Airless Paint Sprayer

DP-N5

Cement Mortar Sprayer

WE KEEP THINGS MOVING

Introduction

Dear customer:

Congratulations! You have just made a wise decision to purchase high-quality DP machine set.

DP N5 is a new kind of transfer pump. By combining perfect and advanced design with excellent techniques, this type of mortar machine set possesses advantages of reliable performance, strong adaptability, and durability. This machine set along with accessories of high compatibility and durability will provide outstanding work performance and greatly improve productivity. Being easy to carry and maintain, machine set is one kind of dry powder mortar machine sets which are greatly welcomed in Europe.

Please keep this manual properly. This machine provides you with vital information about the machine's functions. Read the manual thoroughly before you operate this machine set. DP will not liable for accidents and malfunctions that are caused by incorrect operation. Proper operation and maintenance will make the DP N5 a dependable aid.

DP persists in the strategy of sustainable development. Therefore, we reserve the right to improve the products described in this manual without any notice in advance.

Introduction

First inspection after delivery

If necessary, you can make an appointment with designated dealers to arrange this service. At the end of first operation of this machine, please check if the operation and adjustment of the machine is normal. Factory setting can be reasonably changed according to actual demand.

The suggested time for testing the machine at first time is two hours at least. At the end of first operation, technicians should inspect the following items and settings:

1.Pump core Pressure
2.Control box
3.Water pressure switch
4.Air control switch
5.Manual or Remote control switch
6.Circulation work

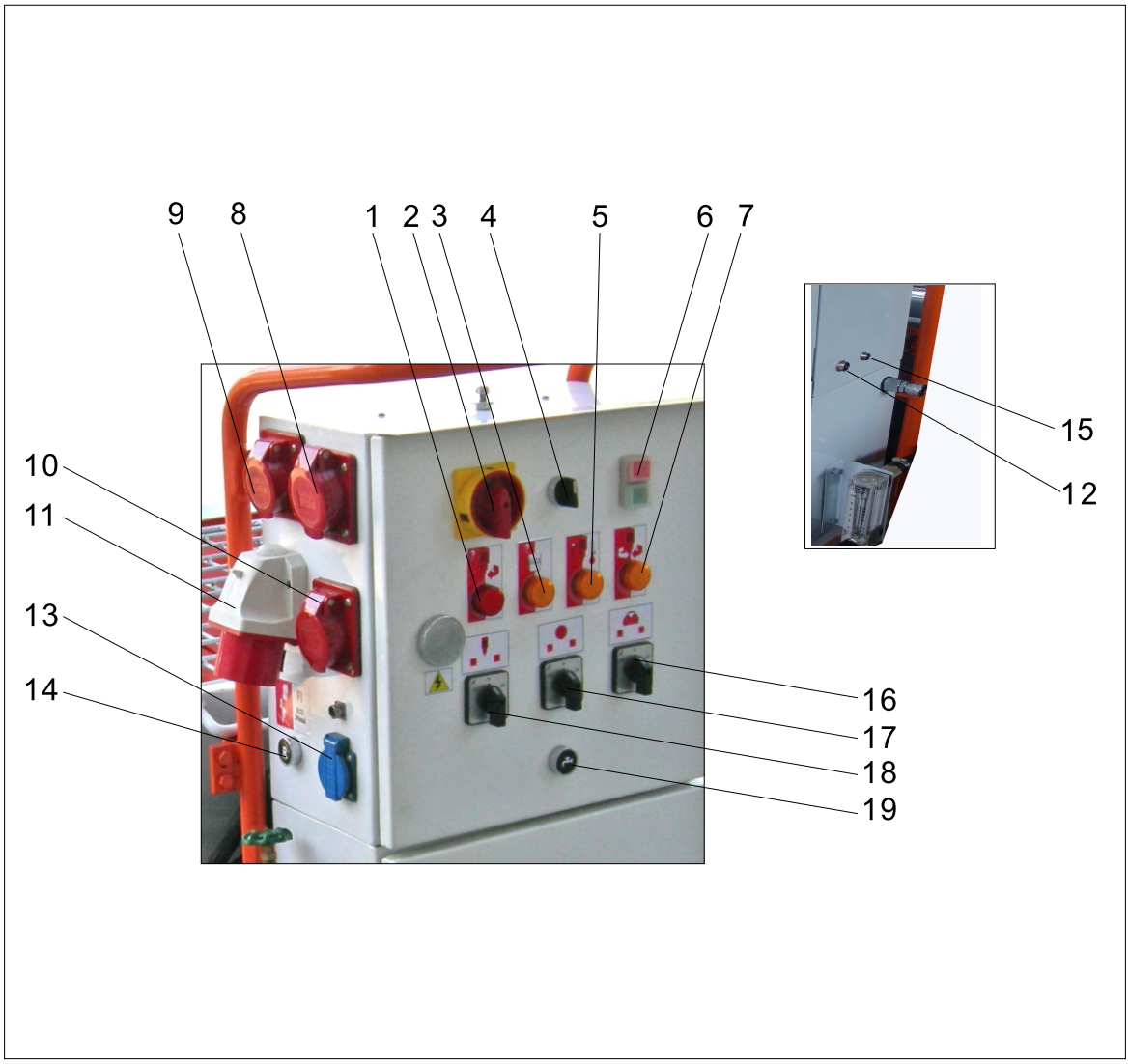
NOTE!
WARRANTY CARD MUST BE FILLED AND RETURNED TO EW.
NO WARRANTY WITHOUT WARRANTY CARD!

