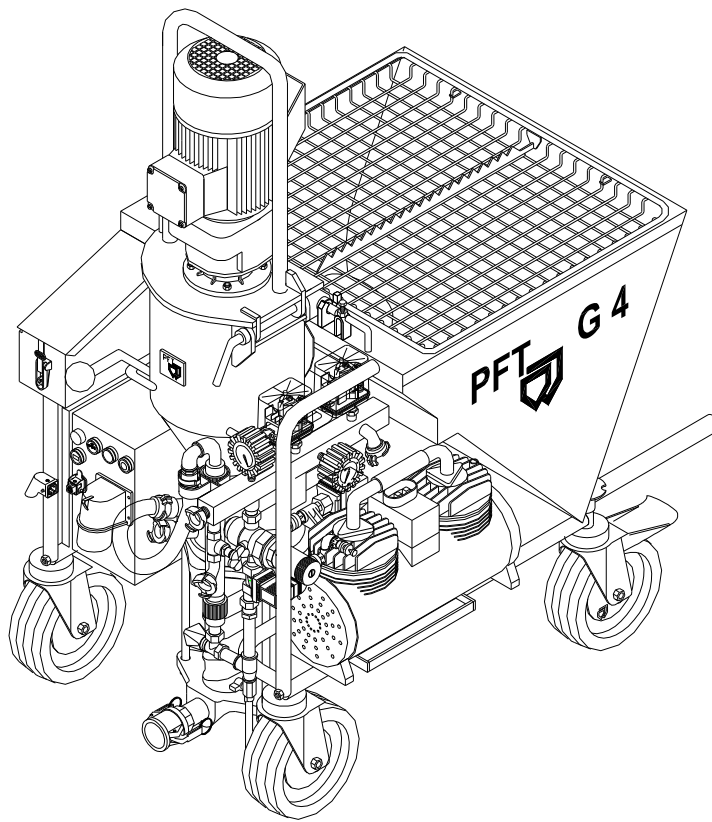


OPERATING INSTRUCTIONS

MIXING PUMP

PFT G 4



WE KEEP THINGS MOVING



Dear PFT Customer !

Congratulations on your purchase! The quality of PFT products means your selection of the G 4 Standard was a wise one.

The PFT G 4 Standard mixing pump is a state-of-the-art machine. It has been designed specifically for the rigorous conditions of construction sites, and is a reliable helping hand.

Always keep this manual with the machine. The manual provides you with vital information about the machine's functions. Read the manual thoroughly before you operate the machine. PFT will not be liable for accidents and malfunctions that are caused by incorrect operation. Proper operation and maintenance will make the PFT G 4 Standard a dependable construction aid.

The PFT G 4 Standard abides by the stringent safety standards of the German Builder's Guild and has been granted the Guild's certification of approval.

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First inspection after delivery

It is mandatory that all delivery technicians check the machine settings at the end of the first spraying operation. Factory settings can change during the initial phase of operation. If necessary, resetting should take place right after initial run, without which faults are likely to set in.

After handing over the machine and approx. two hours into the initial operation, delivery technicians must inspect the following items and settings:

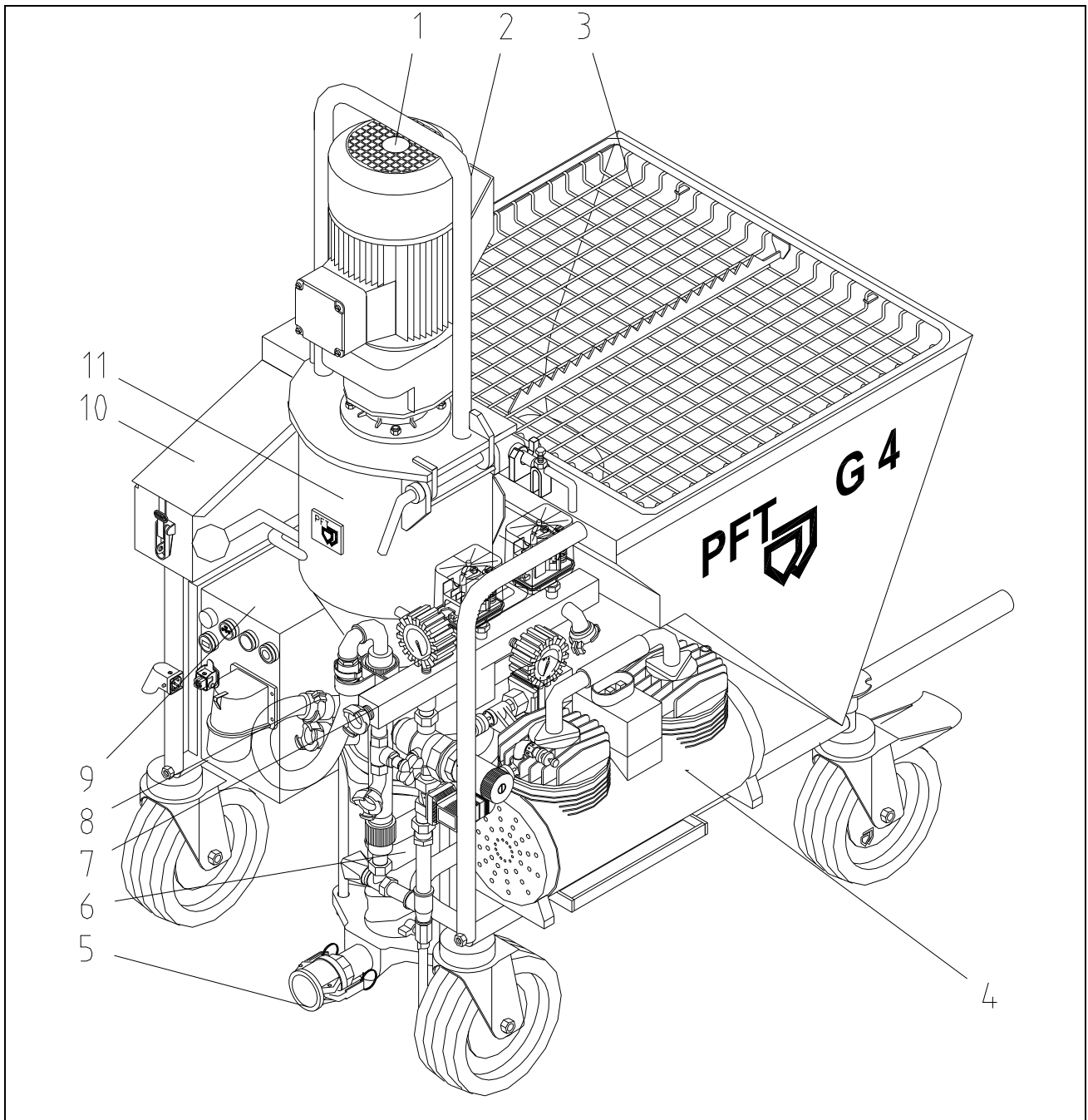
1. Water safety switch
2. Pump pressure, back pressure
3. Pressure relief valve on compressor
4. Air nozzle tube (Spraying pattern)
5. Air safety switch
6. Compressor pressure switch
7. Remote control switch
8. Pressure reducing valve
9. Motor safety switch



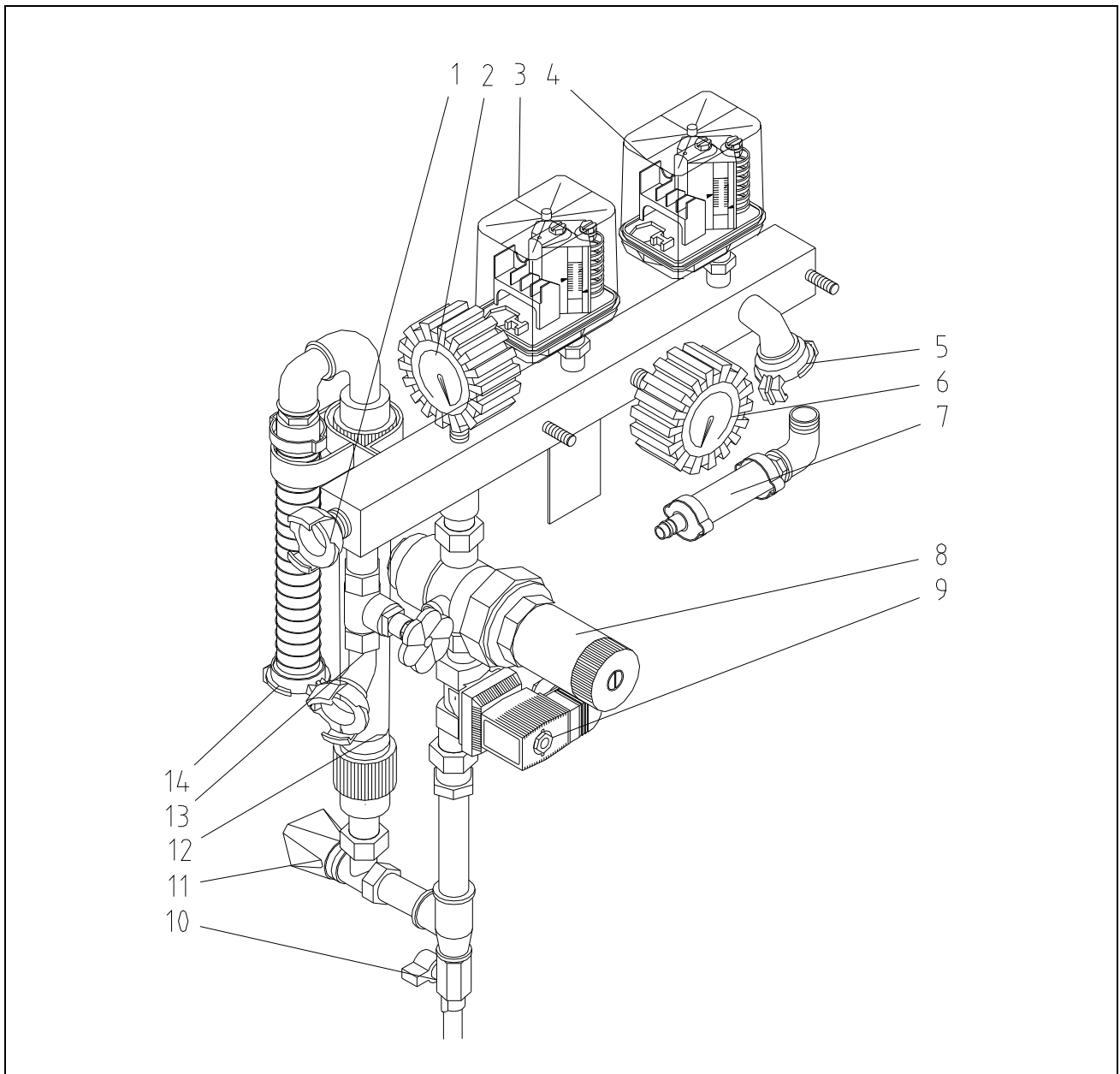
NOTE!

**WARRANTY CARD MUST BE FILLED AND RETURNED TO PFT.
NO WARRANTY WITHOUT WARRANTY CARD!**

General	3 01 00 101
Contents	3 01 00 201
Overview	3 01 00 301
Air-Water Manifold	3 01 00 302
Operating and Display Elements	3 01 00 303
Functional description	3 01 00 304
Basic Safety Instructions	3 01 00 401
Settings	3 01 00 403
Mortar Pump	3 01 00 405
Setting Up the Machine	3 01 00 408
Mortar Consistency / Spraying Gun and Nozzles (Caps) / Interrupting Operation	3 01 00 415
Ending Operation and Cleaning Procedure	3 01 00 416
Check List	3 01 00 420
Procedures for Hose Blocks	3 01 00 422
Procedures for Power Failure / Water Supply Failure	3 01 00 423
Procedures for Subzero Temperatures	3 01 00 424
Transport	3 12 01 427
Maintenance	3 12 01 428
Accessories	3 12 01 501
Spare Part List	3 12 01 504
Circuit Diagram	3 12 01 601
Technical Data	3 12 01 801



- | | |
|---------------------------|-------------------------------------|
| 1. Pump Motor | 7. Water manifold |
| 2. Mixing tube | 8. Water inlet |
| 3. Material hopper | 9. Control box |
| 4. Compressor | 10. Tool box |
| 5. Mortar output flange | 11. Mixing Tube with Suction Flange |
| 6. Pumping System TWISTER | |



1. Water from water supply

2. Gauge

3. Pressure switch

4. Pressure switch

5. Air to the spray gun

6. Gauge

7. Air from compressor

8. Pressure reducing valve

9. Solenoid valve

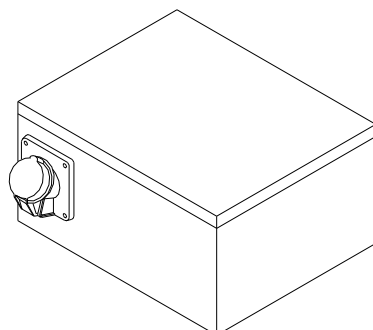
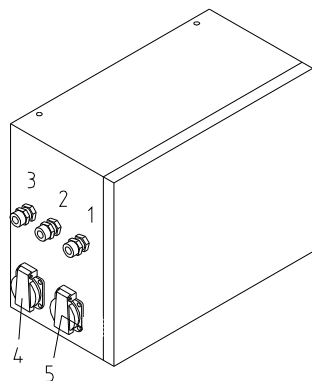
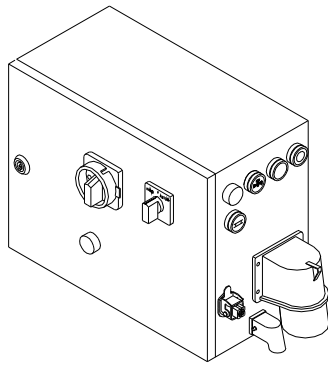
10. Tap

11. Needle valve

12. Water flow meter

13. Water outlet valve

14. Water to the mixing tube



Main switch



Star wheel
Hand 0 Automatic



Orange display lamp
change the direction of rotation



Red pressure switch OFF



Green pressure switch ON



Water flow button



Red display lamp
Interference



Blue pressure switch
run pumpmotor backwards



Remote control socket 42V



dummy plug



Plug for main switch 32 A



4 Socket Schuko blue
for 230V compressor 16A



5 Socket Schuko grey
for 230V water pump 16A



Current 400V 16A

- 1 Cable to the pump motor
- 2 Cable to the star wheel motor
- 3 Cable to the distributor air / water

The G 4 Standard is a continuous mixing pump for factory blended premixed dry mortar. It can be filled by bags as well as by means of a delivery hood or an injection hood.



Comply with the manufacturer's mixing instructions.

The machine consists of portable individual components whose compact dimensions and low weight allow quick and easy transport.

Note the following connections during operation:

1. Electrical panel – control box
2. Control box – pump motor
3. Control box - compressor
4. Compressor – air / water manifold
5. Water main supply – water manifold G 4 Standard
6. Mixing tube – Mortar pressure gauge
7. Mortar pressure gauge – mortar hose
8. Mortar hose – spray gun
9. Air / water manifold – air hose
10. Air hose – spray gun

The following words and symbols are used in the operating instructions to highlight important information:

NOTE:

This designates information which is important for operating the machine efficiently.



WARNING!

This designates restrictions, precautions, or important information for the prevention of accidents.

WARNING!

