

Slurry Filter Press

SFP 647



ZN der Bedienungsanleitung:

Erstellt am:

Erstellt von:

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Sabrina Linden

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GÖLZ® GmbH

Dommersbach 51

D-53940 Hellenthal

Telefon: (0) 2482 12 200 / Telefax: (0) 2482 12 222

E-Mail: info@goelz.de / Internet: www.goelz.de

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GÖLZ® GmbH
Dommersbach 51
D-53940 Hellenthal

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SFP647

Translation of the original operating instruction and spare parts list



EC-DECLARATION OF CONFORMITY

Manufacturer

GÖLZ® GmbH
Dommersbach 51, D-53940 Hellenthal
Tel.: +49 (0) 2482 12 200 / Fax: +49 (0) 2482 12 222

Declare hereby certifies on its sole responsibility that the following product:

SFP 647
Slurry filter press

Serial number: _____

which is explicitly referred to by this declaration meet the following directives:

2006/42/EG Safety and health requirement

meet the following standards:

EN 12100-1 / EN 12100-2

Documented evidence conforming to the requirements of the directives is kept available for inspection at the above manufacturer's address.



Hellenthal, den 07.08.2014

General Manager
B. Schmitz

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Preface

This operating manual is designed to familiarize the user with drill rig, hereinafter referred to as the machine, and to use its intended applications.

The operating manual contains important information on how to operate the machine safely, properly and most efficiently. Observing these instructions helps to avoid danger, to reduce repair costs and downtimes and to increase the reliability and the life of the machine.

This operating manual is to be supplemented by the respective national rules and regulations for accident prevention and environmental protection.

The operating manual must always be available wherever the machine is in use.

It is to be read and applied by any person in charge of work with or on the machine, such as:

- **Operation** including setting up, troubleshooting in the course of work, elimination of manufacturing waste, care and disposal of fuels and consumables.
- **Servicing** (maintenance, inspection, repair) and/or
- **Transport**

In addition to the operating manual and to the mandatory rules and regulations for accident prevention of the country and place of use of the machine, the recognized technical rules for safe and proper working conditions and procedures are also to be observed.

In this manual all the information required for the intended use of the unit is included. If though you have any specific questions, please refer to your representative, to one of our sales representatives or directly to us:

GÖLZ® GmbH

Dommersbach 51, D-53940 Hellenthal

Telefon: +49 (0) 2482 12 200 / Telefax: +49 (0) 2482 12 222

E-Mail: info@goelz.de / Internet: www.goelz.de

Warning signs and symbols



Wear safety glasses!



Wear hard hat!



Wear ear muffs!



Wear safety boots!



Wear safety clothes!



Wear dust protection!



Wear protective gloves!



Read owner's manual before first initiation!



Important advice!



Warning against hand injury!



General danger!



Never touch!

1. Technical data and accessory

1.1 Technical data of the machine

Type	SFP 647	
Pump	compressed air diaphragm pump, pneumatic	
Minimum air requirement	250 / 500	l/min
Minimum air pressure	6	bar
Maintenance unit, operating pressure	6	bar
Maintenance unit, operating temperature	0 - 50	°C
Stroke	420	mm
Piston-Ø	2 x 90	mm
Cylinder	hydraulic cylinder, double-acting	
Filter elements	470 x 470 x 40	mm
Recycling mass	1200 / 1900	l/Std.
Dimensions transport (L x W x H)	1200 x 800 x 1600	mm
Dimensions operation (L x W x H)	1200 x 800 x 1600	mm
Weight	560	kg

1.2 Provided accessory

- Suction hose and drain hose
- Hydraulic hose set
- Operating instruction
- Spare parts list

1.3 Optional accessory

	SFP 647
Compressor UNM 660-10-90D	✓
Additional tank 1200 x 8000 x 790	✓
Compressed air hose	✓
Tipping container with dripping water separator	✓

For the item number of accessories, please refer to the current catalogue of **GÖLZ®**
 If accessories are used which do not correspond to **GÖLZ®** specifications, no liability is assumed for any damage resulting hereof.

2. Description

2.1 Main parts



- | | |
|----------------|-------------------|
| 1) Filter unit | 5) Control panel |
| 2) Lifting eye | 6) Water gutter |
| 3) Chassis | 7) Lifting device |
| 4) Cylinder | |

2.2 Functional description

The machine SFP647 is a mobile drainage system for separating and filtering drill sludge and cutting sludge as well as industrial effluent in water and solid matters.

The SFP647 was developed specifically for wet sludge, produced by machines, with a solid content of 1-10%. Due to the innovative method and the stable and compact design, the SFP647 is not only economical but also an ecological highlight.

Filtration is controlled at 100% by compressed air. With a pressure of up to 6 bar a compact dry sludge, hereinafter called filter, is achieved. The achievable solid content depends on the sludge and the method.

The control panel is clearly arranged and allows for quick and easy handling of the machine.

Upon activation of the cylinder, the filter plates are pressed together. The cylinder is controlled in a way that, at any time, a safe and lasting tightening of the filter unit is ensured.

SFP647

Translation of the original operating instruction and spare parts list



The pump speed can be adjusted separately on the control unit.

The pump delivers, via the suction strainer, the sludge mixture and water mixture to the filter unit. The suction strainer prevents larger solids from being delivered by the pump.

The filter unit consists of seven filter plates: a head and end plate, as well as of five chamber plates. Between the filter plates there are the filter cloths. In the filtering process, the solid particles are held back by the filter cloths.


The filtered water is collected in the water gutter.


When the filter process is completed, the filter cakes between the filter plates can be removed. The dry filter cake can be disposed of via the recycling of building materials and the treated water can be reused for drilling, cutting and sawing or can be led to the sewer system.

The compact design offers easy transport. Via the eyebolt and the forklift straps, the machine can be transported by means of an industrial truck or a crane.

3. Basic safety instructions

In this manual the following terms and symbols are used for particular important information:

	<i>Note / Important: Contains important information which stands out from the other text!</i>
---	--

	<i>Attention: Contains instructions which must be strictly observed to prevent damage from the unit and the operator!</i>
---	--

Important text passages are highlighted in italics or bold or can be found in a grey highlighted text field.

3.1 Intended use

The machine has been built in accordance with state-of-the-art standards and the recognized safety rules. Nevertheless, its use may constitute a risk to life and limb of the user or of third parties, or cause damage to the machine and to other material property.

The machine must only be used in technical perfect condition in accordance with its designated use and the instructions set out in the operating manual, and only by safety-conscious persons who are fully aware of the risks involved in operating the machine. Any functional disorders, especially those affecting the safety of the machine, should therefore be rectified immediately!

The machine is exclusively intended for filtering drill sludge and cutting sludge as well as industrial effluent with a solid content of 1-10%. Using the machine for purposes other than mentioned above is considered contrary to its designated use. The **GÖLZ® GmbH** cannot be held liable for any damage resulting from such use. The risk of such misuse lies entirely with the user.


Operating the machine within the limits of its designated use also involves observing the instructions set out in the operating manual and complying with the inspection and maintenance directives.

