

Translation of the original instructions
IBS-Parts Cleaning Device
Type M, MD, M-500



All devices have been tested and certified.



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IBS-Parts Cleaning Device Type M-500 / Enhanced bearing capacity 500 kg

Addition to 6.2.1. Assembling the Parts Cleaning Device

1. ABOUT THE MACHINE / TECHNICAL DATA

Dimensions and performance data	Type M	Type MD	Type M-500
External dimensions of the device:			
Length:	1.145 mm	1.165 mm	1145 mm
Width:	670 mm	695 mm	670 mm
Height:	1.050 mm	1.055 mm	1050 mm
		(1735 mm lid open)	
Working area (internal dimensions):	1135 x 660 mm	1135 x 660 mm	1135 x 660 mm
Working height:	870 mm	870 mm	870 mm
Weight without drum:	47 kg	60 kg	47 kg
Weight with drum (full):	227 kg	240 kg	227 kg
Carrying capacity:	250 kg	250 kg	500 kg
Fill volume:	200 l	200 l	200 l
Noise emission level at the workstation:	< 70 dB (A)	< 70 dB (A)	< 70 dB (A)
Type class (in accordance with EN 12921-3):	A1	A1	A1

Electrical connections			
Power supply:	1/N/PE 230 V ~	1/N/PE 230 V ~	1/N/PE 230 V ~
Frequency:	50 Hz	50 Hz	50 Hz
Power draw:	0,8 A	0,8 A	0,8 A
Max. backup fuse:	6 A	6 A	6 A

2. PROPER USE

The IBS-Parts Cleaning Device has been designed for cleaning of oily and greasy metal parts (e.g. machine parts, motors and housings) using IBS-Special Cleaning Agents.

2.1. Approved cleaning agents

- IBS-Special Cleaner EL/Extra
- IBS-Special Cleaner RF
- IBS-Special Cleaner Purgasol
- IBS-Special Cleaner SecuroI
- IBS-Special Cleaner 100 Plus

2.2. Approved cleaning agents with technical ventilation (exhaust system)

- IBS-Special Cleaner Quick

NOTE



When using cleaning agents from third-party manufacturers, always read and follow the product information and the EC Safety Data Sheet. Their use must be approved by IBS Scherer GmbH. Please also note the information given in section 2.3. The 3-year extended warranty only applies when IBS-Special Cleaning Agents are used.

2.3. Non-approved cleaning agents



- Halogenated cleaning agents.
- Flammable and highly flammable cleaning agents with flash point < 60°C, except for cleaning agents with flash point > 40°C when technical ventilation (exhaust system) is installed.

2.4. Standards



- Indispensably note the guideline for devices for cleaning workpieces with cleaning agents (amongst others the DGUV-information 209-088, formerly BGR 180)! The same applies to the requirements of the Water Management Act (German WHG), the ordinance on systems for handling water-polluting substances (German AwSV) as well as leaflet M043 – Hydrocarbon based cleaner (formerly BGI 880).

3. OPERATING PRINCIPLE

3.1. How the machine works

- The IBS-Pump pumps the cleaning liquid through a hose to the IBS-Cleaning Brush. The workpiece is placed on the support rack and is cleaned with the brush and cleaning liquid.
- The dirty cleaning agent flows back into the drum. The dirt particles sink to the bottom of the drum. When the cleaning effect of the cleaning agent declines, the drum must be replaced with a new drum of IBS-Special Cleaning Agent.
- Old goods will be collected by IBS Scherer and recycled as long as the mixing ban has been adhered to.

3.2. Safety information

- See section 6

4. TRANSPORT

4.1. Handling

- Take great care when transporting the device to the installation site at the customer's premises in order to prevent damage.
- Secure the device on the pallet to ensure that it does not slip off.
- When transporting the drum, read and follow the data sheet for the cleaning agent.

4.2. Transport aids

4.2.1. Transport using a crane

- Attach the crane cables to the pallet and lift the device carefully. Pay special attention to the centre of gravity. The device may tip.

NOTE: The crane must have a carrying capacity of at least 200 kg.

4.2.2. Transport using a fork-lift

- Insert the fork-lift between the longitudinal pieces on the wooden pallet.
- Lift the unit and transport it.