Contents

Overview

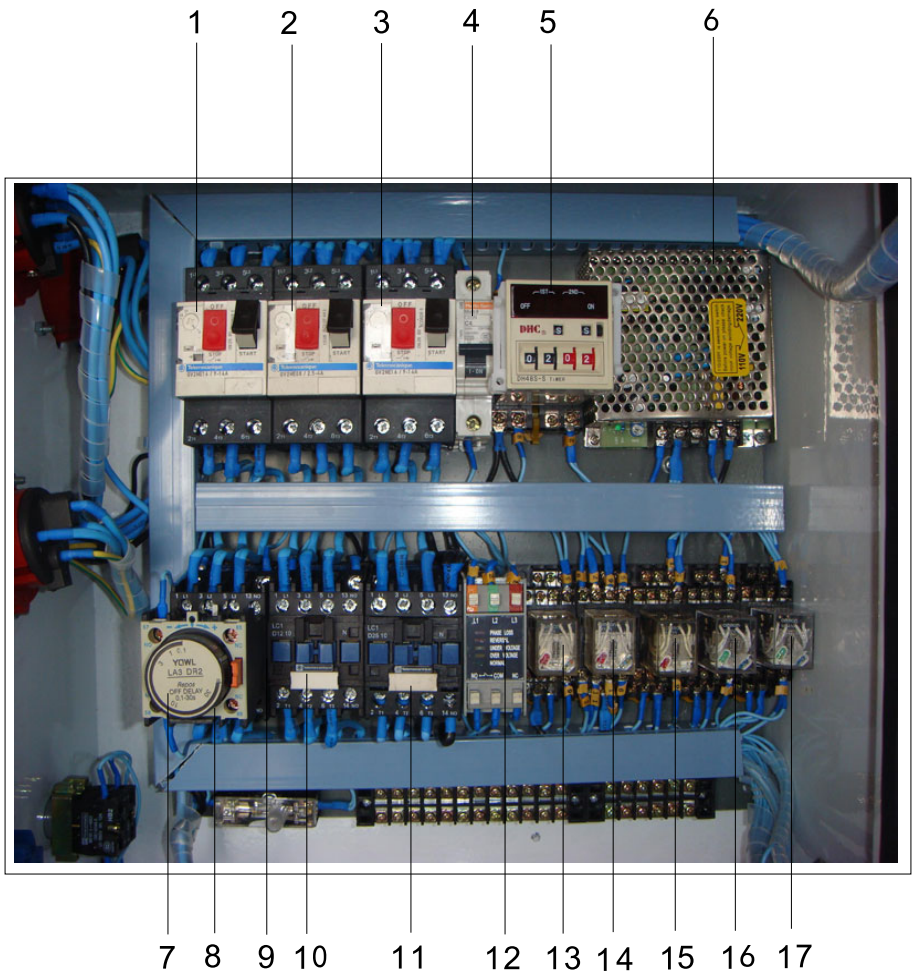
1. Electric Box
2. Protection Grill
3. Snap
4. Pump Motor
5. Retard gear Box
6. Mixing Tube
7. Water Inlet
8. Pumping Core
9. Pressure Control Organ
10. Water Flow Control Switch
11. Air pump
12. Material Hopper
13. Star wheel motor

