 l

RUMA CENTRIFUGE MZ150	
Volume flow:	150 l/min with 1 cSt 120 l/min with 21 cSt 80 l/min with 60 cSt
Separation factor:	1800 x g
Rotor capacity:	approx. 150 l
Solid filling capacity:	approx. 1'000 l
Noise emission:	approx. 78 dB(A)
Drive power:	approx. 4 kW
Leakage container volume:	approx. 140 l
Clean container volume:	approx. 1000 l

Subject to alteration in design
for technical advancement.

Cooling lubricants serve to dissipate heat and reduce friction between tool and workpiece by lubrication. In addition, it is effective in some machining processes to remove chips by flushing them out of the work environment. It ensures better dimensional accuracy of the workpiece, better surface quality, reduction of burr formation on the tool and binding of dust (e.g. during grinding). Another side effect of the coolant is the corrosion protection of the workpiece. The use of cooling lubricants is important for the improvement of tool life and the surface quality of the materials. The service life, operational safety and function of the equipment depend to a large extent on the operating materials used.

Coolant lubricants must be maintained. It makes sense to clean or filter the cooling lubricants to achieve a better surface quality. Clean cooling lubricants can be used for longer and increase the service life of the lubricant and the machine tool. Special coolant filters, sedimentation tanks or magnetic separators as well as oil separators (skimmers) are used for this purpose.

HIGHLIGHTS

- Mobile system (RumA MZ35 AS) on bypass system
- Stationary system (RumA MZ35 B20-80)
- Including 3-way ball valve with pneumatic rotary actuator
- Very high degree of purification (particle size between 5 - 10 µm)
- Including standstill and belt-breakage monitoring
- Including level monitoring of the leak container (by probe)
- Return flow of residual liquid when rotor is at standstill
- Drive via Poly-V-belt, with three-phase motor
- Wear-free deceleration of the rotor by direct current
- Electrical cover lock with safety switch
- Solid insert made of hard-wearing and dimensionally stable Polypropylene (PP), (optionally polyamide or aluminium)
- Manual solids discharge (handles accessible from outside)