5. SETUP / COMMISSIONING

5.1. Securing the device / Stability

The device must be installed in a stable, horizontal position on a solvent-resistant floor.

5.2. Space required

The device may be placed against a wall. There should be a clear area of approx. 2 m in front of the device.

5.3. Acceptable ambient conditions

The device will work optimally at temperatures between -15°C and +40°C.

The ambient temperature must remain below +38°C when using the IBS-Special Cleaner Quick.

Do not place hot objects in the vicinity of the system's hazard zone.

5.4. On-Site Electricis

According to the regulation, the local installation may only be carried out by a qualified electrician.

The electrical supply line must be installed in accordance with the regulations and must comply with the information (Technical data) given in the operating instructions.

The device is fitted with a protective conductor terminal (grounded plug) for functionality purposes. The protective conductor extends up to the laminated core of the pump motor. There is consequently no conductive connection to the protective conductor of the plug outside of the motor housing. The cleaning device therefore complies with the requirements of Contact Protection Class II.

5.5. Additional equipment

5.5.1. IBS-Collecting Tray (see 8. Accessories list)

For the safe and environmentally-friendly absorption of water-hazardous substances in accordance with the requirements of the Water Management Act (WHG).

IBS-Collecting Trays are manufactured in accordance with the Directive on the Requirements for Steel Collecting Trays (StawaR) and feature the compliance mark.

5.5.2. IBS-Exhaust System (see 8. Accessories list)

5.6. Disposal

- The device is constructed primarily from steel (except the electrical components) and should be disposed of in accordance with the applicable local environmental regulations.
- Contaminated parts (e.g. hoses, cleaning brushes, cleaning cloths, etc.) should be disposed of in accordance with the applicable environmental regulations.
- Please contact IBS Scherer GmbH if you have any questions.
- Used IBS-Cleaning Fluids (old goods) will be collected by IBS Scherer and recycled as long as the mixing ban has been adhered to.
- If you use cleaning agents from other manufacturers, it is essential to read and follow the information and safety instructions provided by the manufacturer.
- The disposal is country specific, depending on your local requirements. Please check your personal options in advance.

5.7. Precautionary measures to be taken by the operator

IBS-Parts Cleaning Devices conform to type class A 1 (EN 12921-3; 3.15.1).



A danger area which is appropriate for the operating conditions (e.g. geometry and surface area of workpieces, intensity of cleaning) must be defined. For normal cleaning processes, IBS recommends a danger area of 2 m around the device.

DANGER!

The danger area identified by means of a risk assessment:

- Must be designated a fire hazard area
- Must remain free of obstructions in order to allow unimpeded access at all times
- Must be equipped with effective natural ventilation
- Smoking is not permitted in the danger area
- Naked flames or other sources of ignition are not permitted in the danger area
- Keep everything as clean as possible when working with cleaning agents, oils and lubricants
- Operating and maintenance personnel must receive proper training
- The operating instructions and the standard operating procedure must be attached to the device

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6. OPERATING THE MACHINE

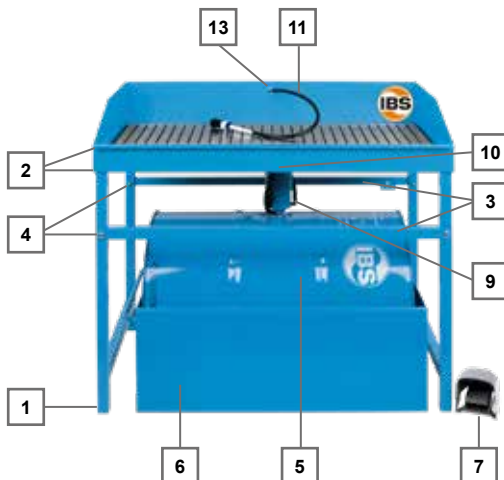
6.1. Controls

The device is switched on with a foot-operated safety switch.