	<i>Attention: Read and observe all the operating instructions which belong to this unit!</i>
---	---

3.2 Operating range

The operating range of the unit can be extended due its wide range of accessories allowing easy retrofitting which can be carried out by the operating personnel themselves.

Do not modify, add components to or retrofit the unit in a way which could affect its safety and do not use non-official accessories! This is not allowed without prior approval of **GÖLZ® GmbH**!

	<i>Note: Read and observe the operating instructions to the accessories!</i>
---	---

3.3 Organisational measures

This operating manual must always be at hand at the place of use of the machine and must be accessible to the person operating the machine!

In addition to this operating manual, all other generally applicable legal and other mandatory regulations relevant to accident prevention and environmental protection must be observed! Such obligations may also comprise the handling of hazardous materials, provisioning and/ or wearing of personal protective equipment, or road traffic regulations.

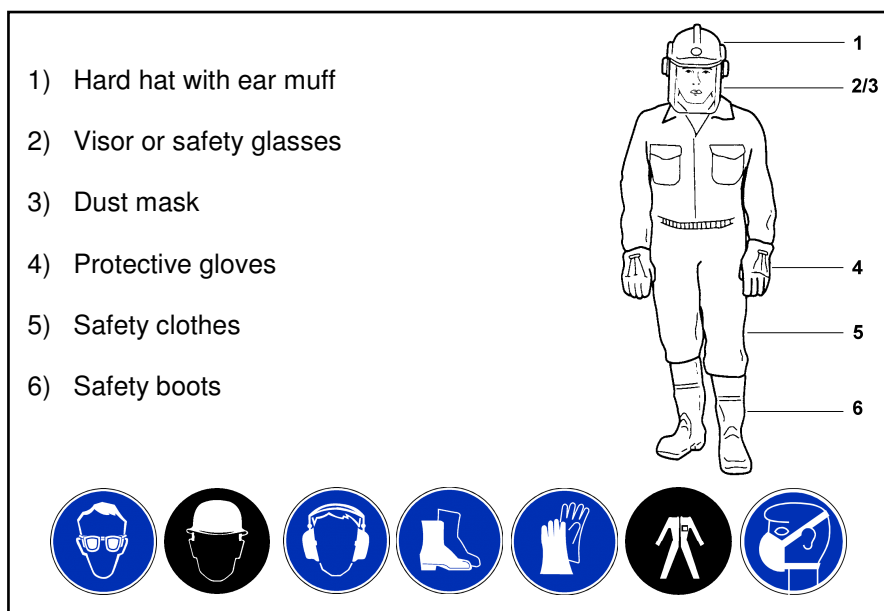
This operating manual must be supplemented by instructions covering the duties involved in supervising and notifying special organizational features, such as job organization, work flows or the person entrusted with the work. Person entrusted with work on the machine must have read the operating manual prior to taking up work. This applies especially to persons working only occasionally on the machine, e.g. during set-up or maintenance activities.

Check - at least from time to time - whether the personnel is carrying out the work in compliance with the operating manual and paying attention to risks and safety-relevant factors.

For reasons of safety, long hair must be tied back or otherwise secured, garments must be close-fitting and no jewellery - including rings - may be worn.

Severe injury may result from being caught by moving parts of the machine. Personal protective equipment must be used wherever required by the circumstances or by law (e.g. safety glasses, ear protectors, safety boots, suitable safety clothing). Observe the regulations for prevention of accidents! Observe all safety precautions and warnings attached to the machine and always keep them in good and perfectly legible condition.

The personal protection equipment should consist of the following parts:



In case event of safety-relevant modifications or changes in the behaviour of the machine, stop the machine immediately and report the malfunction to the competent authority/ person. Do not remove or make inoperative any safety devices the machine is equipped with.

Never make any modifications, additions or conversions which might affect safety without **GÖLZ® GmbH** prior approval! This also applies to the installation and adjustment of safety devices as well as to welding and drilling work on supporting structures.

Damaged or worn parts of the product must be replaced immediately. Use genuine spare parts only.

All spare parts and tools must comply with the technical requirements specified by the manufacturer/ distributor. Adhere to the legally prescribed preventive maintenance and inspection intervals or those specified in this operating manual!

Hydraulic hose pipes must be changed within the specified or appropriate intervals, even if no safety-relevant defects are visible.

All maintenance and repair activities must be performed by qualified personnel using suitable tools and other suitable workshop equipment. Observe the fire alarm and fire fighting measures. The personnel must be made familiar with the location and handling of fire extinguishers!

3.4 Selection and qualification of person

Only permitted personnel is allowed to work on and with the machine! The legal minimum age is to be observed! Only assign trained and instructed personnel! Clearly define the responsibilities of the personnel with regard to operating, setting-up, maintaining and repairing the machine! The **GÖLZ® GmbH** can assist you in training your personnel.

Make sure that only instructed and competent personnel works on the machine. Define the responsibility of the machine operator, also in terms of traffic regulations and enable him to refuse instructions of third parties which breach safety regulations.

Personnel that is to be trained or to be instructed or that is serving a general training is only to be permitted to operate the machine under the supervision of an experienced person.

To operate the machine you must be rested, in good physical condition and mental health. If you have any condition that might be aggravated by strenuous work, check with your doctor before operating with the machine. Do not operate the machine if you are under the influence of any substance (drugs, alcohol) which might impair vision, dexterity or judgment.

Works on electrical, pneumatic, combustion and hydraulic fittings and equipment are only to be carried out by qualified personnel or instructed people being directed and supervised by qualified personnel in compliance with the respective rules!

3.5 Safety instructions governing specific operational phases

Avoid any operational mode that might be prejudicial to safety!

Before beginning work, familiarize yourself with the surroundings and circumstances of the site, such as obstacles in the working and travelling area, the soil bearing capacity and any barriers separating the construction site from public roads.

Take the necessary precautions to ensure that the machine is used only when in a safe and reliable state. Operate the machine only if all protective and safety-oriented devices, such as removable safety devices, emergency shut-off equipment, sound-proofing elements and exhausters, are in place and fully functional. Regard all safety specifications!

Check the machine at least once per working shift for obvious damage and defects. Report any changes (incl. changes in the machine's working behavior) to the competent organization/ person immediately. If necessary, stop the machine immediately and lock it. Have any defects rectified immediately.

At any time, ensure the operator has sufficient view to his working area, in order to have intervention to the working process.

During start-up and shut-down procedures always watch the indicators in accordance with the operating instructions!

Before starting or setting the machine in motion, make sure that nobody is at risk. Keep children and unauthorized persons away from the work area.

Noise protection equipment on the unit must be in protective position during operation. Wear the required individual ear protection!

Always keep at a distance from the edges of building pits and slopes. Avoid any operation that might be a risk to machine stability! Keep the work area clean.

Cluttered areas and benches invite injuries! Do not operate when you are tired! Watch what you are doing!

Risk of stumbling! Cables and hoses must complete rolling up. After assembly do not leave any tools, a wrench for example, on the unit.

Before leaving the machine always secure it against unauthorized use!