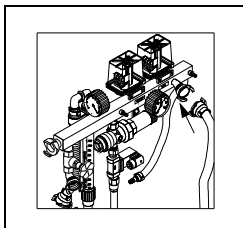
The Machine must only be operated in perfect working condition in full compliance with the operation instructions ! Defects or malfunctions which effect the safe operation of the machine must be corrected immediately.

Proper machine operation also includes full compliance with the operation instruction in addition to compliance with the specified inspection and maintenance intervals.

To make using our machines as easy as possible, we would like to briefly familiarize you with the most important safety precaution. If you abide by these precautions, PFT machines will provide you with many years of reliable, quality service.

1. Follow all safety instructions on the machine. Ensure that all instructions are legible.
2. Inspect the machine once every shift for visible damages and defects. Stop operating the machine immediately if you notice any changes in safety or operating behavior. Notify the construction site supervisor immediately.
3. Do not make any changes to the machine that can jeopardize its safety. Always consult the machine dealer first. **Do not tamper with the machine** by equipping it with extra "safety devices".
4. All spare parts should conform to our technical specifications. Only use spare parts manufactured by PFT.
5. Only trained personnel should operate the machine. Clearly designate all lines of responsibility for operation, equipping, maintenance and repairs.
6. Technicians undergoing training in the operation of the machine should be supervised by experienced personnel.
7. Only qualified personnel should work on the machine's electrical system. All electrical work should only take place under the supervision of a qualified electrician and should comply with electro-technical safety regulations.
8. Observe all instructions for switching the machine on and off. Watch display lamps for signals.
9. When the machine is completely switched off for maintenance and repair work, ensure that it cannot switch back on accidentally. Do this by switching off the main switch, removing the key or by attaching a warning sign to the main switch.
10. Before cleaning the machine with a water jet, seal all openings as water should not enter electrical parts or caddy. Cover electric motors and control boxes thoroughly. After cleaning remove all seals and covers.
11. Use only original fuses with prescribed amps.
12. If work has to be carried out on a voltage-conducting component, a second technician should stand by to switch off mains in case of an emergency.
13. Disconnect the machine from the mains before you move it, even if you are only moving it a short distance. Reconnect the machine to the mains properly before starting up again.
14. Set up the machine on stable ground. Secure it from rolling away or moving during operation.
15. Lay out all conveying hoses safely. Do not rest them on sharp edges.
16. Depressurize all conveying systems before dismantling conveying hoses.
17. While unclogging hoses stand away from the machine to avoid injury through high pressure discharges of mortar. Always wear safety goggles. No other person should be close to the machine when unclogging measures are under way.
18. Use appropriate noise reduction measures if you exceed a noise level of 85 dB(A) while operating the machine.
19. Use the following accessories while spraying, if necessary,: safety goggles, construction site boots, safety clothing, gloves, inhalation mask, skin safety cream.
20. Have the machine inspected at least once a year by a qualified person. The machine should also be inspected otherwise as required.

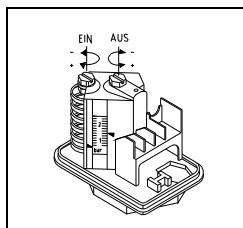




Water pressure safety switch

2,1 bar switch on machine.

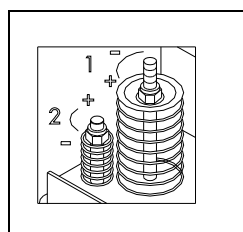
1,9 bar switch off machine.



Air pressure safety switch

0,9 bar switch on machine.

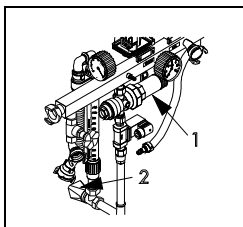
1,2 bar switch off machine.



Pressure switch compressor

2,0 bar compressor switch on (pressure difference/1,0 bar)

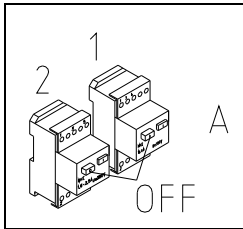
3,0 bar compressor switch off



(1) Pressure reducing valve

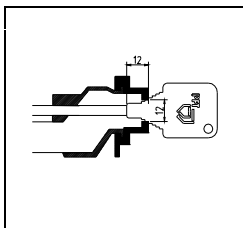
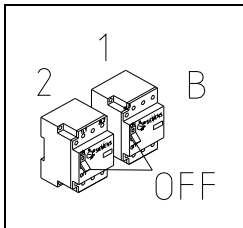
1,9 bar at maximum flow

(2) needle valve completely opened



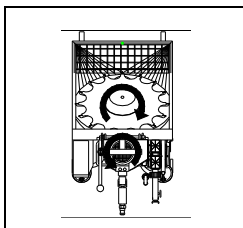
Motor protection switch (type A or B)

- (1) pump motor 5,5 kW 400 V, 11,5 A (Q5)
- (2) star wheel motor 0,55 kW 400 V, 1,6 A (Q 3)



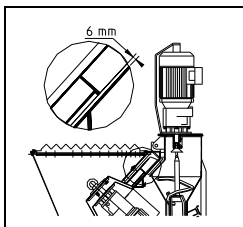
Distance air nozzle pipe

The gap between the air nozzle tube and the spraying cap should always correspond the hole diameter of the spraying cap;
e.g. 15 mm spraying cap = 14 mm gap.



Direction of rotation of pump motor

When the motor starts up, it is essential that the ventilator wheel should be observed; it must turn in an anti-clockwise direction.



Direction of rotation of star wheel motor

The star wheel normally works independently of the direction of rotation. When using a SILOMAT conveying system, we recommend clockwise rotation (factory setting). In the case, it is also assured that the pump motor will turn in the right direction.

Star wheel

Distance from star wheel to hopper base: factory setting approx. 6 mm.

Rule of thumb:

1,5 x diameter of the largest grain of the dry mortar. If necessary, a star wheel distance disk (art. no. 20 10 19 00) for course plaster can be fitted.

Pressure

Rule:

1,0 bar dynamic pressure per meter of mortar hose (25 mm)! When using gypsum plaster.

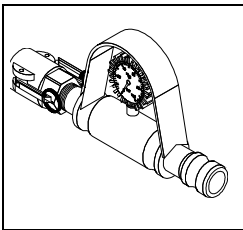
0,2 - 0,3 bar dynamic pressure per meter of mortar hose (35 mm)! When using self levelling floor screed.

For example:

30 bar conveying pressure (with water) should produce approx. 12 bar back pressure when the machine is switched off. When gypsum plaster 18 - 26 bar conveying pressure (with water) should produce approx. 7 - 8 bar back pressure when the machine is switched off.

**ATTENTION!**

Use of mortar pressure gauge is a compulsory regulation in accordance with the accident prevention regulations of the employer's liability insurance authorities.

**PFT Mortar pressure gauge**

- 25 mm Ø, art. no. 20 21 70 01
- 35 mm Ø, art. no. 20 21 72 00

With PFT mortar pressure gauges, you can quickly and easily set the mortar consistency to a level suitable for plastering, and check the consistency.

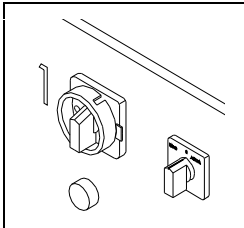
The mortar pressure gauge is supplied as standard.

Advantages of the mortar pressure gauge:

- exact regulation of the correct mortar consistency,
- permanent monitoring of the correct conveying pressure,
- early notice of clogging or overload of the pump motor,
- attainment of zero pressure,
- a major contribution to the safety of the operating personnel,
- long service life of pump components.

PFT pump parts

Before and after the first spraying, with a conveying hose length of 10 m, new pumping components should attain a conveying pressure of approx. 30 bar and maintain a back pressure of approx. 12 bar. To control the back pressure, we recommend in accordance with the existing safety regulations that the PFT pressure tester with coupling and outlet tap (art no. 20 21 68 02) be used.



When fitting/removing pump parts, care must be taken that:

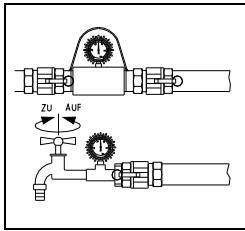
- the main switch is switched off during assembly work.

It must also be noted that:

- a new stator and a new rotor must "run in", and reliable pressure readings can only be made after one spray operation.
- pump parts that neither attain the necessary conveying pressure nor maintain the required back pressure are worn and must be replaced.

When using pumps that can be adjusted, care must be taken that

- the main switch is switched off,
- the stator protrudes evenly at the ends,
- the pin (1) is between the clamping jaws so that the stator can no longer move,
- all screws on the clamp are tightened evenly,
- the tie rod screws of rubber stators are not tightened too far, and the stator ends in the flanges are pressed firmly and centrally in place,
- a new stator and a new rotor must "run in", and reliable pressure readings can only be made after one spray operation,
- pump parts which, in spite of adjustment, neither attain the necessary conveying pressure nor maintain the required back pressure are worn and must be replaced.

**Checking the conveying pressure and back pressure**

- Connect a 10 m conveying hose
- Couple the pressure tester with the outlet tap to the end of the hose
- Open the valve
- Switch on the machine and let just water run through it until water comes out of the outlet tap (to bleed the hose)
- Close the valve
- Let the pump run under pressure until the pressure no longer increases
- Switch off the machine
- If the required pressure is not achieved, the maintenance-free pump must be replaced
- The pump with the clamp must be tightened
- Check the back pressure

In the hose, a back pressure of approx. 14 bar - from the rotor/stator pump (for D 6-3) - should be maintained.

NOTE:

The testing pressure with water should be approx. 5 - 10 bar above the anticipated mortar pumping pressure!

Example:

20 m conveying hose (25 mm Ø) with plaster mortar requires the pump to be operated at approx. 25 - 30 bar.

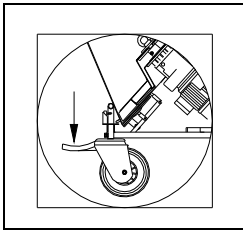
If the rotors are in an unfavourable position in the stator, the water flows back into the mixing chamber with a distinct gurgling noise. By switching the machine on and off again - and possibly repeating the process several times - find the position in which the rotor pump forms a seal.

NOTE!

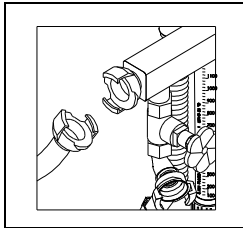
1. Stator D6-3 can be used up to 30 bar operating pressure.
2. The maximum possible pumping distance is mainly dependent of the flowability of the mortar. Heavy mortars with sharp edges have poor flowing capacity, whereas fluid materials, filling compounds, floor screed etc. have good flowability.
3. If 30 bar operating pressure is exceeded, it is advisable to use thicker mortar hoses.
4. To avoid machine failures and increased wear to the pump motor, pump shaft and pump, original

- PFT rotors
- PFT stators
- PFT pump shafts
- PFT mortar pressure hoses
- PFT clamps should be used.

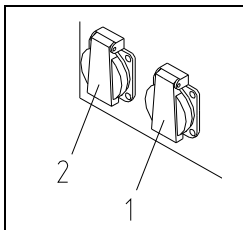
These components are designed for use together, and together with the machine they form a single structural unit. If this recommendation is not adhered to, it not only means that the guarantee is forfeited, it also means that the mortar quality is likely so suffer.



Lock the lockable lever before setting up and starting the machine.



Connect the water system with a 3/4" hose. Open the water valve on the air-water manifold to bleed the water hose. Close the water valve.



If the water pressure falls below 2,5 bar, the PFT pressure booster pump (art. no. 00 00 11 40) must be switched into the supply. If a water pump is being used it can, if there is sufficient static pre-pressure, be connected to the wired connector 230 V (!) (grey). This prevents the pump being switched off through overheating when it operates against closed valves (e.g. after a long pause).

NOTE:

If the prior water pressure is too low or the pump is working out of the water vessel, the water pump can be connected to the blue continuous current socket 230 V (2) (blue).



WARNING:

In case of longer working breaks unplug to avoid overheating of water pressure booster pump.



WARNING:

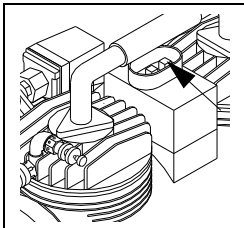
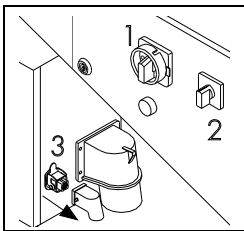
When using water out of a barrel use section inlet with filter (Part no. 20 47 50 00).
Ventilate water pump.

The machine must always only be connected to an electrical panel with a 32 A FI protective switch conforming to regulations. The connection cable must conform to the version H07 RN-F 5 x 4,0 mm². If there is a 5-pin connection, the fused sockets for the connection of water pump, hand lamp etc. are available.

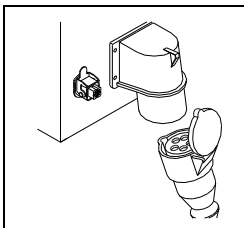
As a general principle, we recommend use of the PFT power cable 5 x 4,0 mm², 50 m, with plug and coupling (Part no. 20 42 39 00).

Before the control box is supplied with electricity, the following points must be adhered to:

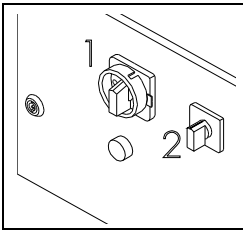
- Switch off main switch (1) ("0" position lockable).
- Turn the star wheel switch (2) to the "0" position.
- Turn the dummy plug.



Switch off the compressor.

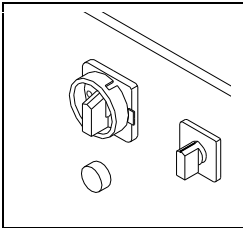


Connect power supply cable to control box.



Now, the following steps must be followed:

1. Turn main switch (1) to the "1" position.



If direction of rotation has to be changed, proceed as follows:

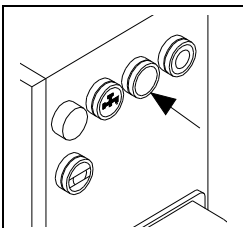
Lock pole reversing switch in position "O" by turning the arresting screw to the left or the right side. The direction of rotation is now selected. If the switch is put to the left side, it can be turned to "O" but cannot be turned to the right side. The figure printed on the plate shows in which position the switch is locked. **Never tun the pump dry.**



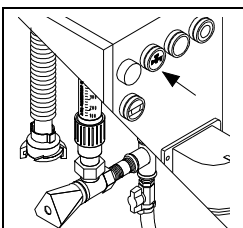
WARNING:

Do not take off the protection grille when preparing the machine or when machine is operating.

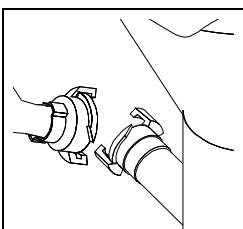
If red lamp does not turn-off "change direction of rotation"; see check list.



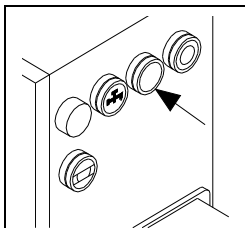
2. Turn the green pressure switch "ON"



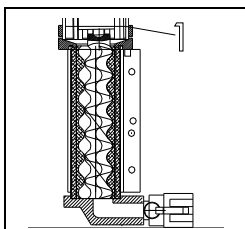
3. Press water flow button (1), and set approximate amount of water with needle valve (2).