6.2. Assembly and adjustment

6.2.1. Assembling the Parts Cleaning Device M and MD (M-500 see attachment)

- Remove the packaging.
- Insert the two base frames (1) into the round pipe sleeves (2) (located directly underneath the tray).
- Attach the two cross braces (3) to the base frames using the bolts supplied (4).
- Place the 200-litre drum (5) in the collecting tray (optional) (6) with the screw fitting facing upwards and remove the 2" bung adapter in the drum casing.
- Place the assembled device over the drum (5).



6.2.2. Assembling the IBS-Special Pump

- Tilt the drum (5) slightly. Insert the pump into the drum and screw the 2" threaded plug into the drum.
- Ensure that the pump outflow is facing to the left and the terminal box is facing towards the rear.
- Insert the return hose (9) into the hole in the 2" threaded plug.
- Attach the top end of the return hose (9) to the outlet connector (10) on the tray and secure it with the hose clip supplied.
- Attach the brush hose (11) to the pump outlet.
- Feed the brush hose (11) through the round hole in the rear wall of the tray (13) and insert the cleaning brush.
- Place the foot-operated safety switch (7) in front of the device.
- Insert the plug into the 230 V socket.
- Perform a function test: cleaning liquid must flow when the foot switch is pressed.

6.2.3. Operation

- Place the workpiece to be cleaned on the support rack.
- Press the foot switch to turn the device on.
- Clean the workpiece with the brush.
- Release the foot switch to turn the pump off.

6.2.4 Changing the drum

- Detach the brush hose (11) on the pump.
- Remove the return hose (9) from the drum (5).
- Switch off the power supply to the pump.
- Remove the pump from the drum whilst the drum is slightly tilted (5). Loosen the 2" threaded plug.
- Seal the drum with a 2" sealing cap for the drum body.
- Pull out the collecting tray from under the IBS-Parts Cleaning Device and stand the collecting tray (6 - Optional) upright with the drum using the handle.
- Replace the drum and carefully place the collecting tray back on the ground.
- Push it back under the IBS-Parts Cleaning Device.
- Remove the 2" sealing cap from the body of the drum.
- Assembling the IBS-Special Pump (please refer to section 6.2.2.).

NOTE

Please complete the warranty card (form) which you will find at www.ibs-scherer.com.

6.3. Fault identification and troubleshooting

Fault	Cause	Solution
Pump not working	No power	Check that mains plug is plugged in
	Pump is faulty	Replace pump
Pump not working	Liquid level in drum is too low	Check liquid level, if necessary ask IBS Scherer to change the drum
	Pump is faulty	Replace pump

If the steps described above do not resolve the problem please call 0049-67 01-93 83 -0 or contact us per e-mail at info@ibs-scherer.com.

6.4. Personal protective equipment

When handling cleaning agents, protective clothing must be worn in accordance with the safety data sheet for the industrial cleaner used. Solvent-resistant gloves, safety glasses and aprons must be used with all IBS-Special Cleaning Agents.

Glove material:

- Gloves made from polychloroprene (CR), recommended material thickness: > 0.5 mm, max. breakthrough time: 4 hours
- Gloves made from nitrile rubber / nitrile latex (NBR), recommended material thickness: > 0.35 mm
- Gloves made from fluororubber (Viton) (FKM), recommended material thickness: > 0.4 mm
- Permeation rate / breakthrough time: > 8 hours (EN 374)

The exact breakthrough time must be ascertained from the protective glove manufacturer and must be observed. Protective gloves should be replaced when they show the first signs of wear.

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7. MAINTENANCE / CLEANING

7.1. Maintenance / Cleaning work

The mains plug must be removed before carrying out any maintenance or cleaning work.

7.2. Inspection (German DGUV information 209-088 — section 5 / previously German BGR 180)

The IBS-Parts Cleaning Device must be inspected for safe working condition by qualified staff, at least once a year and additionally when required.