3.6 Special work related to the maintenance and repair of the machine

Observe the adjustment, maintenance and inspection activities and intervals set out in the operating instructions, including information on the replacement of parts and equipment! These activities may be executed by skilled personnel only.

Brief operating personnel before beginning special operations or maintenance work, and appoint a person to supervise the activities.

In any work concerning the operation, conversion or adjustment of the machine and its safety-oriented devices or any work related to maintenance, inspection and repair, always observe the start-up and shut-down procedures described in the operating instructions and the information on maintenance work. Ensure that the maintenance area is adequately secured.

Carry out maintenance and repair work only if the machine is positioned on stable and level ground and has been secured against inadvertent movement and buckling. If the machine is completely shut down for maintenance and repair work, it must be secured against inadvertent starting.

To avoid the risk of accidents, individual parts and large assemblies being moved for replacement purposes should be carefully attached to lifting tackle and secured. Use only suitable and technically perfect lifting gear and suspension systems with adequate lifting capacity. Never work or stand under suspended loads.

The fastening of loads and the instructing of crane operators should be entrusted to experienced persons only. The marshaller giving the instructions must be within sight or sound of the operator.

For carrying out overhead assembly work always use specially designed or otherwise safety-oriented ladders and working platforms. Never use machine parts as a climbing aid. Wear safety harness when carrying out maintenance work at greater heights.

Clean the machine, especially connections and threaded unions, of any traces of oil, fuel or preservatives before carrying out maintenance / repair. Never use aggressive detergents. Use lint-free cleaning rags.

Before cleaning the machine with water, steam jet or detergents, cover or tape up all openings which - for safety and functional reasons - must be protected against water, steam or detergent penetration.

Do not clean the machine with a high-pressure cleaner. The hard water jet can put damage to parts of the machine. After cleaning, remove all covers and tapes applied for that purpose.

After cleaning check the machine for loose connections, chafe marks and damage! Have identified defects repaired immediately!

Always tighten any screwed connections that have been loosened during maintenance and repair.

Any safety devices removed for set-up, maintenance or repair purposes must be refitted and checked immediately upon completion of the maintenance and repair work. Ensure that all consumables and replaced parts are disposed of safely and with minimum environmental impact.

3.7 Information about special risks with electrical energy

Observe the relevant national regulations or standards. Electrical connections must always be kept free from dirt and moisture.

Use only original fuses with the specified rating! Switch off the machine immediately, if trouble occurs in the electric power supply!

If your machine comes into contact with a live wire:

- warn others against approaching and touching the machine
- have the live wire de-energized

When working with the machine, maintain a safe distance from overhead electric lines. If work is to be carried out close to overhead lines, the working equipment must be kept well away from them. **Caution, danger to life!**

- Check out the prescribed safety distances.
- Work on the electrical system or equipment may only be carried out by a skilled electrician himself or by specially instructed personnel under the control and supervision of such electrician and in accordance with the applicable engineering rules.
- If provided for in the regulations, the power supply to parts of machines and plants, on which inspection, maintenance and repair work is to be carried out must be cut off.
- Before starting work, check the de-energized parts for the presence of power and ground or short-circuit them in addition to insulating adjacent live parts and elements.

The electrical equipment of machines is to be inspected and checked at regular intervals. Defects such as loose connections or scorched cables must be rectified immediately.

Necessary work on live parts and elements must be carried out only in the presence of a second person who can cut off the power supply in case of danger by actuating the emergency shut-off or main power switch. Secure the working area with a red-and white safety chain and a warning sign. Use insulated tools only.

If mobile electrical equipment, connecting cables and/ or extension/ appliance cords with plug connectors are used, ensure that such equipment, cables and cords are checked for correct function at least once every six months by a qualified electrician or - if suitable testing equipment is available - by a properly instructed person.

Protective installations with fault-current protection units used in non-stationary equipment must be checked for correct operation at least once a month by a properly instructed person.

Fault-current and fault-voltage protection units must be checked for correct operation by actuating the testing facility:

- once on every working day in the case of mobile equipment,
- at least once every six months in the case of stationary equipment.

3.8 Gas, dust, steam, smoke

Welding, burning and grinding operations on the machine are only to be carried out if this is explicitly authorized (there is the danger of fire and explosion)!

Before welding, burning and grinding operations clean the machine and its surrounding area from dust and flammable substances and care for sufficient ventilation (danger of explosion)!

When working in confined spaces observe any existing national regulations!

3.9 Hydraulic

Work on hydraulic equipment may be carried out only by persons having special knowledge and experience in hydraulic systems.

Check all lines, hoses and screwed connections regularly for leaks and obvious damage. Repair damage immediately. Splashed oil may cause injury and fire.

Depressurize all system sections and pressure pipes to be removed for the unit concerned before carrying out any repair work. Hydraulic must be laid and fitted properly.

Ensure that no connections are interchanged. The fittings, lengths and quality of the hoses must comply with the technical requirements.

3.10 Pneumatic

Work on pneumatic equipment may be carried out only by persons having special knowledge and experience in pneumatic systems.

Check all lines, hoses and screwed connections regularly for leaks and obvious damage. Repair damage immediately.

Depressurize all system sections and pressure pipes to be removed for the unit concerned before carrying out any repair work. Pneumatic must be laid and fitted properly.

Ensure that no connections are interchanged. The fittings, lengths and quality of the hoses must comply with the technical requirements.

3.11 Noise

During operation sound protection devices on the machine must be in safe position. Wear the prescribed personal ear protection! (UVV 29 § 10, Article 29 of the Accident Prevention regulations).

3.12 Illumination

The machine is designed for use in daylight! The machine operator / owner must ensure sufficient workplace lighting for non-illuminated work sites!

3.13 Oils, greases and other chemical substances

When handling hydraulic fluids, lubricants, greases or preservatives (referred to hereinafter as fuels and lubricants), the safety regulations which apply to the respective machine are to be observed!

Avoid long contact of the fuels and lubricants with your skin! Careful cleaning of the skin from adhering fuels and lubricants is necessary.

Be careful when handling hot consumables (risk of burning or scalding) particularly at liquid temperatures above 60°C, avoid any skin contact with these liquids!

If you get fuels or lubricants in your eyes, rinse them immediately and carefully with potable water. Then consult a doctor.

Remove flown out fuels and lubricants immediately! Therefore use a binder.

Fuels and lubricants must not seep into the soil or into the public sewage system! Fuels and lubricants which can no longer be used are to be collected, properly stored and to be properly disposed of.

The respective regulations and laws for handling fuels and lubricants which are valid in the country of use are to be observed and adhered to. This also applies to the disposal of such fuels and lubricants.

To inform yourself turn to the responsible authorities.

3.14 Transport

Use only suitable means of transport and lifting gear of sufficient capacity when loading or transporting the machine! Appoint an experienced instructor for the lifting operation!

Always observe the instructions given in the operating manual when lifting the machine (use only the prescribed lifting eyes for attaching the lifting gear)!

Use only suitable transport vehicles with sufficient load capacity! Secure the load carefully. Use suitable fastening points for securing!