4. Couple the water hose from water flow meter to the mixing tube.



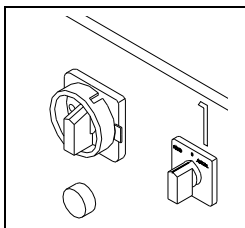
5. Shortly press the water flow button on the side of control box. The mixing chamber should contain enough water so that the top of the rotor is covered. (Watch for loss of water - the rotor pump may be defective!).



6. Control the water level.

**WARNING:**

The power circuit is interrupted by removing the 7 pole connecting coupling of the mixing pump motor (safety measure). To restart machine press green button "ON".



7. The star wheel switch must be on "Manual (hand)" (1).

The star wheel can be switched to the positions:

- MANUAL
- ZERO
- AUTOMATIC

MANUAL

The star wheel always runs when the machine is connected and switched on. In this position, material can be added to the mixing chamber when the pump is not running. We call that pre-wetting! For heavy materials and materials bonded with dispersion agent, it is advisable to pre-wet, and in the process to open the lower water connection in the mixing chamber so that the excess water can run off. (The power circuit has to be interrupted by removing the dummy plug, otherwise the pump motor runs synchronously with the star wheel).

WARNING!

The D 6-3 pump, must always be prewetted!

ZERO

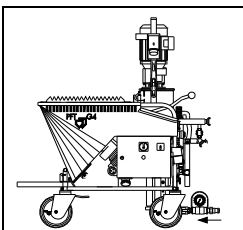
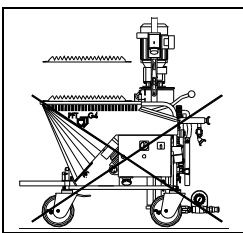
The star wheel is switched off, and so the supply of material to the mixing zone is interrupted (when cleaning the mixing zone with mixing tube cleaner or adjusting rotor/stator pump).

AUTOMATIC

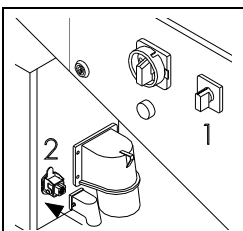
The star wheel runs synchronously with the mixing pump and is switched on and off with the air pressure control or remote control.

**WARNING!**

Never remove the protection grille when the machine is ready to operate!



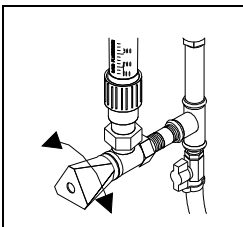
8. Couple the mortar pressure gauge to the pressure flange.



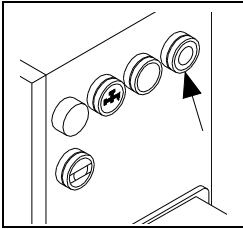
9. Fill dry mortar into material hopper.

10. Turn the star wheel switch (1) to the automatic position. Plug in dummy plug (2).
The machine is now in operation. The mortar consistency can now be tested with a bucket at the mortar outlet flange (do not yet connect a mortar hose). With the motor running, regulate the water quantity approx. 10 % higher than the rated setting. The rated setting is the water setting at which the mortar has the correct flowing consistency:

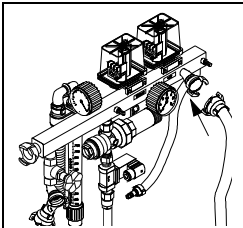
e.g.: Knauf MP 75 - rated setting approx. 650 to 750 l/h.



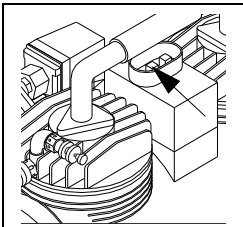
11. At the mortar outlet, if necessary, add water to correct and optimize the consistency setting by adjusting the water quantity with the needle valve - can be seen by the cone of the water flow meter. Turn clockwise to increase amount of water, to decrease amount of water turn anti-clockwise.



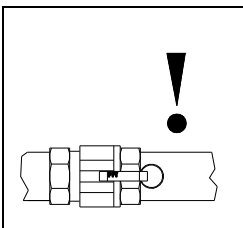
12. Turn the red pressure switch "OFF" (machine stops).



13. Couple air hose to air manifold and spraying gun and open air tap at spraying gun.



14. Switch on the compressor.



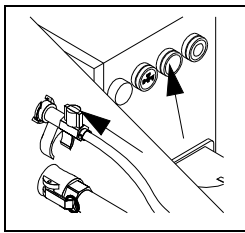
15. Connect all the necessary mortar hoses together (making sure that the seals are clean and intact), and flush with water to avoid blockages (do not leave water in the hoses). Use connecting piece (in tool kit). See sheet 3 01 00 422 → Measures at the end of a work and by cleaning. Approx. 3 litres of smooth-losing lime or plaster mixture into the first hose after the machine.



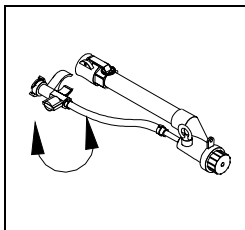
WARNING!

Make sure that connections of couplings are clean and correct. Connect hoses to **mortar pressure gauge** and again observe mortar hoses seals!.

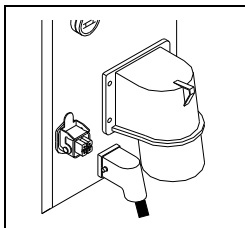
16. Connect the spray gun (fine plaster or insulating plaster crimp valve spray gun) to the mortar hose.



17. Press the latching button and open the air tap on the spray gun. The machine starts. Now you can begin plastering. First, an extremely thin mixture comes out of the spray gun, then the mortar comes out in the right consistency. If necessary, the flow can be regulated with the needle valve.



18. The machine can be switched on and off by opening and closing the air tap on the spray gun.



NOTE:

If you are working without an air supply (e.g. when pumping floor screed material), the machine is switched on and off by a 42 V remote control. (To make this possible, the blind connector on the control coupling must be removed and the control connector of the remote control must be plugged in.).

The mortar consistency is correct when the material on the surface being sprayed fuses within itself (if possible, apply to wall surfaces from top to bottom). If the water quantity is too low, even mixing and spraying is no longer assured, there may be blockages in the hose, and pumping components are subject to greater wear.

Depending on the mortar consistency, spraying caps of 10, 12, 14, 16 or 18 mm should be used. Larger spraying caps reduce the projection speed, and thus the rebound effect. Smaller spraying caps produce better atomization. It is important that the distance between the air nozzle tube and the spraying cap opening is equal to the diameter of the spraying cap (cf. also page 3 01 00 404).

Interruptions of more than 30 minutes should be avoided, as there is otherwise a risk that the mortar may become hard in the pump and the hoses.

IMPORTANT:

The instructions of mortar manufacturers must be strictly adhered to.

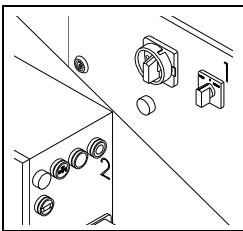
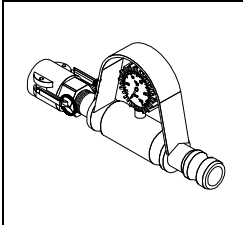
Before longer interruptions it is advisable to clean the pump. Proceed as under point 3 01 00 421 - Measures when ending work, and cleaning.

Every interruption in the spraying process causes a slight irregularity in the consistency of the material, but this normalizes itself once the machine has been working for a short period. Therefore, do not change the water supply quantity at every irregularity - instead, wait until the consistency of the material coming out of the spray gun has regulated itself.



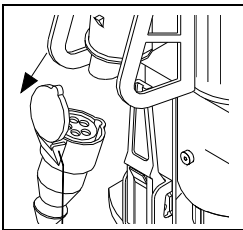
WARNING!

Before dismantling the rotor/stator pump, it is essential to ensure that the pump and the hoses are depressurized. Observe the reading on the mortar pressure gauge.

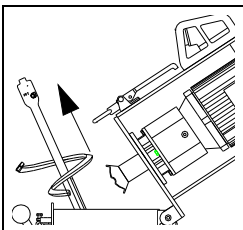


- When work finishes, switch off the material supply (star wheel) (turn star wheel switch (1) to the position "0"!)
- empty mixing tube
- press the button (2) "OFF"

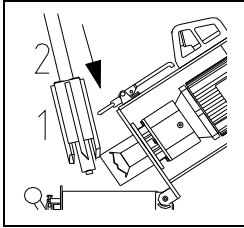
Switch off the compressor and open the tap on the spray gun.



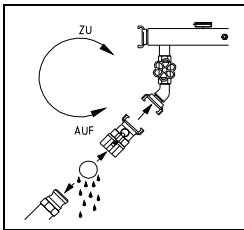
- Plug out 7 pole plug at mixing tube



- Tip up the motor by releasing the tilt flange fast release clamp.
- Take out the mixing shaft and clean it. Clean the mixing zone with a trowel.



- Insert the cleaning shaft (2) and the cleaner (1) with the scapers facing downwards.
- The motor must be tilted into closed position again and the tilting flange latched.
- Take off mortar hose (only without pressure!)
- Press green button "ON", run approx. 5 to 10 sec until mixing tube is clean.
- Press red button "OFF", take out cleaner.
- Put in cleaned mixing shaft.
- Close motor hinged flange and lock with snap locks, connect 7 pole plug at motor hinged flange.

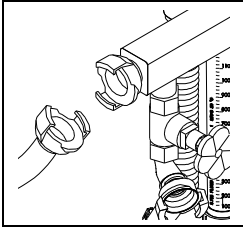


For cleaning to take place, the hoses, including the mortar pressure manometer, are connected to the water inlet valve with the transition adapter (in the tool kit). This reduces wear on the pump. First, a water-soaked sponge ball must be pressed into the hose inlet.

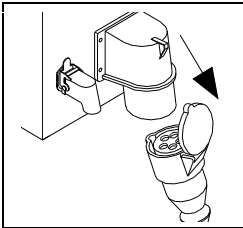
Then open the water valve until the sponge ball comes out of the end of the hose.

If there are hoses of different diameters the hoses should be cleaned separately with sponge balls of the appropriate sizes.

If soiling is heavy, repeat this process.



- Close the water connection valve.
- Depressurize the water hose by opening the side water valve, then carefully uncouple it.



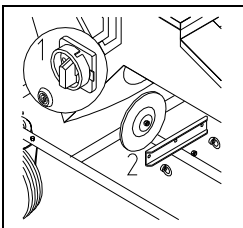
Now disconnect the power supply cable.

If the machine is likely to remain unused for several days, the material hopper must be emptied. To do this, the hopper cleaning flap must be opened, and if necessary the star wheel must be taken out.



WARNING!

Before opening the hopper cleaning flap (2), it is essential to switch off the main switch (1).



How can problems with the PFT G 4 Standard be avoided or quickly corrected?

Fault	Cause	Solution
Machine does not start!	Water Water pressure too low - Gauge shows less than 2,5 bar	- Check water supply - Clean dirt collection filters - Turn the switch of water pump to automatic
Machine does not start!	Power - Power supply correct? - Correct connection to electrical panel? - FI protection switch activated? - Main switch switched on? - Pole reversal switch on? - Fault lamp lit? - Motor protection switch activated? - Self-latching button not pressed? - Protector defective? - Fuse defective? - Water protection switch wrongly adjusted? - Pump blocked?	Corrects faults
Machine does not start!	Air - Insufficient pressure gradient - in remote controller due to - blocked air pipe or air nozzle - tube? - Air safety switch wrongly adjusted? - Compressor connected and switched on?	Correct faults and clean blocked air pipe or air nozzle tube!
Machine does not start!	Material - Too much thick material in - hopper or mixing zone? - Material in pump tube too dry	Correct faults, perhaps half empty hopper and start up again. CAUTION! First switch off main switch and pull out plug.
Water does not flow	- Solenoid valve (hole in - membrane blocked) - Magnetic coil defective - Pressure reducing valve closed - Water inlet on pump tube blocked - Needle valve closed - Cable to solenoid valve defective	Correct faults

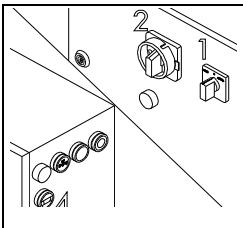
Fault	Cause	Solution
Pump motor does not start	<ul style="list-style-type: none">- Pump motor defective- Connection cable defective- Plug or integrated socket defective- Motor protection switch defective or triggered	Correct faults
Stoppage after a short time	<ul style="list-style-type: none">- Dirt collection filter dirty- Pressure reducer filter dirty- Hose connection or water pipe too small- Water vessel suction pipe too weak or too long	Clean or replace filters and increase water connection size
Machine does not switch off	<ul style="list-style-type: none">- Air pressure safety switch wrongly adjusted or defective- Air hose defective- Air tap on spray gun defective- Compressor provides too little air- Air pipe on compressor not connected	<ul style="list-style-type: none">- Adjust air pressure switch- Replace air hose or check compressor
Mortar flow stops	<ul style="list-style-type: none">- Poor mixture in mixing tube- Mixing shaft defective- Motor hauling bracket defective- Input hopper to mixing tube wet; material clumped- mixing tube inlet restricted!	Add more water If this does not help, clean or replace mixing shaft Dry mixing tube inlet and star again
Mortar flow "thick-thin"	<ul style="list-style-type: none">- Too little water- Water safety switch wrongly adjusted or defective- Mixing shaft defective; no original PFT mixing shaft- Pressure reducing valve wrongly adjusted or defective- Stator worn, defective Rotor worn or not tight enough- Clamp defective (oval)- Pressure flange almost blocked- Mortar hose inner wall defective	If there is too little water increase water quantity by 10 % for approx. 1/2 minute then return slowly to normal setting or tighten or replace pump parts Correct other faults

Fault	Cause	Solution
Mortar flow "thick-thin"	<ul style="list-style-type: none">- Power cable too long or too weak- Head of rotor too deep in pressure flange- No original PFT replacement parts	Correct faults
Water rises in mixing tube during operation	<ul style="list-style-type: none">- Back pressure in mortar hose higher than pump pressure- Stator or Rotor worn- Hose blocked by mortar that is too thick (high pressure caused by too low water factor!)	Tighten or replace stator If necessary, also replace rotor
The fault indicator lamp goes on	<p>Overloading</p> <p>1.) Motor protection switch (16 A) triggered (pump motor)</p> <ul style="list-style-type: none">- by pump blockage with dry material- due to insufficient water quantity <p>2.) Motor protection switch (2,5 A) triggered (star wheel motor)</p> <ul style="list-style-type: none">- Clogged material in hopper	Switch on protection switch and for 1: Clean mixing tube, and increase water supply when starting machine For 2: Clean hopper and star wheel
Red lamp "change the direction of rotation" goes on	<ul style="list-style-type: none">- Power connecting to long 5 x 4 mm²- Power cable too thin 50 m cable- 1 phase missing- Voltage too low- Wrong direction of rotation	Change direction of rotation of pole reversing switch

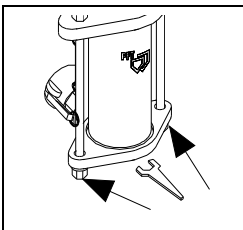


WARNING :

In accordance with the accident prevention regulations of the employer liability authorities, personnel entrusted with clearing blockages must wear protective goggles for safety reasons and must take proper safety precautions to avoid injury from the discharging mortar. Other persons must not be in the vicinity of the machine.