8. SPARE PARTS AND ACCESSORIES LIST

ANNEX

EC Declaration of Conformity Type M, MD, M-500



Description	M	MD	M-500	F	F2	G-50-I	G-50-W	K	KP	BK-50	L	A
IBS-Drip Tray	2120022	2120022	2120022		2120021	2120021	2120021	2120023	2120023	2120024	2120022	
IBS-Retrofit Kit K-50								2222063	2222063			
IBS-Basket System Type L											2222067	
IBS-Cleaning Brush — fine bristles 0.3 mm, bristles Ø/L: 35/50 mm	2222008	2222008	2222008	2222008	2222008	2222008	2222008	2222008	2222008	2222008	2222008	
IBS-Cleaning Brush — coarse bristles 0.5 mm, bristles Ø/L: 35/50 mm	2222009	2222009	2222009	2222009	2222009	2222009	2222009	2222009	2222009	2222009	2222009	
IBS-Cleaning Brush, wide — coarse bristles 0.5 mm, bristles Ø/L: 50/50 mm	2222010	2222010	2222010	2222010	2222010	2222010	2222010	2222010	2222010	2222010	2222010	
IBS-Cleaning Brush, long — coarse bristles 0.5 mm, bristles Ø/L: 35/80 mm	2222011	2222011	2222011	2222011	2222011	2222011	2222011	2222011	2222011	2222011	2222011	
IBS-Cleaning Brush, wide — natural hair, bristles Ø/L: 50/50 mm	2222050	2222050	2222050	2222050	2222050	2222050	2222050	2222050	2222050	2222050	2222050	
IBS-Cleaning Brush, standard — natural hair, bristles Ø/L: 35/50 mm	2222002	2222002	2222002	2222002	2222002	2222002	2222002	2222002	2222002	2222002	2222002	
IBS-Cleaning Brush, small — fine bristles 0.3 mm, bristles Ø/L: 20/50 mm	2222003	2222003	2222003	2222003	2222003	2222003	2222003	2222003	2222003	2222003	2222003	
IBS-Cleaning Brush, small — coarse bristles 0.5 mm, bristles Ø/L: 35/50 mm	2222091	2222091	2222091	2222091	2222091	2222091	2222091	2222091	2222091	2222091	2222091	
IBS-Cleaning Brush with rotary thread, bristles L/Ø: 55/35 mm												
IBS-Protective Gloves — 5-pack size L	2222093	2222093	2222093	2222093	2222093	2222093	2222093	2222093	2222093	2222093	2222093	2222051
IBS-Protective Gloves — 5-pack size XL	2050073	2050073	2050073	2050073	2050073	2050073	2050073	2050073	2050073	2050073	2050073	2222093
IBS-Protective Gloves — 5-pack size XXL	2050081	2050081	2050081	2050081	2050081	2050081	2050081	2050081	2050081	2050081	2050081	2050073
IBS-Extraction System	2120013		2120013					2120017			2120029	
IBS-Special Pump, with foot switch	2222056	2222056	2222056			2222089	2222089	2222057	2222057	2222080	2222082	
IBS-Special Pump, with foot switch - compressed air	2222064	2222064	2222064					2222065				
Splash guard	2222066	2222066	2222066									
Support grid (perforated plate)	2221000	2221000	2221000	2222018	2222021		2222019	2222017	2222017	2222019		
Support grid (slatted grid)	2222060	2222060	2222060	2222062	2222016	2222016		2222061	2222061			2222020
Air outlet grille with air connection											2222014	
Foot switch with cover	2222022	2222022	2222022			2222022	2222022	2222022	2222022	2222022	2222022	
Foot switch without cover				2222024	2222024							
Wheel, 1 piece				2222026	2222026							
Swivel castors with Euro stop												
On/off mechanism												2222027
IBS-Return hose	2221012	2221012	2221012	2221012	2221012	2221012	2221012			2221012	2221012	
Return connection, 3/4"				2222033	2222033					2222033		
Drum connection, 2"	2222036	2222036	2222036			2222036	2222036			2222036		
IBS-Brush hose (price per 1.0 m)	2222059	2222059	2222059	2222059	2222059	2222059	2222059	2222059	2222059	2222059	2222059	2222059
Gas spring 110N, quantity required: 2 pieces		1588894										

ANNEX TO THE ORIGINAL OPERATING INSTRUCTIONS

IBS-Parts Cleaning Device Type M-500 / Enhanced bearing capacity 500 kg

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Addition to 6.2.1. Assembling the Parts Cleaning Device

- We advise a two-man assembly to avoid damaging during the assembly of the IBS-Parts Cleaning Device Type M-500.
- Remove the packaging.
- Put in the two pedestals (1) into the tubular socket (located directly below the basin).
- Fix the two cross braces (2) with the enclosed screws (M8x50) on the pedestals.
- Fix the two diagonal braces (3) with the enclosed screws on the end with the frame (M8x50), other end with the rearward cross brace (M8x20).
- Place the 200 litre drum in the collecting tray (optional) with the screw connection facing upwards and remove the 2" sealing cap from the body of the drum.
- Place the assembled device on top of the drum.