Electric Box Overview



1. Display Lamp: Direction of Rotation
2. Main Reversing Switch
3. Display Lamp: Water Pressure too low
4. Manual, Remote or Air Control Switch
5. Display Lamp: Pressure Protect
6. Display Lamp: ON/OFF
7. Display Lamp: Periodic Working
8. Socket: standby 16A
9. Socket: star wheel 16A
10. Socket: Pump Motor 16A
11. Socket: For mains 32A
12. Wire Control Socket
13. Socket: 230V 16A
14. Water Experiment Switch
15. Wire Control Socket
16. Hand-O-Automatic Compressor
17. Hand-O-Automatic Star Wheel
18. Hand-O-Automatic Motor, Water Pump
19. Reverse Switch

Inner View



1.Motor Current Switch

2.Star Wheel Current Switch

3.Air Pump Current Switch

4.Water Pump Current Switch

5.Periodic Time Setting

6.Transformer 24v

7.Time Delay Setting Air Pump

8.Fuse (5A)

9.Altermation Contactor Of Motor

10.Altermation Contactor Of Star Wheel

11.Altermation Contactor Of Air Pump

12.Sequence Control organ

13.Sequence Protect Relay 220V

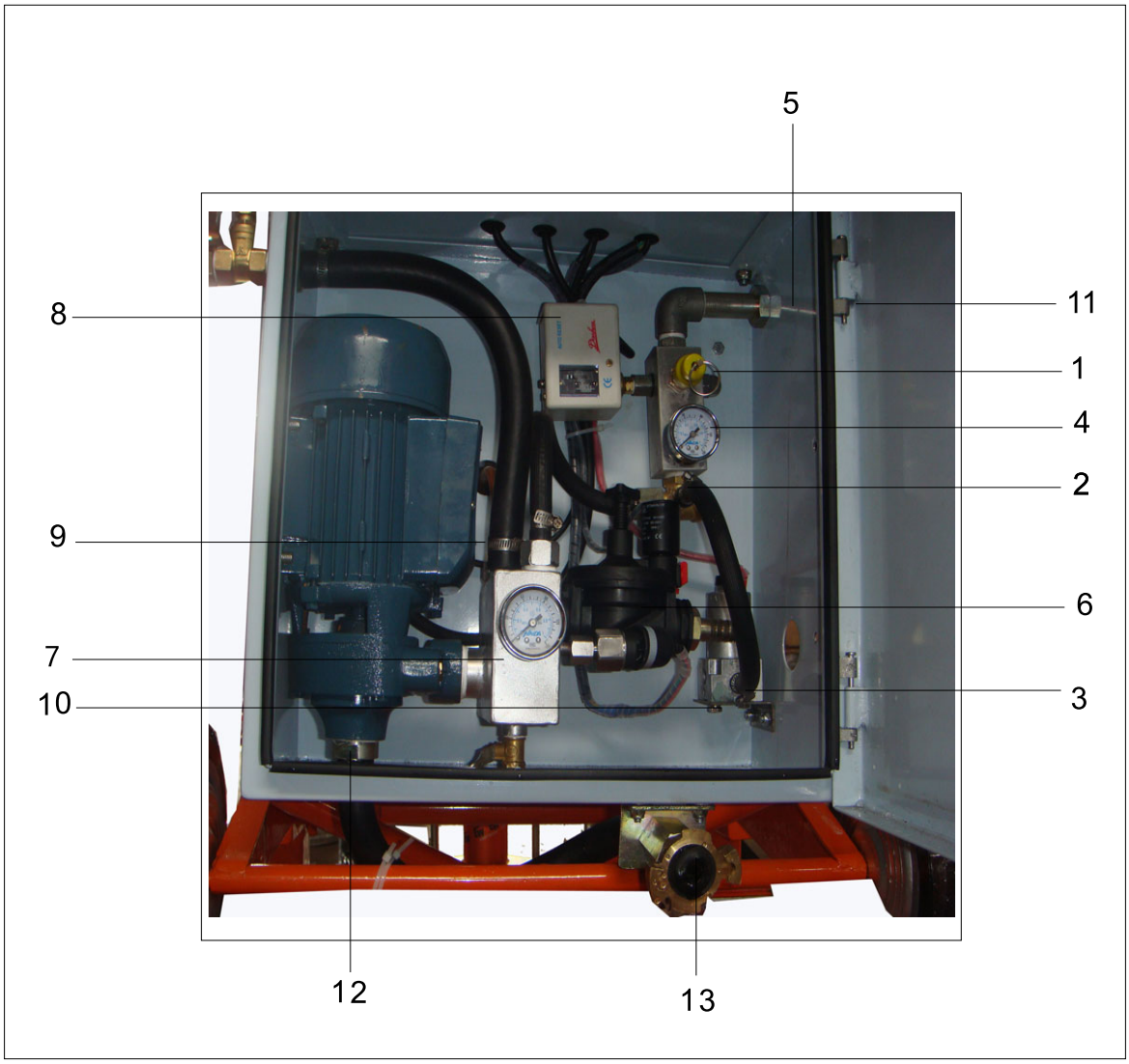
14.Master Switch Relay

15.Air Switch Relay 220V

16.Pressure Switch Relay 24V

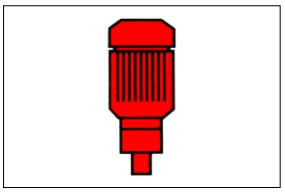
17.Manual,Remote Relay 24V

Air-water synchronizing control box

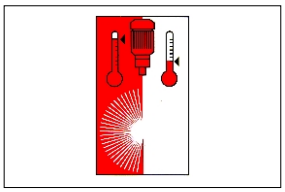


1. Safety valve
2. Stop and return valve
3. Air-electromagnetism valve
4. Air pressure Gauge
5. Air pipe
6. Pressure reducing valve
7. Display of Pre-reducing pressure
8. Pressure switch of Air Pump
9. Electromagnetism switch valve
10. Water control switch
11. Water outlet
12. Water pump
13. Water connection from running water or tank