Before loading the machine or parts of it, secure the machine against inadvertent movement! Attach a suitable warning sign!

Before using the machine again, make sure that such protection material or devices are properly removed! Parts which had to be removed for transporting of the machine must be refitted and secured carefully before the machine is used again!

Before setting the machine in motion always check that all accessories are safely stowed.

The recommissioning procedure must be strictly in accordance with the operating instruction! Observe the instructions given in the operating instruction when reassembling and operating the machine.



Caution: Before transport make sure that all parts on and at the machine are tightly fit!

3.15 Store

Store the machine in a dry, high or locked place, out of the reach of children or unauthorized persons. Clean and preserve the machine with corrosion preventive if storing over a longer time like winter time!

4. Bringing into service



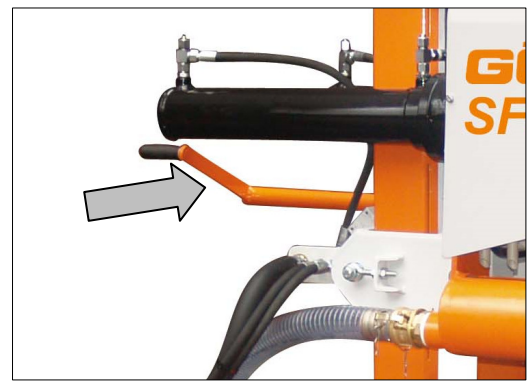
Attention: Do not yet turn the machine on! The following work is to be done with the machine being stopped!

4.1 Export checking

Remove the transport packaging and place the unit vertically on a horizontal, flat and stable surface. Dispose of the transport packaging according to environmental regulations. Since the unit is delivered completely assembled, you need only check if it is complete and intact. For the scope of delivery, see "Technical Data and Accessories".

4.2 Setting up

By means of a toothed rod thread, put the filter unit to the desired height.



Connect the hoses.

4.3 Compressed-air supply



Note: Read and observe the operating instructions of the compressor!

In order to prepare the operation of the compressor, refer to the corresponding operating instructions!

5. Operation



Caution: Clear the site of operation of all things which could interfere with the operation! Make sure that the machine is properly mounted! Except the operator, nobody is allowed to remain in the working area!



Warning: During operation, do not touch moving components such as filter plates, etc.!



Warning: Do not touch moving components such as filter plates, etc.! Risk of crushing!

5.1 Before starting

Set the machine up according to the chapter "Operation" and check for safe operating condition:

- All components must be mounted properly.
- The functions of the machine must work properly.
- Do not make any changes to the control device and the safety devices!

The machine must only be operated in safe operating condition! Observe and comply with the conditions specified for the connection of the compressed-air supply.



Caution: Only use oil-free compressed air!

Lay connection lines so that damages and injuries can be excluded.

Pressure setting on the manometer



Note: The pressure regulator on the manometer is preset to 6 bar by default!

Unlock the pressure regulator by pulling the rotary knob on the manometer. Set the desired pressure by turning. Press the rotary knob on the manometer down again in order to lock the pressure regulator.

5.2 Starting the compressed-air supply



Note: Read and observe the operating instructions of the compressor!

For operating the compressor, refer to the corresponding operating instructions!

5.3 Operating elements



- | | | |
|-----------------------------------|-----------------------------|---------------------------------|
| 1) Key starter | 4) Rotary switch pump | 7) Manometer hydraulic pressure |
| 2) Emergency stop mushroom button | 5) Rotary switch pump speed | |
| 3) Selector switch Press | 6) Manometer water pressure | |

5.4 Starting the filtering process

- | | |
|--|---|
| | Important: Observe all the previous chapters in this operating manual, in particular the safety and warning instructions! |
| | Warning: During operation, do not touch moving components such as filter plates, etc.! |
| | Caution: Only transport the machine when the pressure system is switched off! This also applies to a short change of location! |
| | Caution: Wear appropriate personal protective equipment! |

Pay attention to the safety distance for third parties and take the operator's station on the machine.
Connect the compressor to the machine. After filling, turn the key switch (Pos. 1) to "On", start the compressor and unlock the emergency stop mushroom button (Pos. 2).
Close the filter unit, let the selector switch (Pos. 3) be set on "Press closed". Wait until the hydraulic pressure is between 150-220 bar.



Attention: The rotary switch start-up speed must always be set to a slow speed when starting the water pump!

In order to start the filter process, turn on the pump. For this purpose set, within the switching range of the pump ("Pump"), the rotary switch Pump (Pos. 4) from "Off" to "On". The rotary switch start-up speed (Pos. 5) should be turned to the right in order to slowly start the pumping process.

By means of the pressure regulator (Pos. 5), you can, if necessary, regulate the air supply to the pump.

As soon as there is sufficient back pressure respectively the pump greatly slows down while aspirating, turn the speed controller to the left in order to operate the pump with the full volume flow.



Attention: The suction strainer must always be under water so that the pump pulls no air! Pulled-in air can damage the pump!

The filtering process is completed when only little filtered water is running out of the filter plates into the water gutter or when the pressure indicator on the pressure gauge (Pos. 6) remains constant (about 5.8 bar).

5.5 Completing the filtering process

In order to end the filtering process, first switch off the pump. For this purpose, turn the rotary switch Pump (Pos. 4) from "On" to "Off" Also turn again the rotary switch start-up speed (Pos. 5) to the "slow operation". Now wait for a few seconds until the water pressure has dropped slightly.

Set the selector switch to "Press open", the filter unit opens and the filter cakes automatically fall out. Ensure that six filter cakes fall out of the machine, then close the press again.



Information: Dispose of the filter cakes in an environmentally sound way!

6. Maintenance and care



Caution: All maintenance, repair and care work must only be carried out when the pneumatic system is switched off!

In accordance to the given cycles, the subsequently described maintenance work has to be enforced. Also the wearing parts subject to no certain maintenance-intervals have to be checked regularly for wear and to adjust if necessary or to exchange.

		Before starting work	After work	Weekly	In the event of a malfunction	If damaged
Machine	Check	x			x	x
	Clean		x			
Chamber plate	Clean		x			
Cover plate	Check for gasket	x	x			
	Clean		x			
End plate	Clean		x			
Pressure filter	Clean		x			
Hoses	Clean		x			
Hydraulic oil	Check			x	x	
	Replace				All 500 hours but at least 1x/year	
Roller guide	Adjustment				x	x
Hydraulic cylinder	Check			x	x	

6.1 Pressure filter

The pressure filter in the maintenance unit should be regularly cleaned of condensed water and dirt. Unscrew the tank at the maintenance unit and loosen the baffle disc from the filter. Take the filter out and put it into a solvents such as petrol in order to clean it. Before mounting the filter again, it must be dry.



Caution: Ensure proper seal!



Caution: Petrol available at petrol station is not cleaning benzene!

6.2 Control panel

Protect the control panel against direct sludge.

Avoid cleaning the control unit with a high-pressure cleaner. This could damage hoses and valves.

Maintain the control panel after cleaning with oil-based maintenance spray.