- Switch OFF star wheel motor (1),
- run pump motor briefly backwards by turning pole reversing switch,
- "red lamp change direction of rotation" goes on,
- cover outlet of pump tube with foil.
- Press blue pressure button (4) "run pump motor backwards" (water supply is automatically interrupted) until pressure at mortar pressure gauge is at 0 bar.



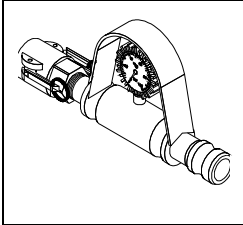
- Release the nuts on the pressure flange slightly so that any residual pressure can completely escape.
- Release the hose coupling and clean the hose.

To squeeze out residual mortar of the mortar hoses insert water hose into mortar hose and flush out mortar.

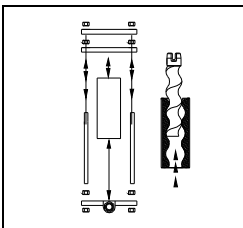
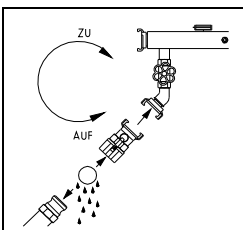
(see 301 00 422 → cleaning hoses)

Warning :

Before opening the couplings, make sure that the hoses are depressurized (observe the reading on the mortar pressure gauge).

**Procedure for power failure**

The mortar hoses must immediately be cleaned. This can be done via the water outlet valve. To this end, the hose coupling transition adapter (in the tool kit) must first be connected to the mortar hose, then to the water outlet valve. Open the water valve to press out the mortar, then clean with sponge balls soaked in water.



Release tie rods screws, remove the pump, press the rotor out of the stator and clean it carefully. Clean the pressure flange or after mixer (Rotomix or Rotoquirl). Clean the mixing zone and mixing shaft with water and trowel. Then assemble the pump completely and prepare it for operation.

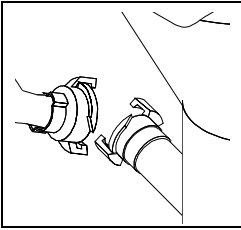
Procedure for water supply failure

Use a suction inlet (art. no. 20 47 50 00) to supply the machine with clean water from a container.

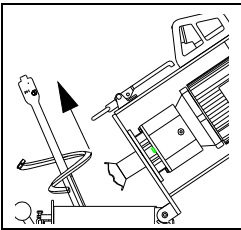
Procedure in case of freezing temperatures

After the machine has been cleaned:

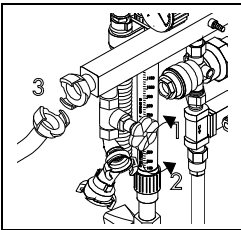
1. Turn off the water supply.



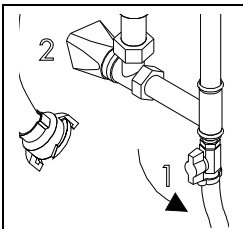
2. Take out the mixing shaft.



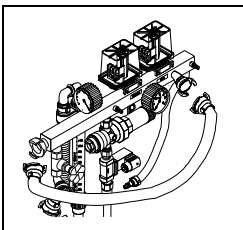
3. Turn off the water connection, open the water outlet valve (2), release water pressure in hose and close valve again. Uncouple the water hose (3) and empty it.

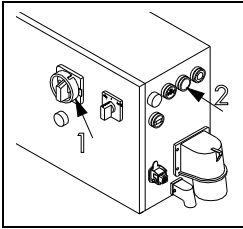


4. Open outlet tap (1) at the water manifold (2).

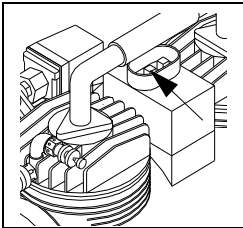


5. Remove the air hose from the spray gun and fit it to the water inlet.

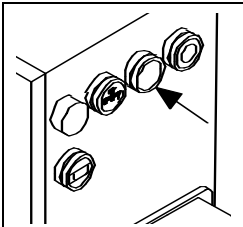




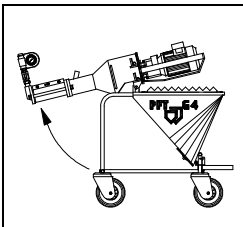
6. Switch on main switch (1) and press the green switch "ON" (2).



7. Switch ON air compressor.



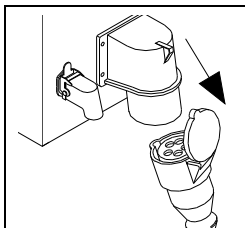
8. Press the water flow button. The water is blown out of the manifold with compressed air (at 1,5 bar for approx. 1 min.)



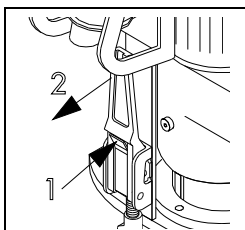
9. Empty the mixing pump by swivelling the entire pumping component upwards.

10. Uncouple the mortar hoses and empty them.

The machine is now empty apart from a small residue within the rotor/stator pump. Nevertheless, the machine must be started very carefully on the next day!

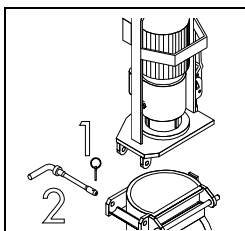


First disconnect the main power supply cable, then all other cable connections!

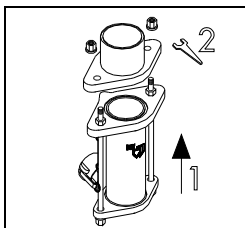


To facilitate transport of the machine, we recommend the following procedure:

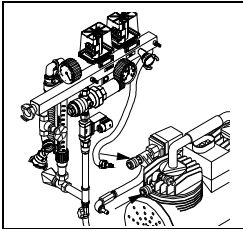
- Open snap lock at motor hinged flange, press green plastic lock (1) and pull lever (2).



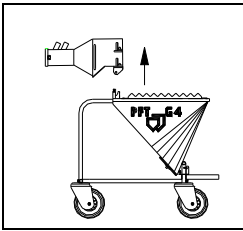
- Take splint out (1), pull out bolt (2), carefully tilt and take away motor unit (weight about 53 kg).



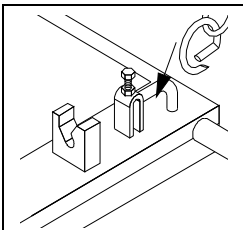
- Unscrew pump unit (1) by using key (SW 24) (2) (weight about 17,5 kg).



Disconnect compressor connections and take out compressor (weight about 23,5 kg).



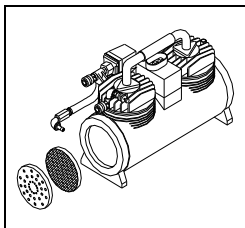
Take out mixing tube and transport all parts separately (weight about 18,5 kg).



Lift up machine only at crane hooks (use suitable lifting appliance weight about 141,0 kg).

WARNING!

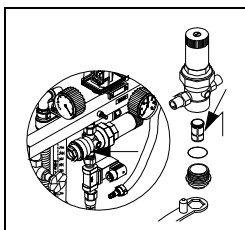
When loading and unloading the complete G 4 Standard, proceed with care, as the machine is liable to tip over.



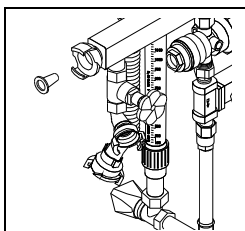
Depending on how it is used, take out the compressor filter once a week and knock out the residue. If the filter is heavily soiled, it must be replaced.

NOTE:

The rough side of filter must face inward!



The pressure reducing valve filter (1) should be taken out and cleaned at least every 2 weeks, and replaced if necessary. Screw out cap with special key (Part no. 20 10 24 00)

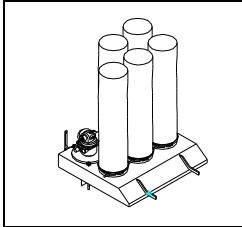


The water inlet filter of GEKA coupling should be taken out and cleaned every day.

PFT injection hood E 5 (part no. 20 60 02 01) for SILOMAT equipment

PFT injection hood E 1 with round monofilter

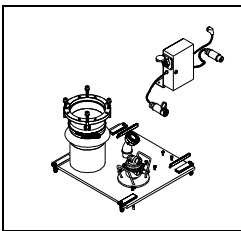
(part no. 20 60 03 13) for Silomat equipment



Remove protection grille from hopper. Then put on the injection hood and lock it by fitting the cocking levers in the recesses. Establish control cable connection (42 V) between the control level indicator and the SILOMAT. Connect the conveying hose from the conveying unit of the SILOMAT equipment to the filter neck of the injection hood. Close the porthole opening of the injection hood.

WARNING!

Do not open during pneumatic conveying, and switch of the G 4 Standard before hand at the main switch and pull out the plug!



PFT delivery hood with electrical safety cabinet (part no. 20 60 05 00)

This delivery hood is suitable for direct and permanent gravity filling of the PFT mixing pumps with factory blended dry premixed mortar from PFT building site silos and containers.

Applications:

Building sites for interior or exterior plastering and floor screed.

Use and function:

First remove the protection grille from the machine.

WARNING:

When using floor screed material, first remove the dust guard from the hopper. Fit the delivery hood and establish the electrical connection to the machine (compressor socket). The compressor can then be connected to the control box of the delivery hood. The transfer membrane must be fixed to the container outlet.

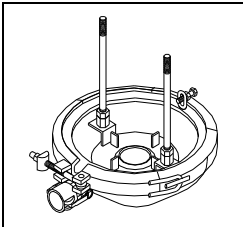
Screw the vibrator to the container and connect it (vibrator socket). Connect the control level indicator. Connect the control cable to the control box (coupling may need to be retro-fitted), and connect the remote control to the control box of the delivery hood. In operation: open the silo/container outlet flap.

PFT after mixer for G 4

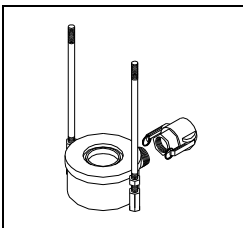
Advantages:

- better mixing of the mortar
- better disintegration of solids in mortar
- more even consistency
- direct drive by rotor with tang
- replaceable impeller
- after mixer can be opened for cleaning

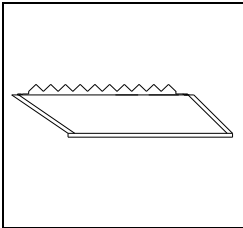
The instructions of the mortar manufacturers must be adhered to!



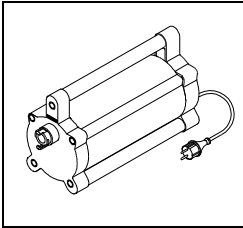
PFT ROTORQUIRL (part no. 20 11 84 00)



PFT ROTOMIX (part no 20 11 80 00)

**Extension hopper for insulating plaster (part no. 20 10 22 00)**

The extension increases the hopper capacity of the G 4 to approx. 200 litre.

**PFT Water pressure booster pump AV 1 (part no. 00 00 11 40)**

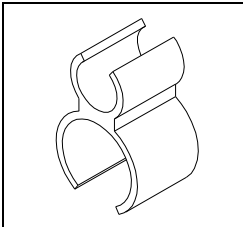
Voltage: 230 V

Single phase current: 50 Hz

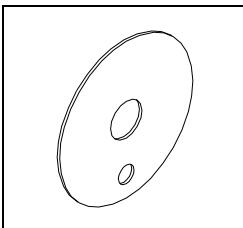
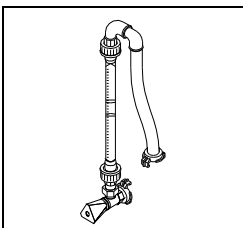
Rated power: 900 W

Max. power consumption: 1.300 W

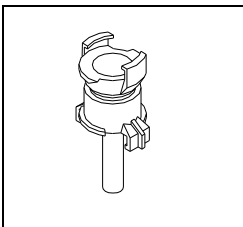
Performance: 3.000 l/h at 2,6 bar

Mortar / air hoses bracket (part no. 20 19 02 20)

The PFT mortar/air hose bracket connects the mortar pressure hose firmly with the air hose. It is clamped directly between the original mortar pressure hose ID 24 and the 1/2" air hose.

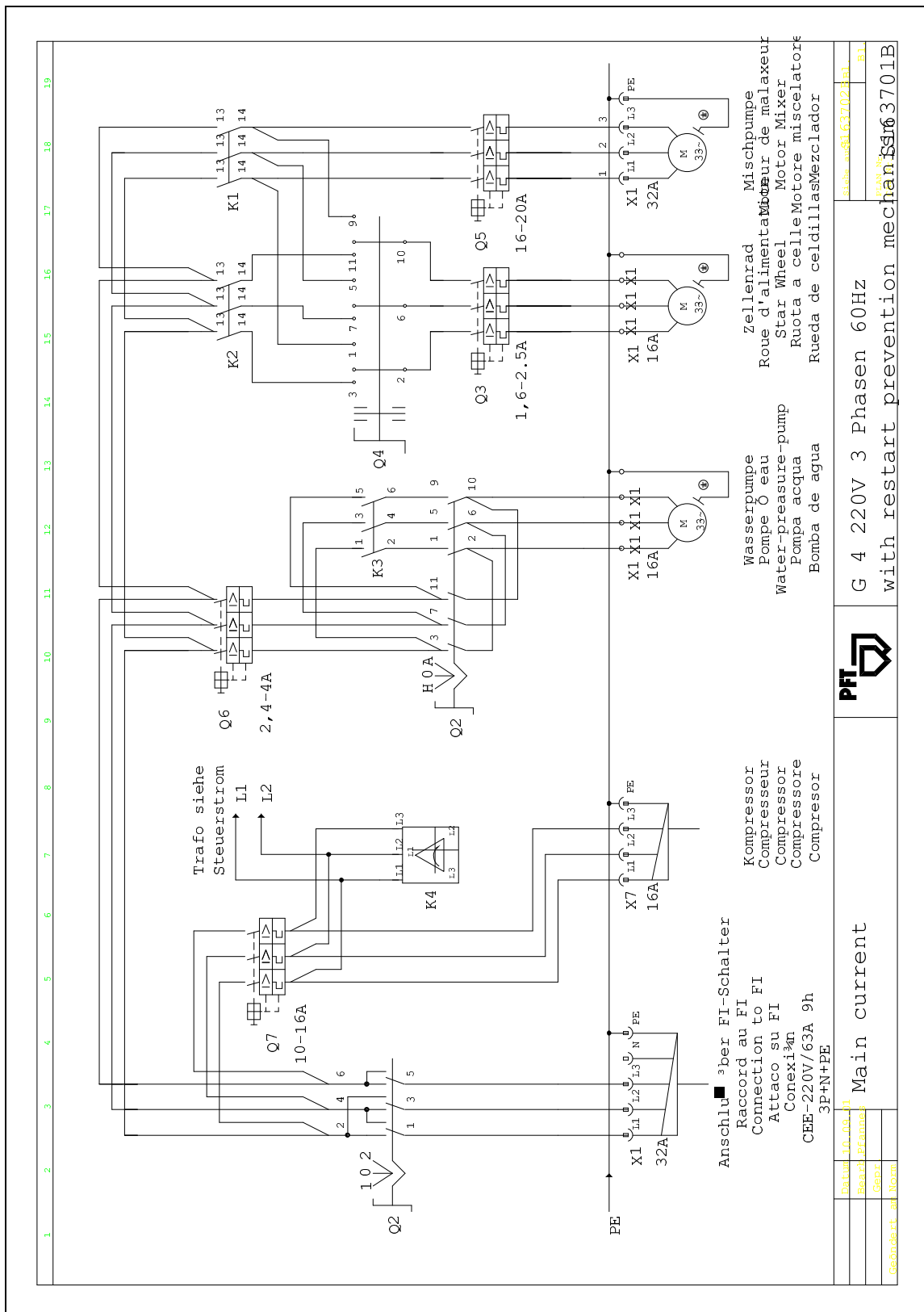
**Star wheel distance disk course plaster (part no. 20 10 19 00)****Water flow meter 31,5 - 315 l/h****with presto equipment (part no 20 18 60 01)**