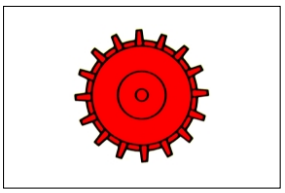
Icons



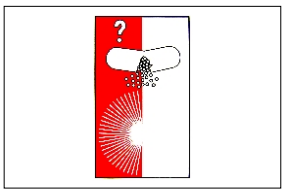
Main motor



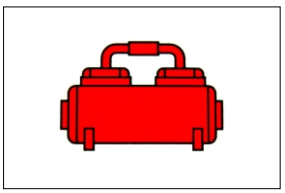
Motor safety switch off



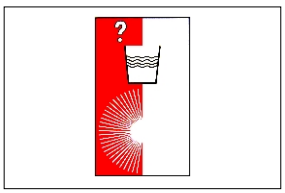
Drives star wheel



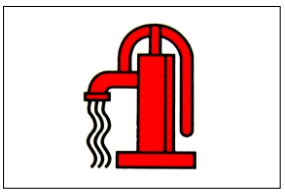
No material



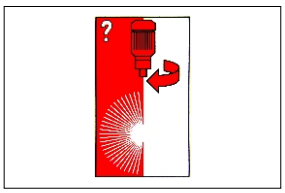
Compressor



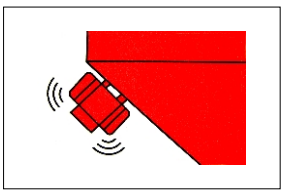
No water pressure



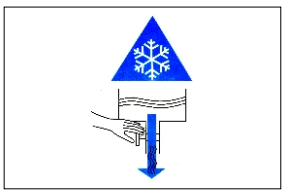
Water pump



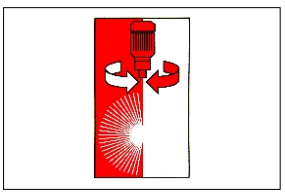
Periodic working



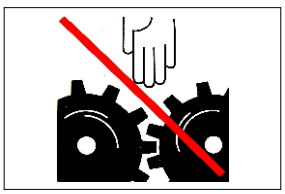
Vibrator



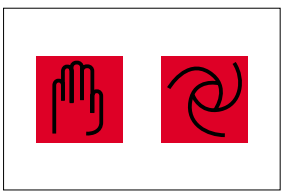
At Subzero Temperature
Empty All Water



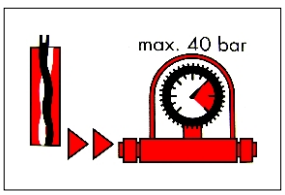
Direction of Rotation



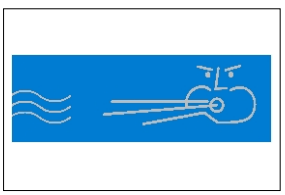
Do not insert hand into
operating machine



Manual Operation
Automatic Operation



Maximum operation
pressure 40 bar



Water Inlet-Outlet

Description of functions

DPN5 is a small-size dry-mixed mortar transfer pump, which is suitable for materials less than 3 mm, such as mortar that can be pumped, putty, paint, coating material and things alike. DPN5 can be your spraying machine if it is equipped with DP small-size air compressor, spray gun or relative accessories.

DP N5 is composed of many independent components. The volume and handy design facilitate the transportation of the machine.

Please assure the following correct connection when operating the machine:
1.Power supply socket of the machinePower supply waterproof plug.
2.Control BoxAir compressor
3.Air pipespraying gun
4.Material outletPressure gauge
5.Pressure gaugehigh pressure transfer pipe
6.transfer pipe

Basic safety instructions

The following terms and symbols are used in this manual to highlight important information.

NOTE!
Information for running the machine efficiently

WARNING!
Precautionary information for the prevention of accidents

WARNING!
The machine should only be operated in perfect working conditions. Comply with all safety instructions in this manual! Rectify all defects and faults immediately, proper machine operation includes full compliance with all operating instructions, carrying out specified inspections, and complying with maintenance instructions.

Basic safety instructions

Following information is the guidance of vital operation and security issues. Please read it thoroughly and carefully. Only correct operation can yield reliable and satisfactory result.

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 abnormal situation. Notify the people in charge of the inspection and repair immediately and you can use this machine only after it is repaired.
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 .
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. The machine should be reliably grounded.
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 specific fuses with prescribed amps.
12. Close the cover of control electric box when operating the machine.
13. Close and disconnect the machine from power supply 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 high-pressure hoses safely. Do not rest them sharp edges.
16. Depressurize all conveying systems before dismantling conveying hoses.
17. Only qualified operator can release the pressure of mortar hoses. 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 the following accessories if necessary: safety goggles, construction site boots, safety clothing, gloves , inhalation mask, skin safety cream.
19. Have the machine inspected at least once a year by a qualified person. The machine should also be inspected otherwise as required.