6.3 Double diaphragm pump

The cleaning of the double diaphragm pump must be performed after each use, in order to ensure an efficient use and a long service life.

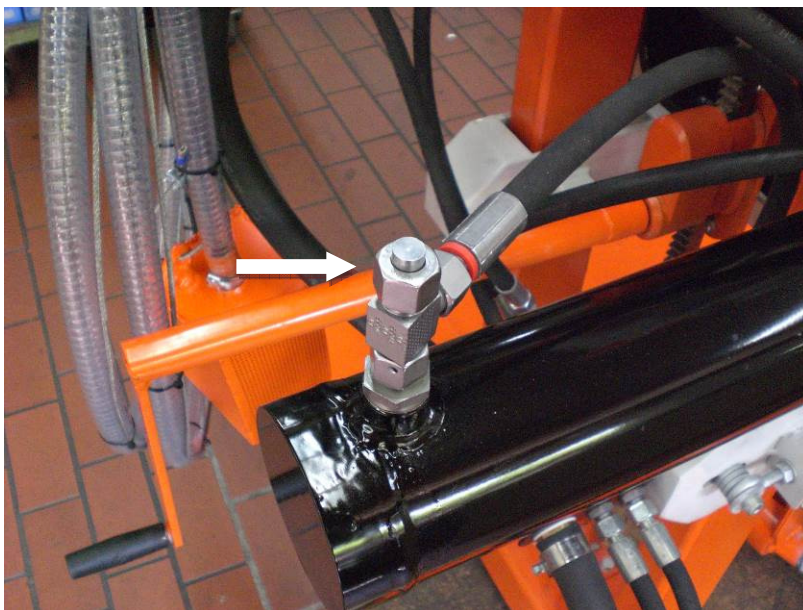
For cleaning only use cold and clear water.

Place the suction strainer into a suitable container and allow the pump to pump for about 1 minute.

6.4 Hydraulic system

Change the hydraulic pump or do other maintenance work, which becomes necessary due to the opening of the hydraulic system. After maintenance, this system must be bled again. The air bleeding plugs on the respective cylinders serve this end (see photo).

Or contact, if necessary the customer service of **GÖLZ**[®].



SFP647

Translation of the original operating instruction and spare parts list

Regularly check the oil level in the hydraulic system (see photo).



6.5 Slurry filter press

After each use, clean the individual filter cloths with cold, clear water.
Grease the toothed rack regularly in order to avoid corrosion and to ensure a smooth run.
Treat any paint damage immediately to avoid corrosion.

7. Troubleshooting

Cause	Remedy
The machine does not start	
No compressed-air supply	Check the connection of the compressor to the machine. When doing so, observe the operating instructions of the compressor! Should the machine not start, contact our service.
Emergency stop mushroom button is not deactivated	Deactivate the emergency stop mushroom button.
The pump is not running	
Rotary switch pump defective	Change or have changed the rotary switch pump
Inlet strainer and hose are clogged	Check the inlet strainer and the hose for clogging and clean them, if necessary.
The valve balls are dirty, stuck or worn	Check the valve balls for damage, dirt or wear!
The suction hose is leaky	Replace the Kamlock coupling respectively replace the hose
The hydraulic system does not build up pressure	
There is too little oil in the reservoir (See dipstick)	Fill up hydraulic oil (HLP-46)
The hydraulic filters are dirty	Clean the hydraulic filters
A hydraulic hose or a hydraulic cylinder shows a leakage	Get in contact with the customer service of GÖLZ®!

8. Spare parts list

8.1 Using the spare parts list

The spare parts list is not a mounting or dismounting instruction. The only purpose of the spare parts list is to easily and quickly find spare parts which can be ordered with distribution agencies, see chapter 9.1.3 "Distribution agencies".

8.1.1 Safety regulation

	<i>Danger: Mounting or dismounting assembly groups can give rise to risks which are not mentioned in the spare parts list!</i>
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Using this spare parts list for mounting or dismounting purposes is not permitted. For assembly and disassembly work exclusively the corresponding descriptions in this operating manual are to be followed.




	<i>Danger: Non-observance of this instruction can result in injury which, in the worst case, can result in death!</i>
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8.1.2 Ordering information

	<i>Note: In order to avoid wrong deliveries the information the ordering information should be checked for accuracy and completeness before sending it! Completely indicate the delivery address!</i>
--	--

GÖLZ® GmbH D - 53940 Hellenthal Tel. (02482) 120	
Typ	
<input type="text" value="SFP 647"/>	
Baujahr	Maschinen-Nr.
<input type="text" value="20XX"/>	<input type="text" value="XXXXX"/>
Gew. kg	kW
<input type="text" value="XX"/>	<input type="text" value="XXXXX"/>



		
So bekommen Sie schnell und richtig Ihr Ersatzteil	Always indicate	Pour obtenir rapidement les pièces de rechange indiquer
<ul style="list-style-type: none"> Maschinentyp gemäß Typenschild Baujahr gemäß Typenschild Artikelnummer gemäß Ersatzteilliste Maschinennummer gemäß Typenschild 	<ul style="list-style-type: none"> machine type according to nameplate year of manufacture according to nameplate order number according to spare part list serial number according to nameplate 	<ul style="list-style-type: none"> type de la machine conforme de plaque d'identification Année de construction selon plaque d'identification Numéro de l'article selon la liste des pièces de rechange numéro de la machine conforme de plaque d'identification
Für Bestellungen, Fragen und Informationen wenden Sie sich bitte an die zuständigen Stellen.	For orders, questions and information, please contact the competent departments.	Pour les commandes, questions et informations, veuillez-vous adresser aux points de ventes correspondants.

8.1.3 Distribution agencies

Deutschland – Germany - Allemagne GÖLZ® GmbH Dommersbach 51 DE-53940 Hellenthal Tel: +49 (0)2482-12 200 Fax: +49 (0)2482-12 222 E-Mail: info@goelz.de / Internet: www.goelz.de	
Österreich - Austria - Autriche GÖLZ® Ges.m.b.H Samstraße 52 A-5020 Salzburg Tel: +43 (0) 662 - 43 81 75 Fax: +43 (0) 662 - 43 07 34 E-Mail: info@goelz.at / Internet: www.goelz.at	Frankreich - France - France GÖLZ® S.A.S. 1, rue de la Mairie F-67370 Berstett Tel: +33 (0)3.88.59.43.00 Fax: +33 (0)3.88.59.47.77 E-Mail: info@golz.fr / Internet: www.golz.fr
Großbritannien - Great Britain - Grande-Bretagne GÖLZ® (UK) Ltd. Unit A5, Springhead, Enterprise Park Northfleet Kent DA11 8HB Tel: +44 1 474321679 Fax: +44 1 474321477 E-Mail: info@goelz.co.uk / Internet: www.goelz.co.uk	Benelux GÖLZ® Benelux Eupener Straße 61 BE-4731 Raeren-Eynatten Tel: +49 (0)2482-12 200 Fax: +49 (0)2482-12 222 E-Mail: benelux@goelz.de / Internet: www.goelz-online.com
Australien - Australia - Australie GOLZ® Pty Ltd. 44 Stanley Street Peakhurst, NSW 2210 Tel: +61 (0) 2 9534 5599 Fax: +61 (0) 2 9534 5588 E-mail: info@golz.com.au / Internet: www.golz.com.au	USA GOLZ® L.L.C. 5860 East Osage Ridge Lane Columbia MO 65203-6018 Tel: +1 573 474 4961 E-Mail: info@golzusa.com / Internet: www.goelz-online.com

8.2 Wearing parts

Wearing parts for construction devices mentioned in the operating manual such as drilling and sawing machines.