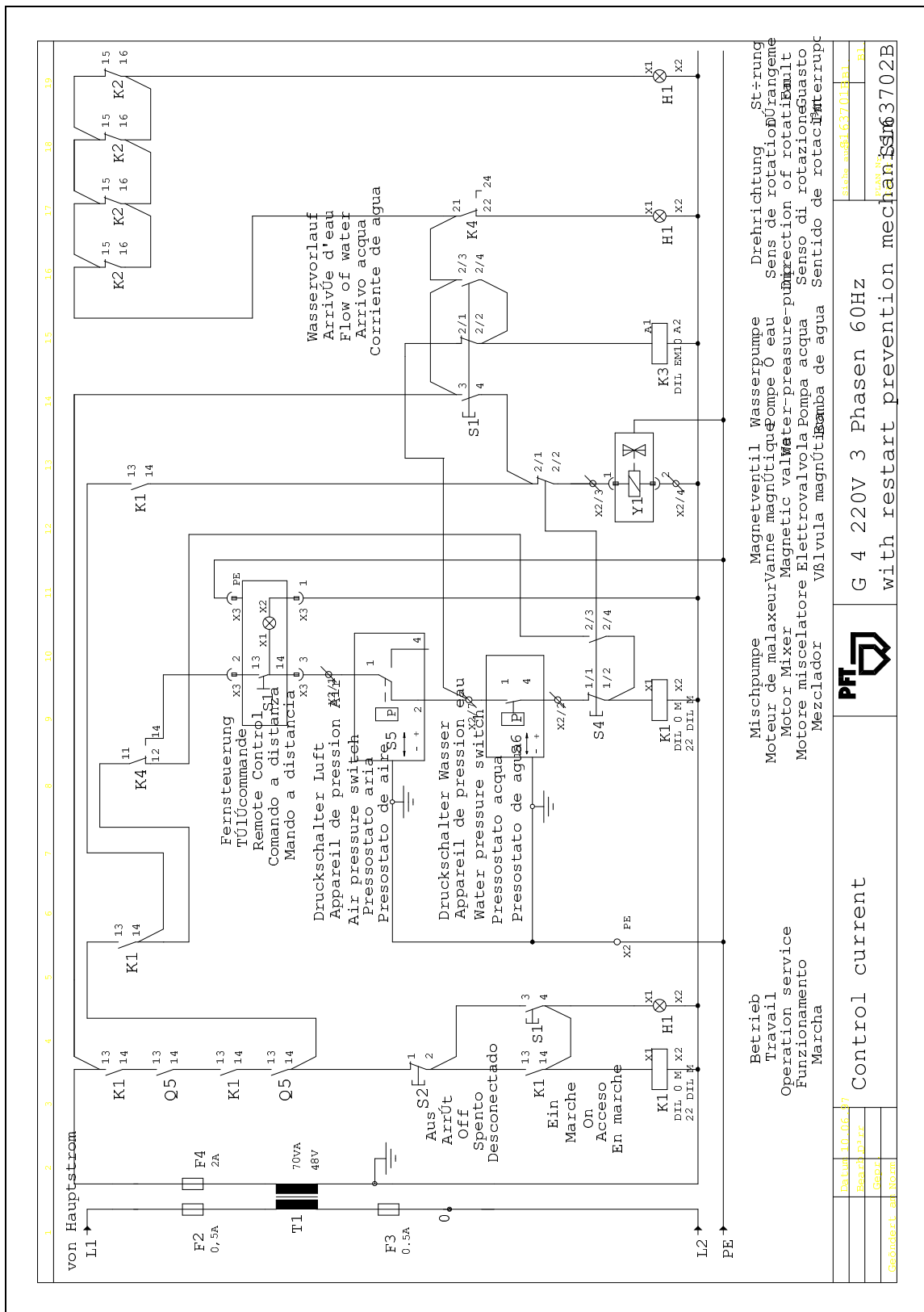
contains cap for water inlet.

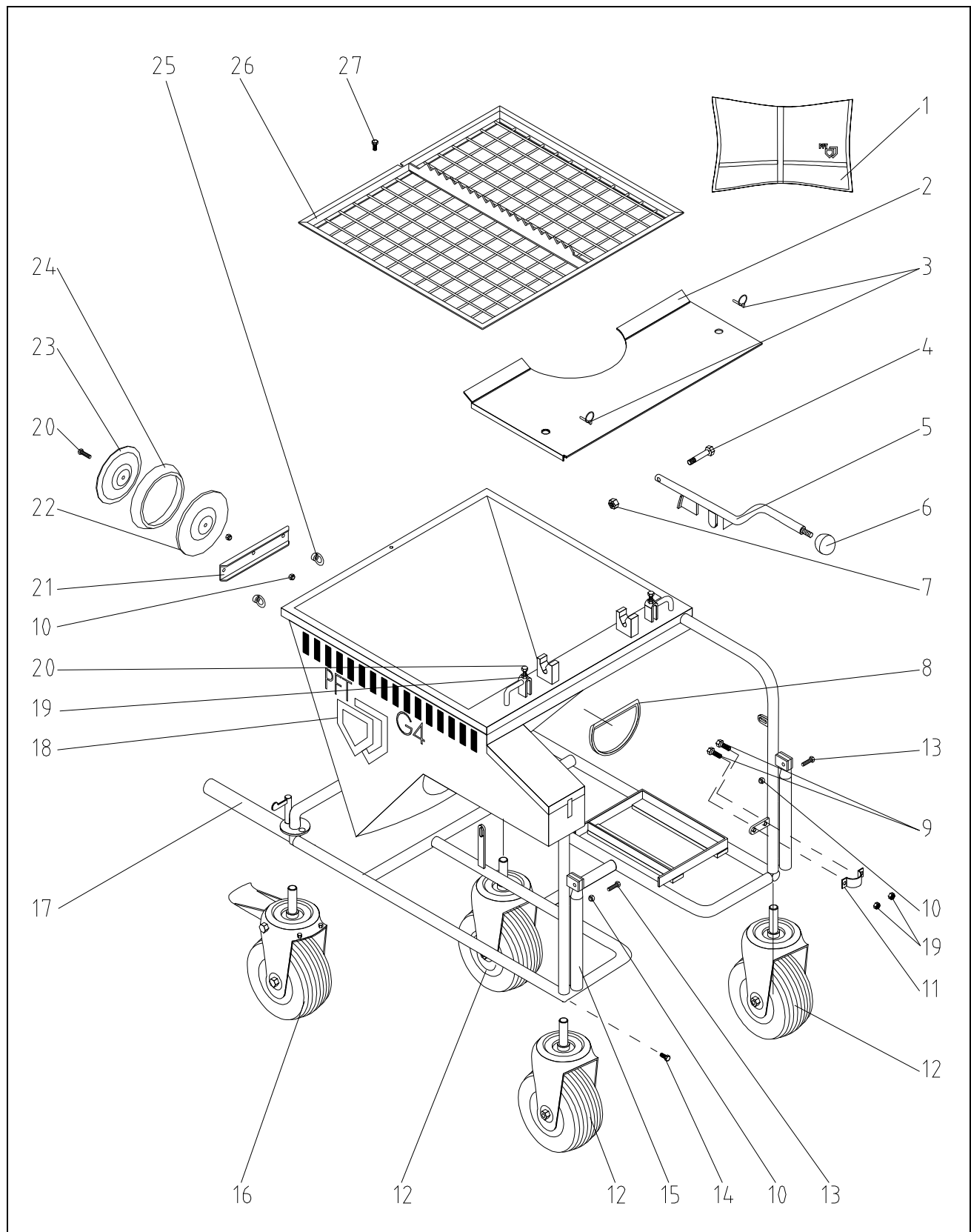
**Cap for water inlet (part no. 20 21 58 00)**

with Geka 1" ext. thread and Geka 1" int. thread.

Circuit diagramme – main current.....	3 01 00 602
Circuit diagramme – control current.....	3 01 00 603
Hopper with frame unit.....	3 01 00 702
Star wheel unit.....	3 01 00 704
Mixing tube unit.....	3 01 00 706
D-pump unit.....	3 01 00 708
Control box unit.....	3 01 00 710
Water-air manifold unit.....	3 01 00 714
Air compressor unit Typ K2.....	3 01 00 718
Spray gun unit.....	3 01 00 720