EC DECLARATION OF CONFORMITY

as defined by Machinery Directive 2006/42/EC Annex II A

We hereby declare that the Parts Cleaner

Article Type	M	MD	M-500
Article-No.	2120003	2120301	2120404
Serial number	M017000 - M018500	MD041700 - MD042100	M500150 - M500399

conforms to the following Directives and Standards:

EC Directives

EC Machinery Directive 2006/42/EC

Applied Harmonised European Standards:

EN ISO 12100

Safety of machinery – General principles for design – Risk assessment and risk reduction

EN 12921-1

Machines for surface cleaning and pre-treatment of industrial items using liquids or vapours - Part 1: Common safety requirements

EN 12921-3

Machines for surface cleaning and pre-treatment of industrial items using liquids or vapours - Part 3: Safety of machines using flammable cleaning liquids

EN ISO 13854

Safety of machinery -
Minimum gaps to avoid crushing of parts of the human body

EN 60 204-1

Safety of machinery - Electrical equipment of machines - Part 1: General requirements

EN ISO 11200

Noise emitted by machinery and equipment

Applied (German) Technical Specifications:

DGUV-Information
209-088

Cleaning work pieces with liquid cleaning agents (Point 3.1.4. as well as Point 5)

Authorized for collecting all technical documentation:

Mr Torsten Bodtländer, IBS Scherer GmbH, Gewerbegebiet, 55599 Gau-Bickelheim



12.02.2020

Date

Axel Scherer, MSc. (General Manager)

If the above-named equipment is modified without our consent, this declaration is no longer valid.



Zertifikat

Nr. OA 174002

vom 04.04.2018



DGUV Test

Prüf- und Zertifizierungsstelle
Oberflächentechnik und Anschlagmittel
Fachbereich Holz und Metall

GS - Zertifikat

Name und Anschrift des
Zertifikatsinhabers:
(Auftraggeber) IBS Scherer GmbH
Gewerbegebiet
55599 Gau-Bickelheim

Produktbezeichnung: **Teilereinigungsgerät (Pinselwaschtisch)**

Typ: M + MD + M-500

Prüfgrundlage: GS-OA-04:2015-09 Grundsätze für die Prüfung und Zertifizierung von
Einrichtungen zum Reinigen industrieller Erzeugnisse mit flüssigen
Reinigungsmitteln

Zugehöriger Prüfbericht: Bearbeitungsnummer 17.06.01 vom 14.11.2017 und 03.04.2018

Weitere Angaben: Bestimmungsgemäße Verwendung:
Reinigen von öl- und fettverschmutzten Metallteilen

Dieses Zertifikat ersetzt das Zertifikat mit der Nummer 174002
vom 24.11.2017

Das geprüfte Baumuster stimmt mit den in § 21 Absatz 1 des Produktsicherheitsgesetzes
genannten Anforderungen überein. Der Zertifikatsinhaber ist berechtigt, das umseitig abgebildete
GS-Zeichen an den mit dem geprüften Baumuster übereinstimmenden Produkten anzubringen.
Der Zertifikatsinhaber hat dabei die umseitig aufgeführten Bedingungen zu beachten.

Dieses Zertifikat einschließlich der Berechtigung zur Anbringung des GS-Zeichens ist
gültig bis: **23.11.2022**

Weiteres über die Gültigkeit, eine Gültigkeitsverlängerung und andere Bedingungen regelt die
Prüf- und Zertifizierungsordnung.



Dipl.-Wirt.-Ing. Christian Adler



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und der Unfallverhütungsvorschriften der Beruflichen Hand
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IBS-BA_Typ_M_MD_M500-DE_CZ_PL_ES_EN_03.2020

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