Wearing parts are the parts subject to operation-related (natural) wear during proper use of the device. The wearing time cannot be uniformly defined, and differs according to the intensity of use. The wearing parts must be adjusted, maintained and, if necessary, replaced for the specific device in accordance with the manufacturer's operating manual. Operation-related wear is not a reason for defect claims.

Wearing parts of this machine are grey marked in the spare parts list.

- Feed and drive elements such as toothed racks, gearwheels, pinions, spindles, spindle nuts, spindle bearings, cables, chains, sprockets, belts
- Seals, cables, hoses, packings, connectors, couplings and switches for pneumatic, hydraulic, water, electrical and fuel systems
- Guide elements such as guide strips, guide bushes, guide rails, rollers, bearings, sliding protection supports
- Clamping elements for quick-separating systems
- Flushing head seals
- Slide and roller bearings that do not run in an oil bath
- Shaft oil seals and sealing elements
- Friction and safety clutches, braking devices
- Carbon brushes, commutators / armatures
- Easy-release rings
- Control potentiometers and manual switching elements
- Securing elements such as plugs, anchors, screws and bolts
- Fuses and lamps
- Auxiliary and operating materials
- Bowden cables
- Discs
- Diaphragms
- Spark plugs, glow plugs
- Parts of the reversing starter such as the starting rope, starting pawl, starting roller and starting spring
- Sealing brushes, rubber seals, splash protection cloths
- Filters of all kinds
- Drive rollers, deflection rollers and bandages
- Cable anti-twist elements
- Running and drive wheels
- Water pumps
- Cut-material transport rollers
- Drilling, parting and cutting tools
- Energy storage