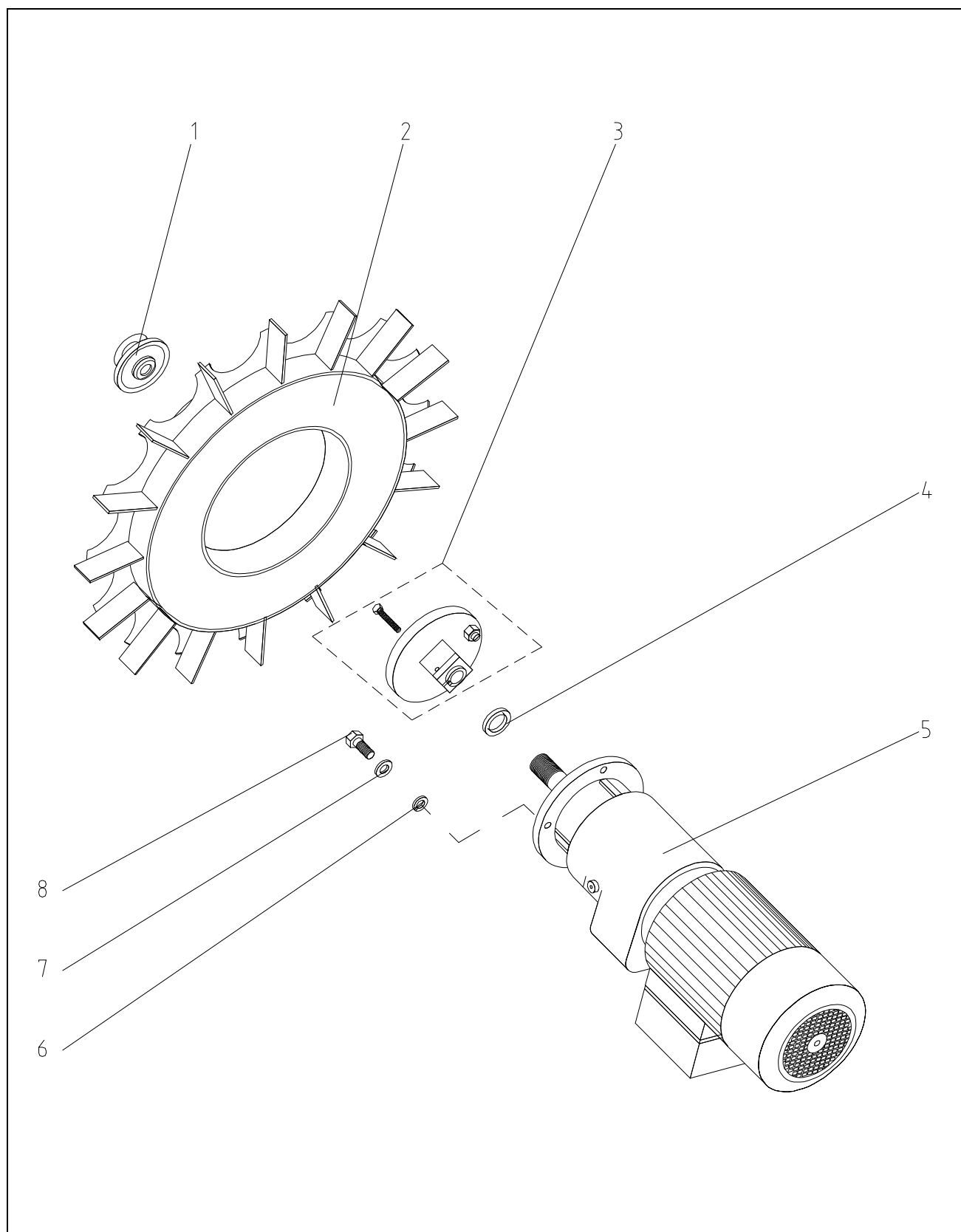






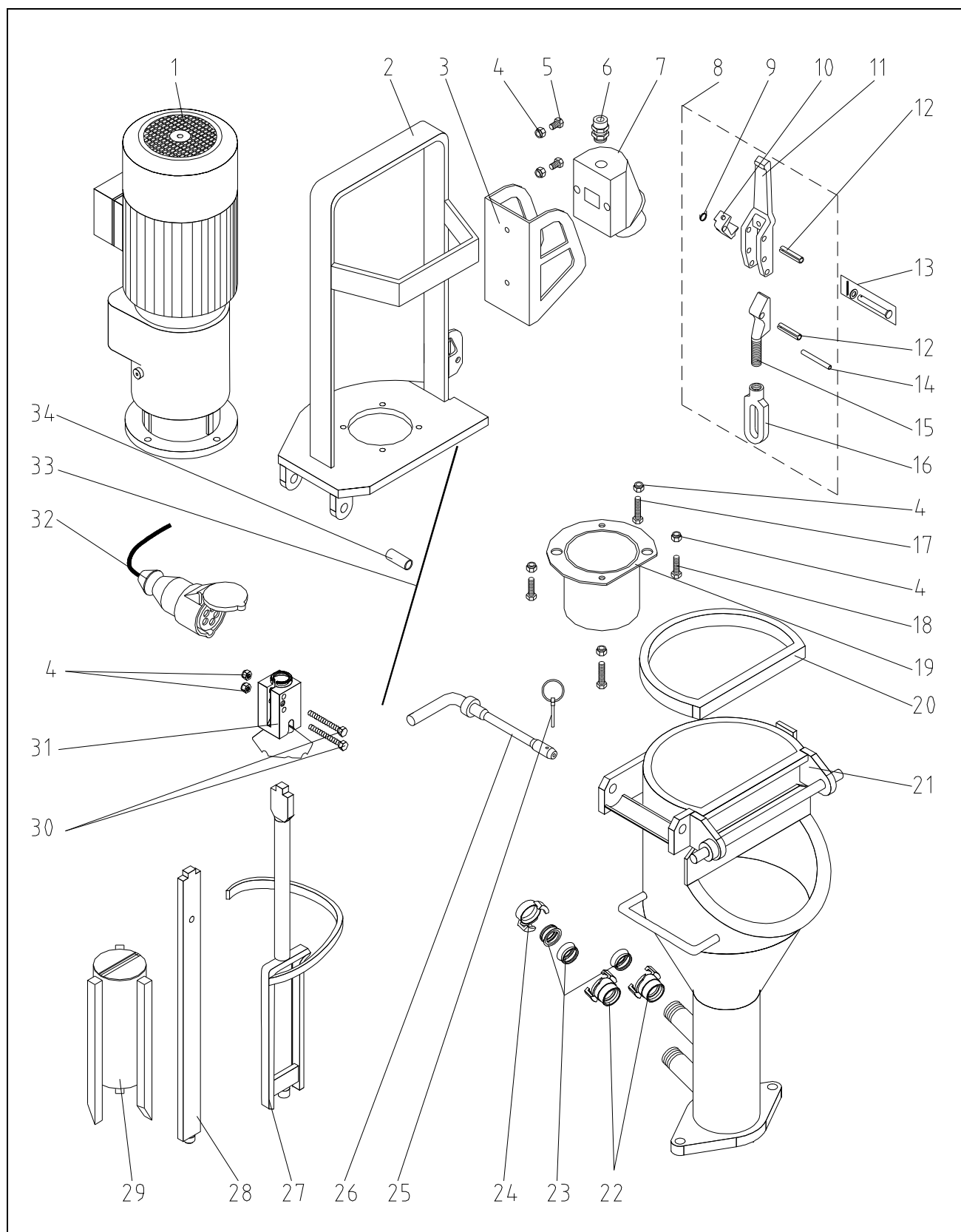
No.	Qty.	Art. No.	Designation
1	1	00 02 16 66	Werkzeugbeutel Mischpumpe/Förderpumpe
2	1	20 10 28 02	Dust guard G 4 with gasket
3	2	20 10 10 10	Splint D 4,5 with ring
4	1	20 20 96 01	Hex. screw M10 x 45 DIN 931 galv.
5	1	00 01 13 86	Locking lever for mixing tube G 4 with knob
6	1	20 70 61 10	Knob M 12, plastic DIN 319
7	1	20 20 72 10	Safety nut M10 DIN 985 galv.
8	1	20 10 11 00	Gasket cleaning cover G 4 20 x 15 x 670
9	2	20 20 61 00	Hex. screw M8 x 20 DIN 933 galv.
10	4	20 20 72 00	Safety nut M 8 DIN 985 galv.
11	1	20 10 26 10	Fixing clamp for water manifold for G 4
12	3	00 00 11 63	Castor 230 mm black cover
13	2	20 20 78 00	Hex. screw M8 x 30 DIN 933 galv.
14	4	20 20 96 02	Hex. screw M10 x 20 DIN 561 galv.
15	2	20 10 31 10	Folding handle 340mm RAL2004
16	1	00 00 11 64	Double lockable castor 230mm black cover
17	2	20 10 31 00	Hinged handle for G 4
18	1	20 10 33 00	Material hopper with frame G 4 RAL2004
19	4	20 20 64 00	Hex. nut M8 DIN 934 galv.
20	3	20 20 78 10	Hex. screw M8 x 25 DIN 933 galv.
21	1	20 10 13 05	Support for cleaning hole screwed
22	1	20 10 14 01	Cover for cleaning hole, exterior
23	1	20 10 14 00	Cover for cleaning hole, interior RAL 2004
24	1	20 60 33 00	Gasket cleaning cover 10 x 15 x 500
25	2	20 20 79 50	Ring nut M8 DIN 582 galv.
26	1	00 00 21 13	Protection grille made of runners
27	1	20 20 78 19	Hex. screw M8 x 16 with collar

Warning! Items without part numbers cannot be supplied.



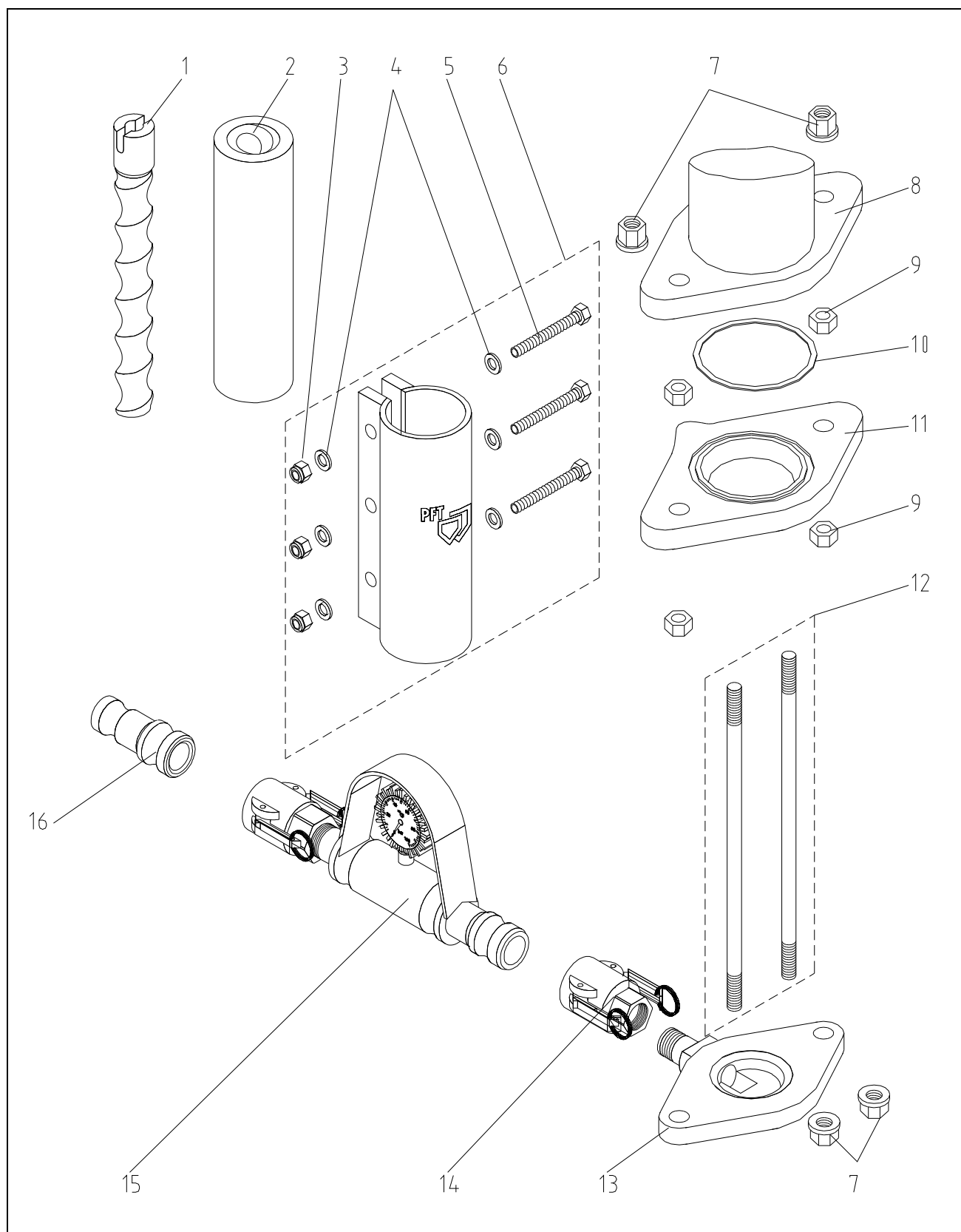
No.	Qty.	Art.No.	Designation
1	1	20 10 17 10	Star wheel ring nut M24 RAL2004
2	1	20 10 15 00	Star wheel RAL2004
3	1	20 10 18 10	Star wheel fixing disc RAL2004
4	1	20 10 15 02	Distance disc star wheel 1.5mm
5	1	00 04 25 87	Motoréducteur 0,55 KW ca. 28 t/min
6	4	20 20 91 10	Spring washer B 12 DIN 127 galv.
7	4	20 20 90 00	Washer B 13 DIN 125 galv.
8	4	20 20 99 61	Hex. screw M12 x 20 DIN 933 galv.

Warning! Items without part numbers cannot be supplied.



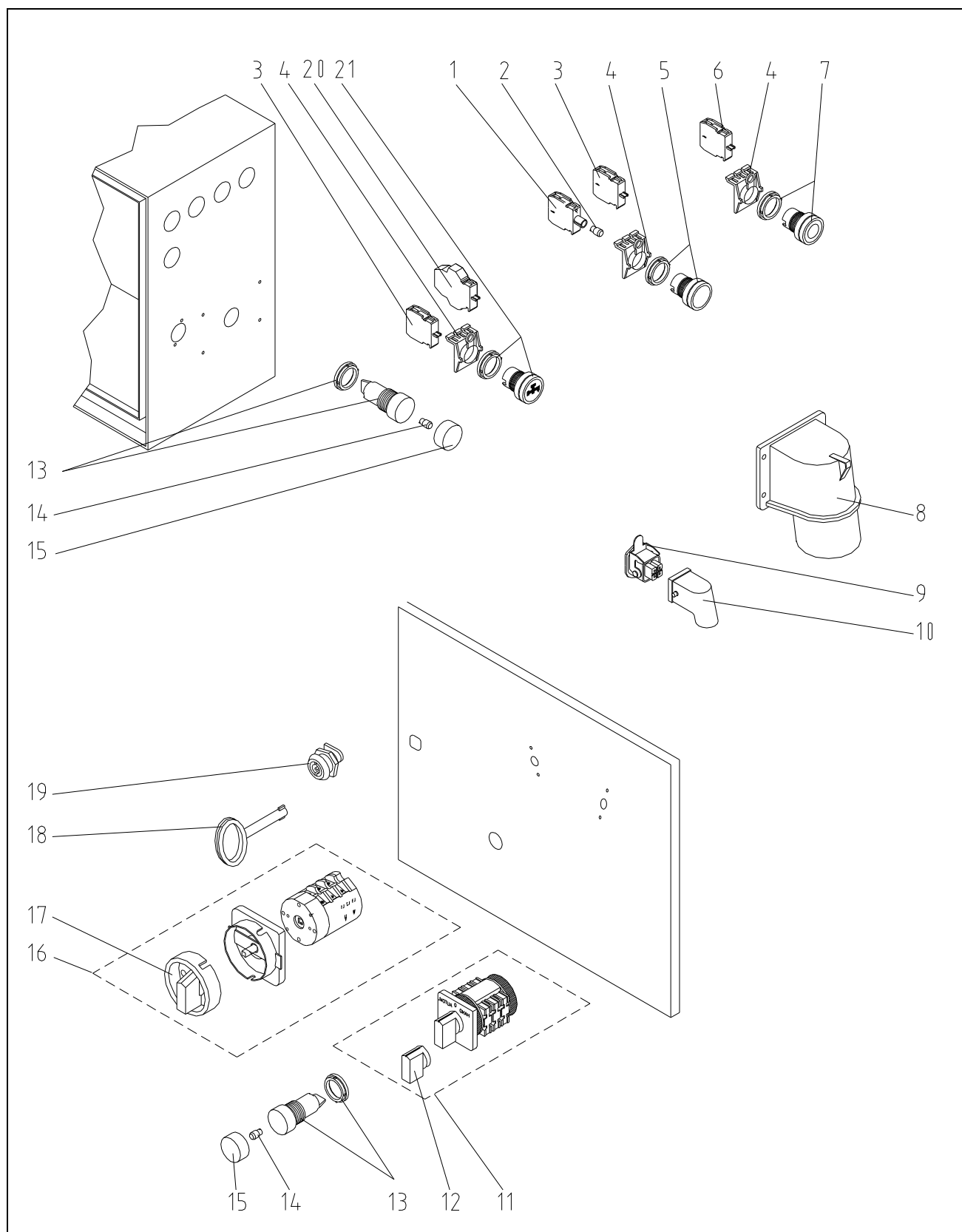
No.	Qty.	Art.No.	Designation
1	1	20 13 97 00	Geared motor 5,5kW 400rpm. 230/400V
2	1	20 10 10 00	Hinged flange with guard bar for G 4 cpl.
3	1	20 10 80 19	Support for panel mounted plug at hinged flange
4	8	20 20 72 00	Safety nut M 8 DIN 985 galv.
5	2	20 20 63 23	Saucer-head screw M8 x 25 DIN 603 galv.
6	2	20 43 09 30	Skintop screw connection PG 16
7	1	20 42 53 00	Panel mounted housing with plug CEE 7 x 16A 6h red no.2166
8	1	20 10 08 01	Snap lock with safety device
9	1	20 10 08 04	Spring
10	1	20 10 08 02	Snap lock
11	1	20 10 08 03	Handle for snap lock
12	2	20 20 85 19	Dowel pin 8 x 40 DIN 1481
13	1	20 20 85 22	Pin 8 H11 x 58 x 54 with washer and spline galv.
14	1	20 54 76 02	Dowel pin 5 x 36 DIN 1481
15	1	20 20 99 74	Screw for snap lock
16	1	20 20 99 71	Nut for snap lock M14x1,5
17	2	20 20 78 01	Hex. screw M8 x 35 DIN 933 galv.
18	2	20 20 78 00	Hex. screw M8 x 30 DIN 933 galv.
19	1	20 10 29 01	Guard for hauling bracket G 4 RAL 2004
20	1	20 10 09 00	Gasket motor hinge flange G 4 20 x 15 x 750
21	1	20 10 06 50	Mixing tube G 4/G 5 with adaptable suction flange RAL2004
22	1	20 20 11 00	Geka coupling 1" int. Thread
23	1	20 20 17 00	Gasket Geka-coupling
24	1	20 20 11 00	Geka coupling 1" int. Thread
25	1	20 10 10 10	Splint D 4,5 with ring
26	1	20 10 12 02	Hinged bolt pin for motor hinged flange galv.
27	1	20 10 35 10	Mixing shaft reinforced for G 4/G 5 RAL2004
28	1	20 10 23 00	Cleaning shaft for D/R pumps RAL 2004
29	1	20 10 23 20	Mixing tube cleaner for D- and R-pumps
30	2	20 20 77 00	Hex. screw M8 x 60 DIN 933 galv.
31	1	20 10 29 10	Hauling bracket G 4 with round funnel, with screws & nuts
32	1	20 42 97 00	Coupling CEE 7 x 16A 6h red no. 746
33	1	20 10 41 05	Wire rope
34	1	20 10 41 06	Aluminium round clamp NG 3 mm

Warning! Items without part numbers cannot be supplied.