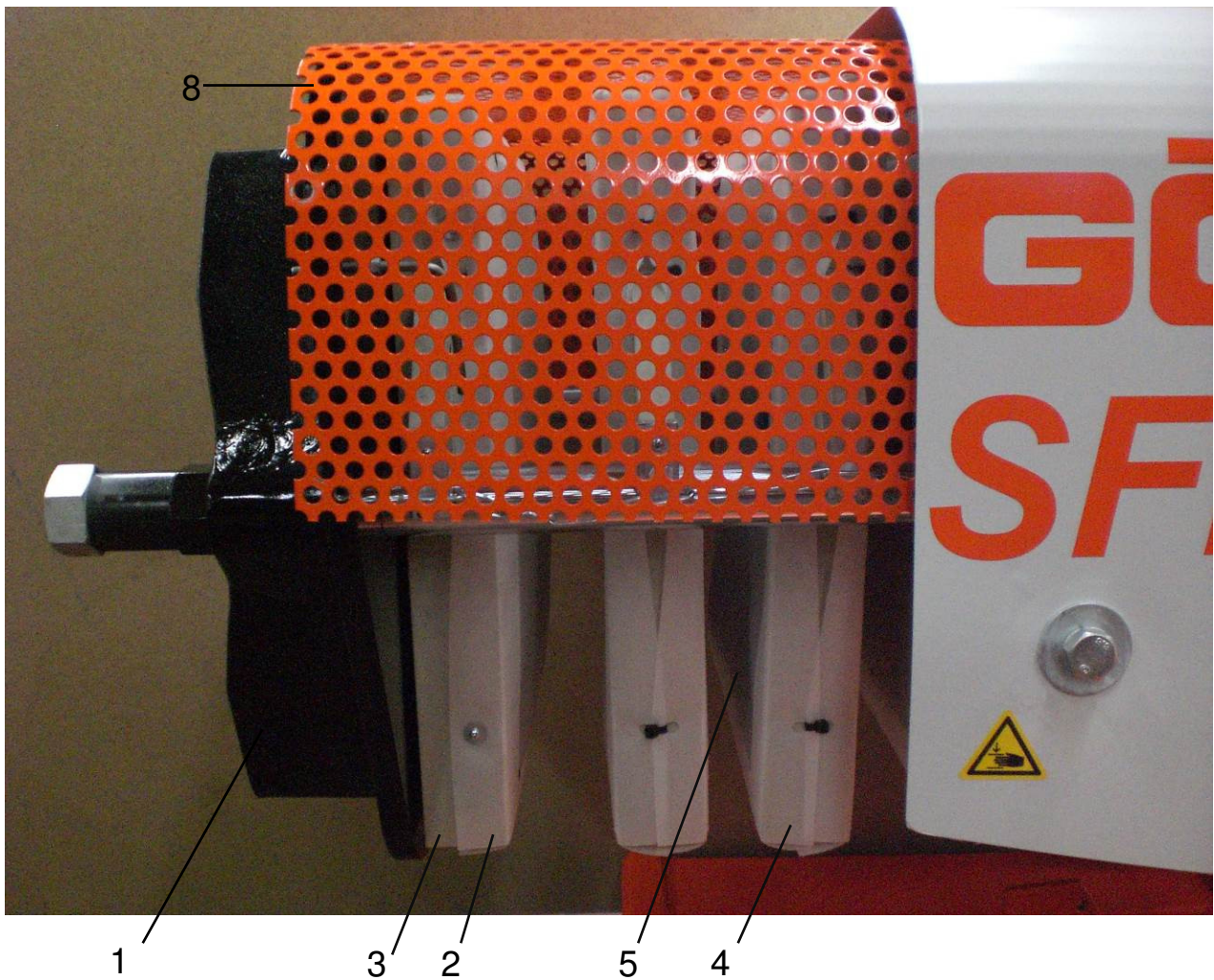
9. Exploded view and spare parts list

9.1 Machine



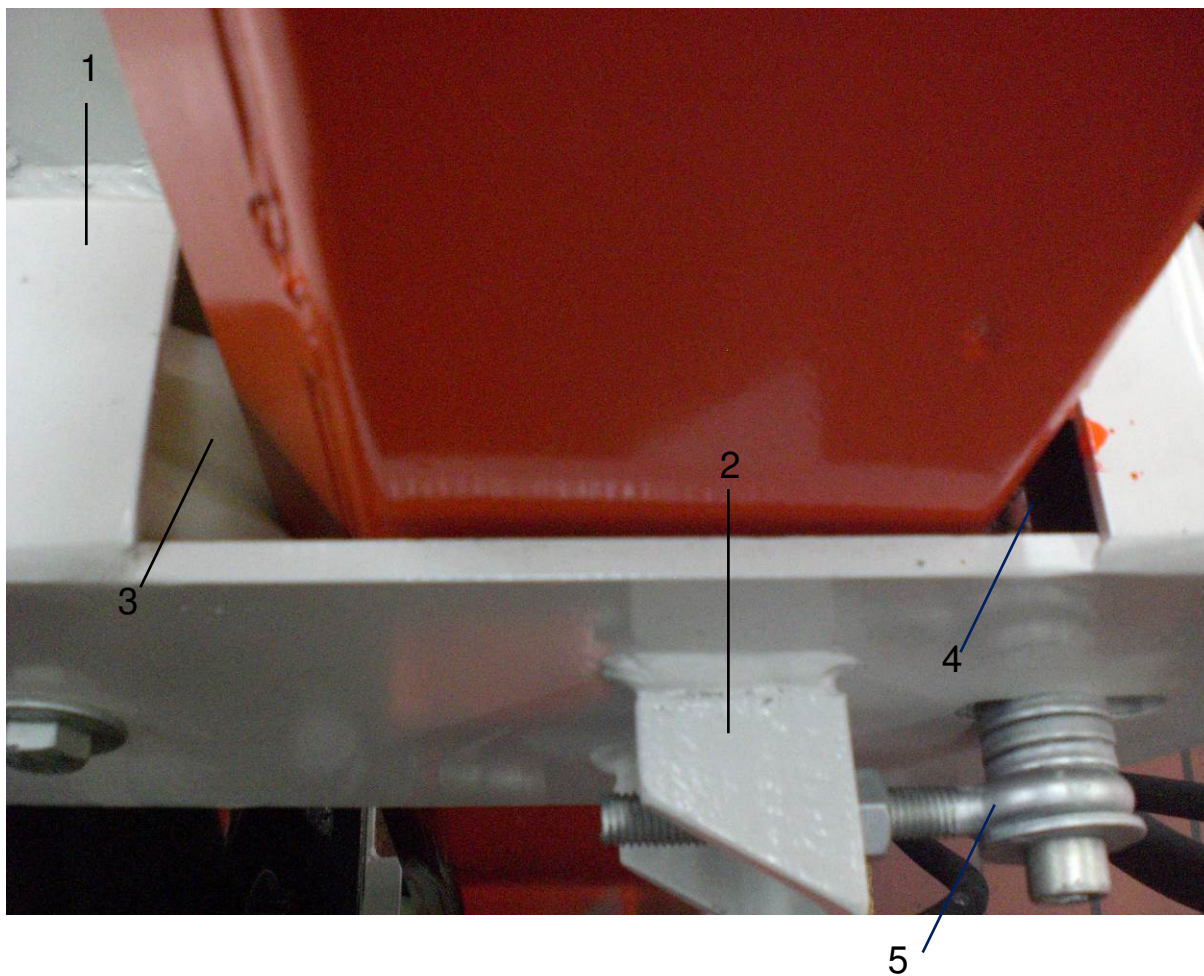
Pos.	Artikel-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
1	-	1	-	Staplerausf.	Maschinenfuß	Mounting foot	Socle de machine
2	-	2	-	-	Führungssäule	Guide column	Colonne
3	-	1	-	-	Saugschlauch	Suction hose	Flexible d'aspiration
4	-	1	-	-	Verbindungsschlauch	Connecting hose	Flexible de connexion
5	-	2	-	Vater- Mutter	Hydraulikschlauchsatz 10L	Hydraulic hose set 10L	Jeu de flexible hydrauliques 10L
6	-	1	-	-	Wasserrinne	Water gutter	Rigole
7	-	1	-	Inkl. 2 Zylinder, Gegen- und Zugplatte	Filtereinheit kpl.	Filter unit complete	Unité filtre complet
8	-	1	-	starr	Schutzhaube	Guard	Capot protecteur

9.2 Filter unit



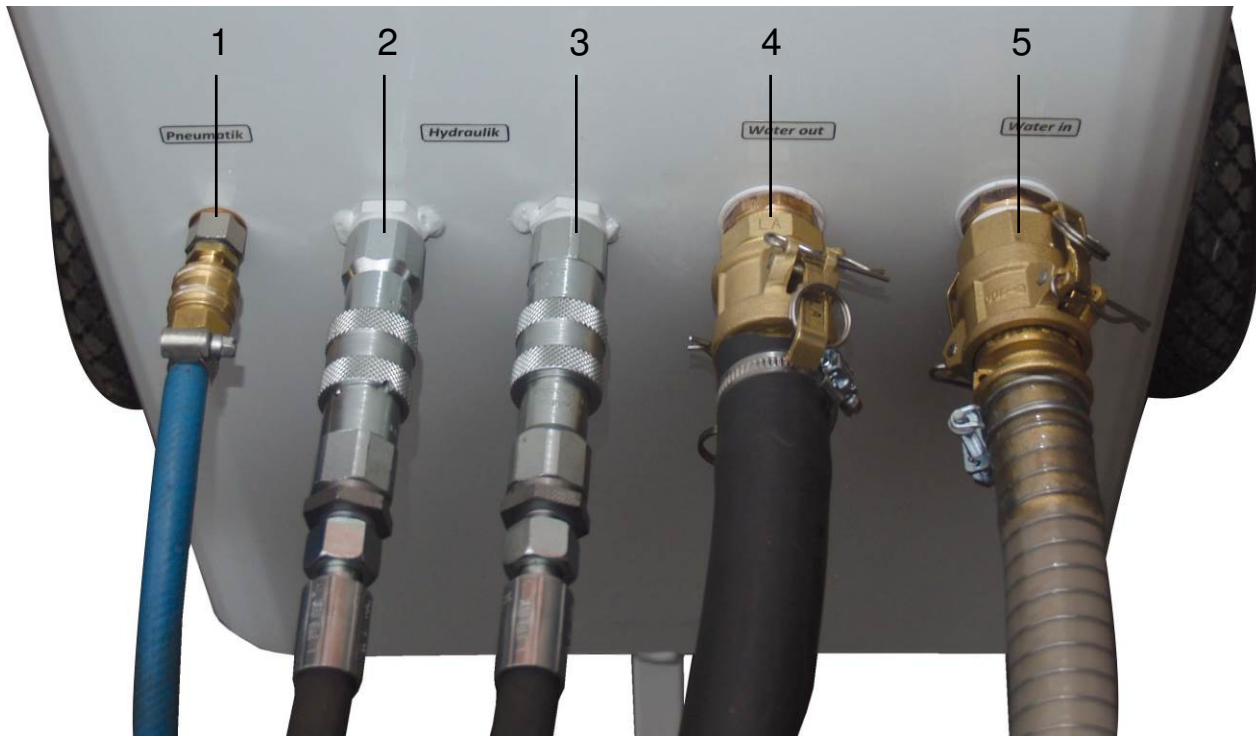
Pos.	Artikel-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
1	-				Filtereinheit	Filter unit	Unité filtre
2	0284 000 0124	1			Filtertuch Endplatte	Filter cloth endplate	Toile de filtre plaque d'extrémité
3	0284 000 0501	1			Endplatte	Endplate	Plaque d'extrémité
4	0284 000 0125	5			Filtertuch Kammerplatten	Filter cloth chamber plate	Toile de filtre plaque de chambre
5	0284 000 0500	5			Kammerplatte	Chamber plate	Plaque de chambre
6	0284 000 0126	1			Filtertuch Kopfplatte	Filter cloth cover plate	Toile de filtre plaque frontale
7	0284 000 0502	5		1. Platte im Filterpaket	Kopfplatte	Cover plate	Plaque frontale
8	-	1	-	beweglich	Schutzhaube	Guard	Carter de protection

9.3 Roller guide



Pos.	Artikel-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
1	-	4	-	-	Halter Rollenführung	Holder roller guide	Support guidage à rouleaux
2	-	8	-	-	Spannelement	Clamping element	Élément de serrage
3	0294 000 3960	4	-	Führungsrolle	Profilrolle	Profile roll	Profilé
4	0282 130 0542	4	-	schwimmend	Rolle	Roll	Poulie
4.1	0282 250 0096	8		6304	Rillenkugellager	Grooved ball bearing	Roulement à billes
5	0295 134 0040	8	-		Spannschraube	Clamping screw	Tendeur

9.4 Connection

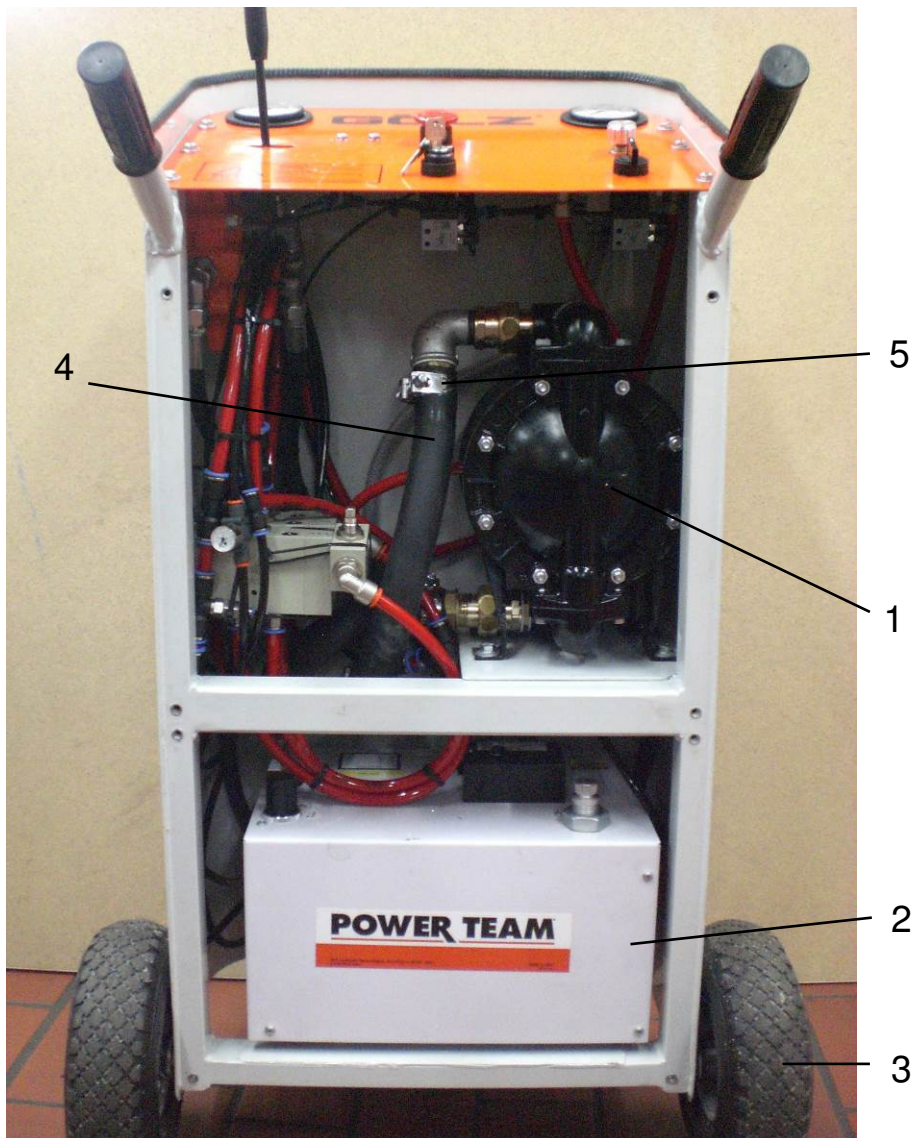


Pos.	Artikel-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
1	-	1	-	-	Druckluftanschluss	Compressed air connection	Branchement pneumatique
2	-	1	-	Vaterkupplung	Hydraulikanschluss Presse Auf / Zu	Hydraulic connection press open / close	Raccord hydraulique Presse ouverte / fermée
3	-	1	-	Mutterkupplung	Hydraulikanschluss Presse Auf / Zu	Hydraulic connection press open / close	Raccord hydraulique Presse ouverte / fermée
4	-	1	-	-	Wasseranschluss zur Maschine	Water connection to machine	Raccord d'eau
5	-	1	-	Mit Saugkorb	Saugschlauch	Suction hose	Tuyau flexible

9.5 Control panel



Pos.	Artikel-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
1	0284 000 3950	1	-	Hydraulikdruck	Manometer	Manometer	Manomètre
2	0284 000 3986	1		Wasserdruck	Manometer	Manometer	Manomètre
3	0284 000 3957	1	-	Mit Not-Aus-Taster	3/2 Wegeventil	3/2-way valve	Valve 3/2 voies
4	0284 000 0411			Maschine Ein / Aus	3/2 Wegeventil mit Schlüsselschalter	3/2-way valve with key switch	Valve 3/2 voies avec interrupteur à clé
5	0284 000 3945	1	-	Pumpengeschwindigkeit	Drosselventil	Choker valve	Soupape d'étranglement
6	0284 000 0413	1	-	Pumpe Ein / Aus	3/2 Wegeventil mit Hebel	3/2-way valve with lever	Valve 3/2 voies avec levier



Pos.	Artikel-Nr.	Qty.	Norm	Info	Bezeichnung	Description	Désignation
1	0284 000 3900	1	-	-	Doppelmembran-pumpe	Double diaphragm pump	Double diaphragme pompe
1.1					Reparatursatz Materialbereich	Repair kit fluid section	Kit de réparation zone matériel
1.2					Polypropylen-Sitz	Polypropylene seat	Siège en polyproylène
1.3					Reparatursatz Luftmotor	Repair kit air motor	Kit de réparation moteur pneumatique
2	0284 000 3100	1	-	-	Hydraulikpumpe	Hydraulic pump	Pompe hydraulique
3	0284 000 3955	2			Reifen	Wheel	Roue
4	0284 000 3924	1m	-		Schlauch	Hose	Flexible
5	0284 000 3925	2	-	D37-40mm	Gelenkbolzenschelle	Hinge bolt clamp	Raccord d'articulation