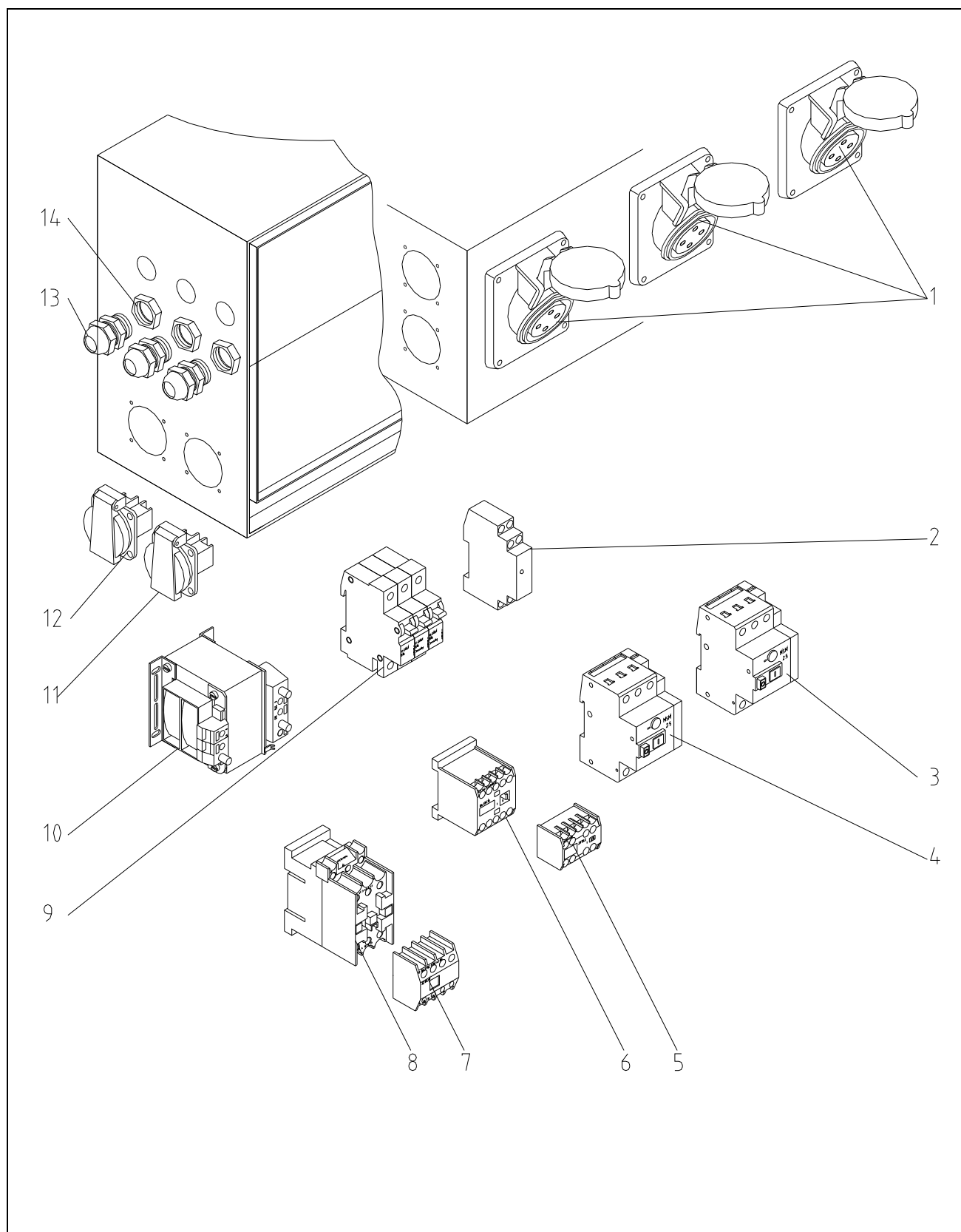


No.	Qty.	Art.No.	Designation
1	1	20 11 30 00	Rotor D6-3
2	1	20 11 55 00	Stator D6-3 white-blue
3	3	20 20 89 00	Safety nut M12 DIN 985 galv.
4	6	20 20 90 00	Washer B 13 DIN 125 galv.
5	3	20 20 88 90	Hex. screw M12 x 85 DIN 933 galv.
6	1	20 11 70 00	Clamp 255mm for D-pump 270mm
7	4	20 20 99 21	Collar nut M16 DIN 6331 galv.
8	1	20 10 06 50	Mixing tube G 4/G 5 with adaptable suction flange RAL2004
9	4	20 20 99 20	Hex. nut M16 DIN 934 galv.
10	1	20 10 42 30	O-ring 117 x 5 for suction flange
11	1	20 10 42 15	Suction flange D-pumps with O-ring LA=200mm
12	1	20 11 87 80	Tie rods M16 x 370mm (1 set = 2 pieces)
13	1	20 11 88 10	Pressure flange D-Pumpe 1 1/4" ext. thread, G 4 RAL2004
14	1	20 20 07 90	Coupling 35 female 1 1/4" int. Thread with gasket
15	1	20 21 72 00	Mortar pressure gauge 35mm
16	1	20 20 03 30	Coupling reduction 35/25 male ID 24

Warning! Items without part numbers cannot be supplied.

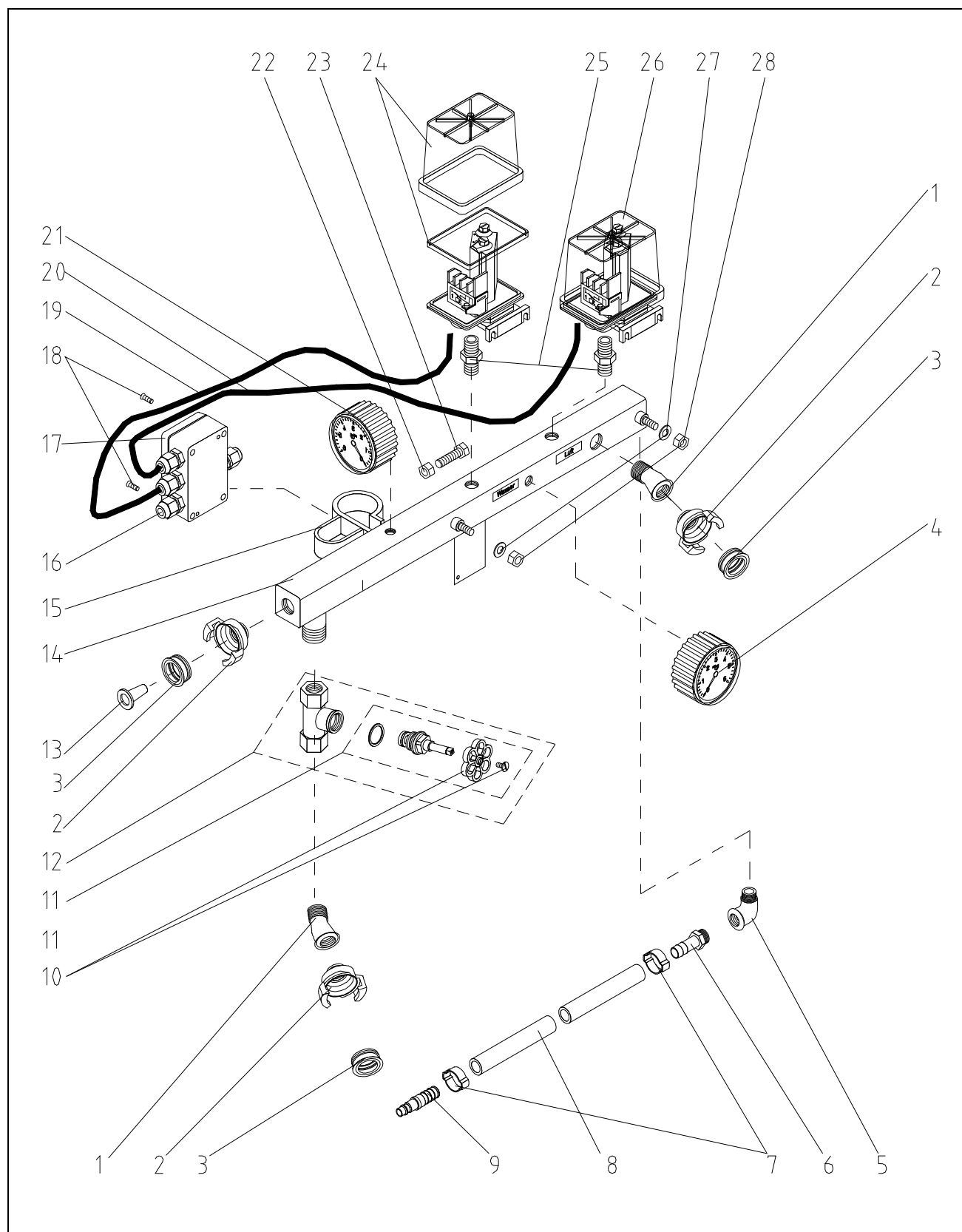


No.	Qty.	Art.No.	Designation
1	1	20 45 59 02	Lamp socket block
2	1	20 45 91 01	Bulb 48V 2W plug in type BA 9 S
3	2	20 45 59 04	Contact element EK10, 1 closer
4	4	20 45 59 03	Mounting adaptor
5	1	20 45 57 20	Push-button green with monitor lamp
6	1	20 45 59 11	Contact element EK01, 1 opener
7	1	20 45 59 10	Push button OFF red
8	1	20 42 51 00	Panel mounted housing with plug CEE 5 x 32A 6h red no. 391
9	1	20 42 98 00	Coupling 4-pin HAN 3A with female insert
10	1	20 42 85 01	Dummy plug 4 poles, HAN 3A
11	2	20 45 55 00	Hand-O-automatic switch 400V
12	2	20 45 56 00	Knob for hand-O-automatic switch
13	2	00 00 22 51	Control lamp red without cover lamp
14	2	20 45 91 02	Bulb 48V screw in type 2W
15	2	20 45 80 00	Red cover (20 45 70 00)
16	1	20 45 52 00	Main reversing switch, cpl.
17	1	20 45 52 01	Knob for main reversing switch Item no.20 45 52 00
18	1	20 44 45 00	Key for control box
19	1	20 44 46 00	Lock for control box
20	1	20 45 59 15	Push button blue
21	2	20 45 59 06	Contact element EC11, 1 closer 1 opener
22	1	20 45 58 01	Push button for water flow



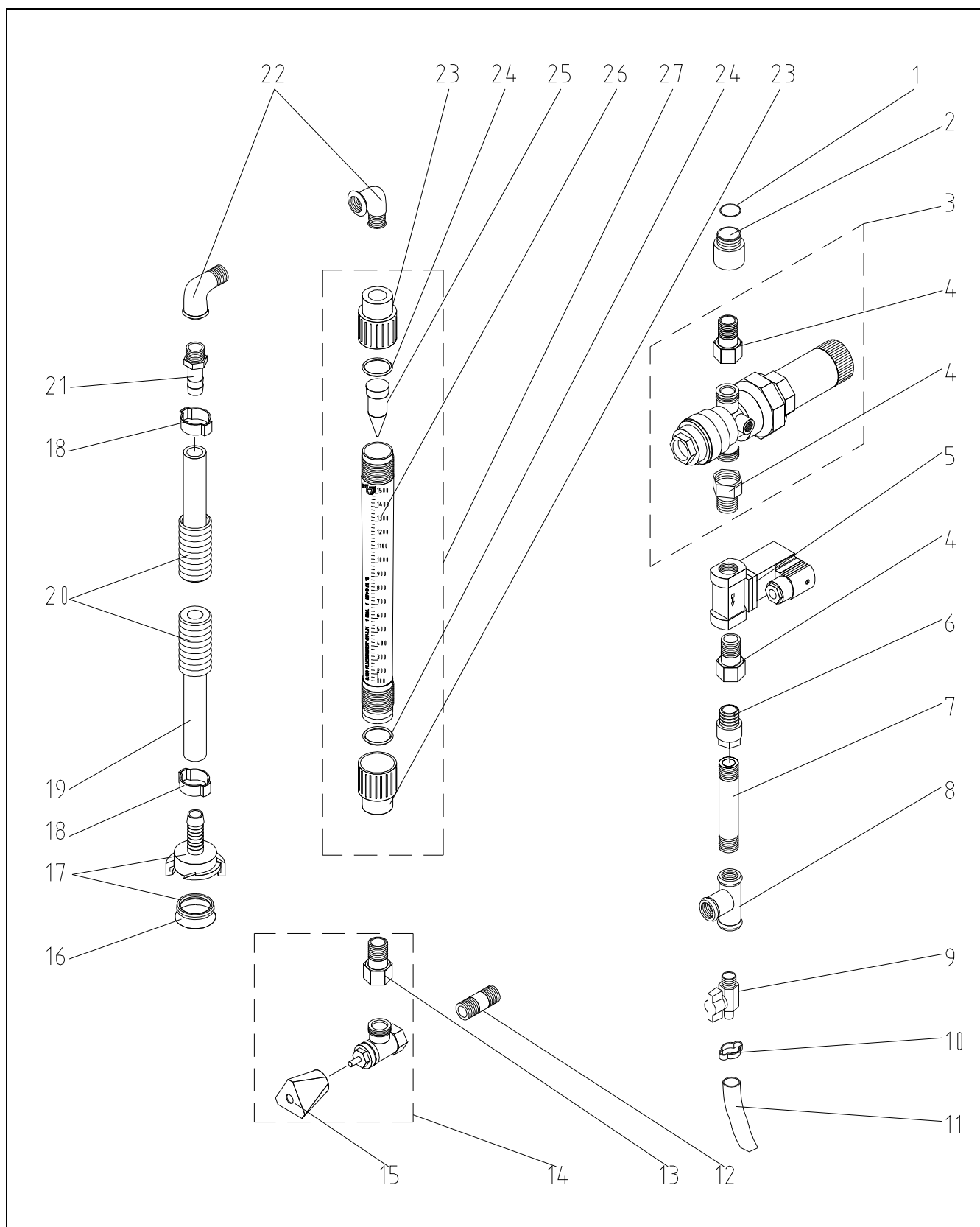
No.	Qty.	Art.No.	Designation
1	1	20 42 66 00	Panel mounted socket CEE 4 x 16A 6h red no.1467, flange 92 x 100
2	1	20 45 27 51	Phase sequence relay 200-500 V type FPF 2
3	1	20 45 08 10	Motor protection switch 10-16 A
4	1	20 45 09 01	Motor protection switch 1.6-2.5 A
5	1	20 45 04 20	Auxillary contact 20 DIL E to fix at top
6	1	20 44 66 10	Contactor DIL EM 10 42V 50Hz/48V 60Hz
7	1	20 45 04 10	Auxillary contact 31 DIL M to fix at top
8	1	20 44 71 00	Contactor DIL OM 42V
9	3	20 41 93 10	Automatic circuit breaker 16A 3 phase
10	1	20 46 08 00	Transformer 230/400V 42V (100VA) fuse 5 x 30 mm
	2	20 41 90 80	Fuse 5 X 30, 0.315A
	1	20 41 90 21	Fuse 5 x 20, 2.0 A
11	1	20 42 72 00	Panel mounted socket Schuko 16A blue no. 10436
12	1	20 42 72 10	Panel mounted socket Schuko 16A grey no. 10199
13	3	20 43 09 30	Skintop screw connection PG 16
14	3	20 43 09 44	Nut for Skintop screwed joint PG 16

Warning! Items without part numbers cannot be supplied.



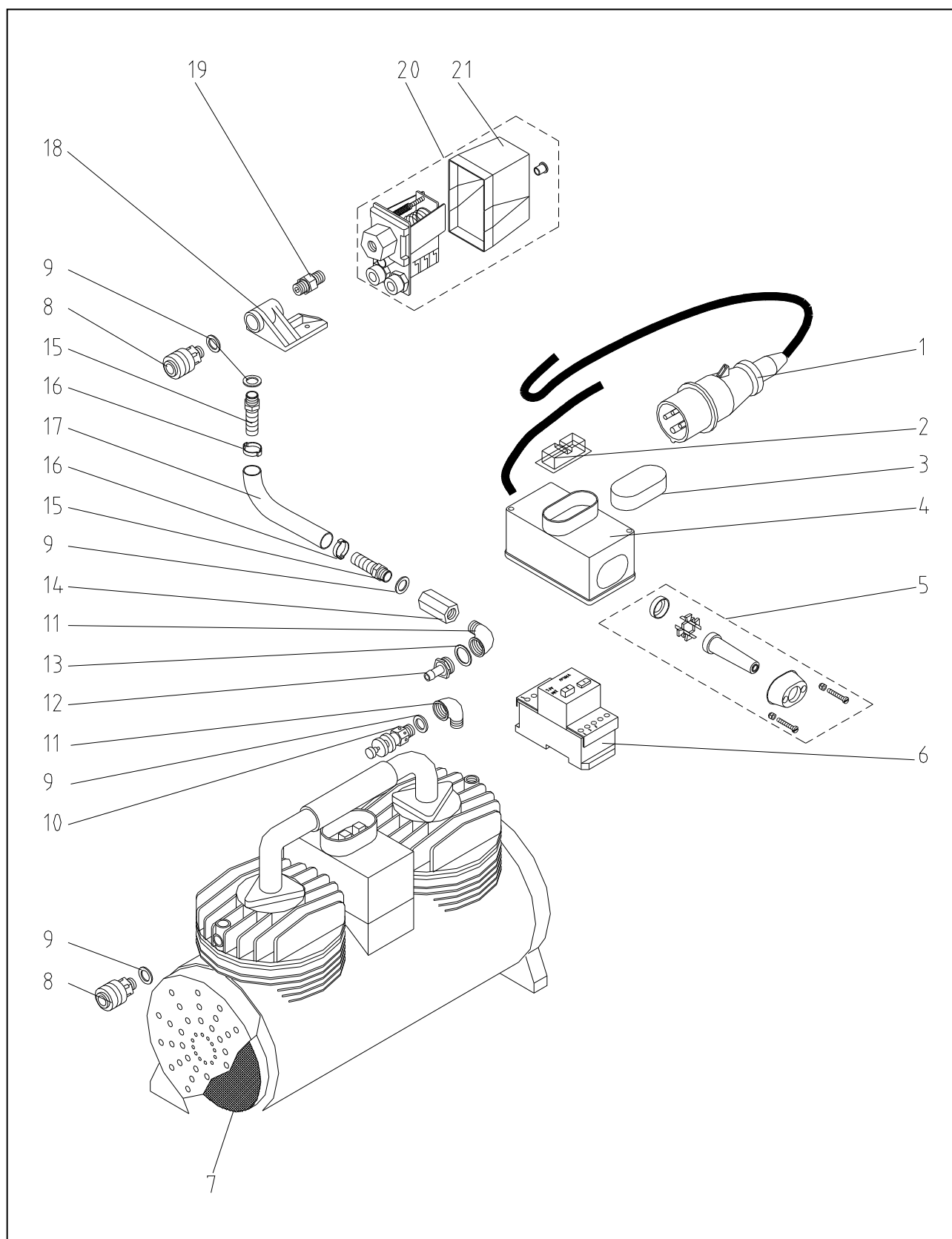
No.	Qty.	Art.No.	Designation
1	2	20 20 38 00	Curved section 1/2" int. thread-ext. thread 45 ° no. 121 galv.
2	3	20 20 09 00	Geka coupling 1/2" ext. Thread
3	3	20 20 17 00	Gasket Geka-coupling
4	1	20 21 60 10	Gauge 0-6 bar 1/4" at back, D = 63mm
5	1	20 20 36 00	Curved section 3/8" int. thread-ext. thread no. 92 galv.
6	1	20 19 04 00	Hose screw joint 3/8" ext. thread socket 1/2"
7	2	20 20 25 00	Hose clip 20-23 packing unit=10ST
8	1	20 21 35 00	Water-/air hose 1/2" x 580mm
9	1	20 20 21 00	EWO-coupling male with socket 1/2"
10	1	20 21 52 01	Handle for tap (20215200)
11	1	20 21 52 02	Upper section for tap 20 21 52 00
12	1	20 21 52 00	Tap 1/2" without drainer
13	1	20 15 20 00	Water inlet filter for Geka coupling
14	2	20 10 25 00	Water/air distribution tube
15	1	20 10 26 11	Clip for water flow meter 150-1500 l/h RAL 2004
16	4	20 43 14 00	Nut for Skintop screwed joint PG 11
17	1	20 42 48 00	Distribution box cpl.
18	2	20 20 63 05	Cheese-head screw M4 x 12 DIN 84
19	1	20 44 76 31	Connection cable water pressure switch G 4
20	4	20 44 76 30	Connection cable air pressure switch G 4
21	1	20 21 60 00	Gauge 0-10 bar 1/4" at bottom, D = 63mm
22	3	20 20 64 00	Hex. nut M8 DIN 934 galv.
23	1	20 20 78 10	Hex. screw M8 x 25 DIN 933 galv.
24	1	20 44 86 00	Protection cover for pressure switch (20 44 76 00) FF4
25	2	20 20 37 10	Double nipple hex. 3/8" no. 280 galv.
26	1	20 44 76 00	Pressure switch Typ FF4-4 0,22-4bar
27	2	20 20 93 13	Washer B 8,4 DIN 125 galv.
28	3	20 20 64 00	Hex. nut M8 DIN 934 galv.

Warning! Items without part numbers cannot be supplied.



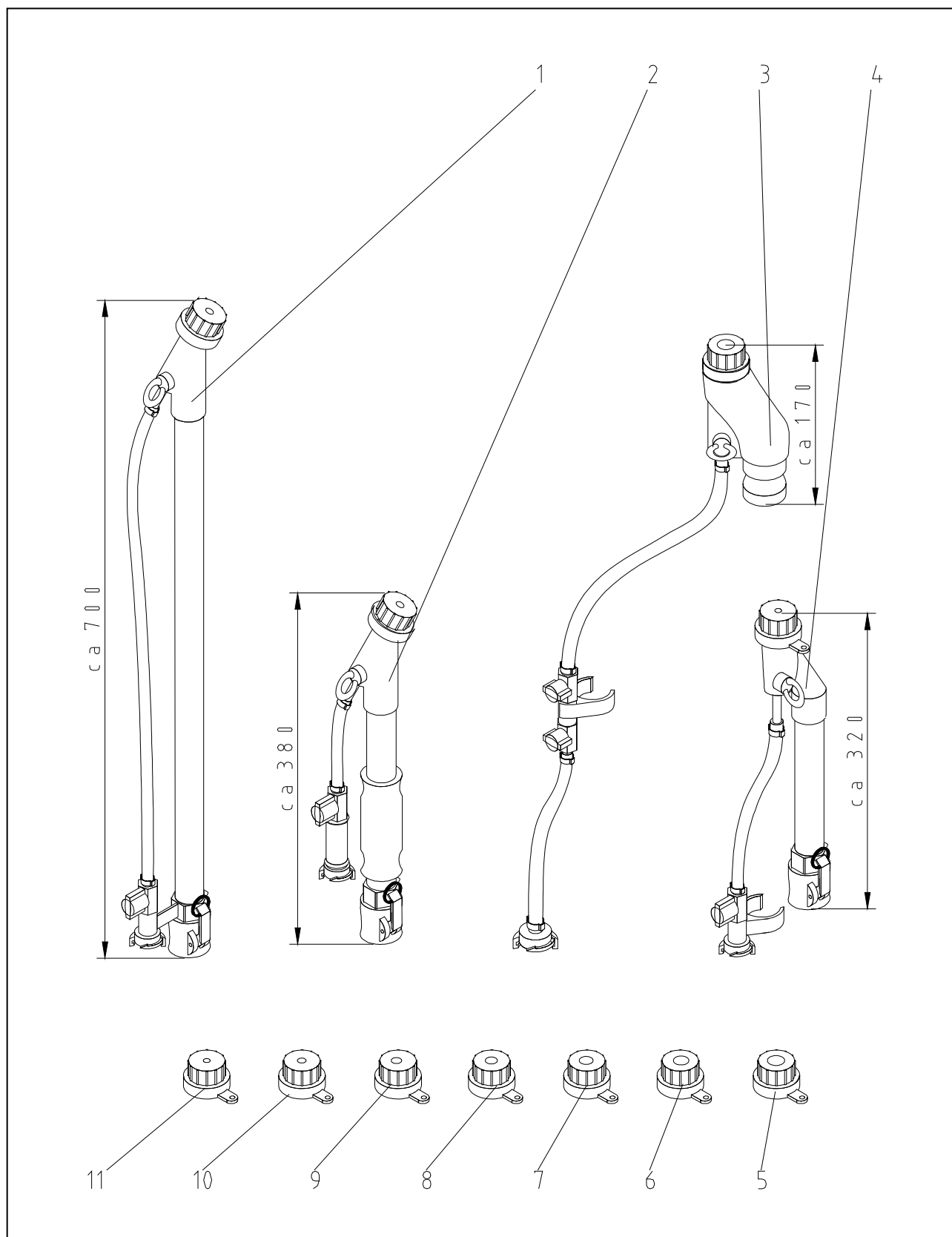
No.	Qty.	Art.No.	Designation
1	1	20 10 26 01	Gasket USIT TM 120 NBR 28 x 20,7 x 1,5
2	1	20 20 34 20	Faucet prolongation 1/2" x 20mm DIN 3523
3	1	20 15 52 00	Pressure reducer D 06FN 1/2"
		20 15 60 00	Filter for pressure reducer
4	3	20 20 31 07	Nipple 1/2" ext. thread flat with nut 3/4" int. thread
5	1	20 15 26 13	Solenoid valve 1/2" 42V type 6213 A
6	1	20 20 51 11	Reducing nipple 3/4" ext. thread 1/2" int. thread DIN 3523 30mm brass
7	1	20 20 33 00	Double nipple 1/2" x 100 no. 23 galv.
8	1	20 20 45 21	T-piece 1/2" 1/2" 3/8" int. thread no. 130 galv.
9	1	20 19 03 20	Tap 3/8" ext. thread with socket 10mm
10	1	20 20 26 10	Hose clip 15-18 packing unit=10ST
11	1	20 19 05 30	Hose section 9mm x 220mm
12	1	20 20 34 00	Double nipple 1/2" x 40 no. 23 galv.
13	1	20 20 31 05	Nipple with conical socket 1/2" ext. thread with reducer nut 3/4" int. thread for item no.20 15 77 00
14	1	20 15 77 00	Needle valve 1/2" type 6701
15	1	20 15 78 00	Hand knob for needle valve 1/2"
16	1	20 20 17 00	Gasket Geka-coupling
17	1	20 20 16 00	Geka coupling 3/4" socket
18	2	20 20 24 00	Hose clip 23-28 packing unit=10ST
19	1	20 21 36 19	Water-/air hose 3/4" x 580mm
20	1	20 20 30 05	Hose kink eliminator Ø 3/4" for water/airhose 580mm
21	1	20 19 04 42	Hose screw joint 1/2" ext. thread socket 3/4"
22	2	20 20 36 10	Curved section 1/2" int. thread-ext. thread no. 92 galv.
23	2	20 18 33 10	Reduction nipple 1" ext thread - 1/2" int. thread plastic
24	2	20 18 32 00	O-ring 28,17 x 3,53 DIN 3771-NBR 70
25	1	20 18 34 00	Cone for water flow meter 1500
26	1	20 18 51 10	Plastic tube 150-1.500 l/h
27	1	20 18 50 04	Water flow meter 150-1500 l/h cpl.

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No.	Qty.	Art.No.	Designation
1	1	20 42 79 00	Plug CEE 4 x 16A 6h red no. 252
2	1	20 13 16 00	Plastic cover, rectangular
3	1	20 13 16 10	Plastic cover, oval
4	1	20 13 22 20	Switch cover for K2
5	1	20 13 17 00	Clip cpl.
6	1	20 45 09 01	Motor protection switch 1.6-2.5 A
7	1	20 13 40 00	Filter diam. 100mm
8	2	20 20 20 00	EWO coupling female 1/4" ext. thread non-blocking
9	5	20 13 47 00	Sealing ring 13 x 20 x 2
10	1	20 13 12 00	Safety valve 1/4" 3.5bar with washer
11	2	20 20 36 50	Curved section 1/4" int. thread-ext. thread no. 92 galv.
12	1	20 20 21 03	EWO-coupling male 1/4" ext. thread
13	1	20 15 52 10	Sealing ring D21 x 14 x 3 PTFE for tap at pressure reducer
14	1	20 21 90 51	Double counter flow valve 1/4"int.thread
15	2	20 19 04 12	Hose screw joint 1/4" ext. thread socket 1/4"
16	2	20 20 26 10	Hose clip 15-18 packing unit=10ST
17	1	20 19 05 10	Hose section 9mm x 310mm
18	1	20 13 01 06	Distributor for pressure switch-off
19	1	20 20 32 83	Double nipple hex. 1/4" no. 280 galv.
20	1	20 13 51 10	Pressure switch Typ FF53-5,1/4" 2-3bar 3-phase opener
21	1	20 13 51 11	Cover for pressure switch 20 13 51 10

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No.	Qty.	Art.No.	Designation
1	1	20 19 00 11	Spraying gun 25mm ID24, Düse 14mm, 30° long version
2	1	20 19 20 01	Spray gun 25mm, crimp valve, coupling ID 24 cap 14mm
3	1	20 19 60 00	Spraying gun 35mm
4	1	20 19 00 02	Spraying gun 25mm ID24, Düse 14mm
5	1	20 19 12 00	Spraying cap 20mm
6	1	20 19 11 00	Spraying cap 18mm
7	1	20 19 10 00	Spraying cap 16mm
8	1	20 19 09 00	Spraying cap 14mm
9	1	20 19 08 00	Spraying cap 12mm
10	1	20 19 07 00	Spraying cap 10mm
11	1	20 19 07 01	Spraying cap 8mm

Warning! Items without part numbers cannot be supplied.

Drive:	2 three-phase geared motors	400V, 50Hz
	- Pump motor	5,5 kW
	- Star wheel motor	0,55 kW

Power consumption:	Pump motor	11,5 A at 400V
	Star wheel motor	1,75A at 400V

Dimensions:	Total width:	730mm
	Total length:	1200mm
	Total height:	1550mm
	Filling height / hopper capacity	930mm / 150l
	Or with extension	1050mm / 200l

Weight:	Machine	approx. 141,0 kg
	Motor hinged flange cpl.	approx. 53,0 kg
	Mixing pump	approx 17,5 kg
	Mixing tube	approx 18,5 kg
	Compressor	approx 23,5 kg
	Total weight	approx 253,0 kg

Connections:	Power connection	400 V-three-phase, 32A
Only connect to electrical panel	Protection:	3 x 25A
	FI protection switch necessary!	

Power source:	At least 25 kVA
---------------	-----------------

Water connection:	¾" Hose	At least 2.5 bar
		Water pressure when Machine is running

Machine performance:	5-55 l/min depending on motor speed, mortar quality, consistency and pump version
Operating pressure:	max. 30 bar

Conveying distance:

Depending on

Motor speed, mortar quality,
consistency and pump version

- max. 30 m with 25 mm Ø
- max. 50 m with 35 mm Ø

Compressor performance:

400 V / 3 Phase, 50 Hz

0,9 kW, approx. 0,25 Nm³/min,
max. 4 bar

Remote control:

With air or 42 V control voltage

Conveying hoses:

Internal diameter

25 mm Ø

On request

35 mm Ø

Breaking pressure

120 bar

Max. permissible pressure

40 bar

Air hose:

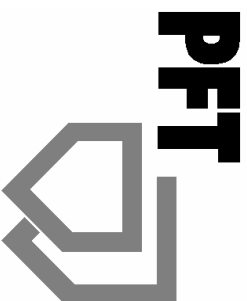
Internal diameter

13 mm Ø

Permanent sound pressure

85 ± 1 dB (A)

WE KEEP THINKS MOVING



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