Setting up the machine

NOTE:
If a short break is necessary while working, transfer the main reversing switch to the other side and lit the machine and motor pump run oppositely until pressure dies away.

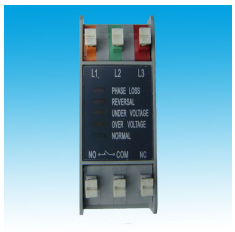
WARNING!
Make sure enough material in the hopper for pumping while working ,stop it while the material is lacked, or the motor pump will be permanently harmed.

WARNING!

Do not remove the material hopper's safety cover while working. The pump and hoses are needed to flush with water before pumping or spraying, then remove the water, lubricate its inside wall with small amount of lime water. Different materials have different requirement, PLS follow all instructions of mortar manufacturer.

Transient rest!
The rest/stop time of the machine depends on the feature of the material, the weather, etc. If the machine rests/stops too long (over fifteen or twenty minutes), PLS flush it with water to prevent clogging. Or set up the periodic work time, which depends on the material feature, weather, etc.

The mortar state maybe changed a little when you operate the machine after the transient rest, do not worry, it will be ok while working for a while.



- Phase Sequence control organ

- Air pump time delay organ
  (EW setting 3-5 s')

- Periodic work time relay (s.s. M.s)

  E.g.: pause 3m work 5s

- Control switch	machine on	machine off
Water	1.5bar	<1.5bar
Air	<3.0bar	1.5bar

- Safety air pump	machine on	machine off
Air pump	4.0bar	5.0bar

Pump core

The DP N5 is equipped with the D6-3Z mf pump core.
Rotor and Stator are wear and tear parts. Inspect them regularly!

Pressure
Rule of thumb
1.0bar dynamic pressure per meter (conveying hose 25mm): for gypsum plasters
0.2-0.3bar dynamic pressure per meter (conveying hose 35mm): for floors creed

The back pressure should be less than 40% of the conveying pressure.

Example:
30bar pumping pressure (with water) should result in approx. 12bar back pressure when the machine is switched off. In the case of gypsum plasters 18-26bar pressure should result in approx. 7-8bar back pressure when the machine is switched off.

WARNING!
Use of a mortar pressure gauge is mandatory in accordance with accident prevention regulations.
DP mortar pressure gauges monitor the mortar consistency efficiently and easily.
The mortar pressure gauge is delivered with the machine.
Some of its advantages:
-precise regulation of mortar consistency.
-stabilize pumping pressure.
-Early detection of clogging or overload of pump motor.
-display zero pressure.
-contributes to the safety of operating personnel.
-prolong the life of pump components.

DP **pump components**
New pump components with a conveying hose of 10m should attain a conveying pressure of approx.15-30bar respectively and maintain a back pressure of aprox. 8-12bar before and after the first spraying. Use the DP pressure tester with coupling and outlet tap to monitor back pressure.

While fitting or removing pump components, please see to it that the power supply is switch off during assembly.

NOTE:
-New pump core components require a period of operation time to display their correct working pressure.
-Pump components that neither attain the required conveying pressure nor maintain the required back pressure are worn out. Replace the immediately.

Pump core

While using adjustable pumps, see to it that:
-the main switch is switched off during assembly.
-use screws to fix the stator evenly.
-the pin{1}is between the clamping jaws so that the stator cannot move.
-all screws on the clamp are tightened evenly.
-Do not fix the screw too tightly and the ends and bottoms of the stator looks like a little bulging and be put in the central concave position. .
-a new stator and rotor require a period of time for operation to display the true working pressure of the pump core.
-pump core must maintain pumping pressure and back pressure

Checking the pumping pressure and back pressure
-connect a 10m conveying hose.
-connect the pressure gage and install the pressure testing gage at the end of hose.
-open valve of pressure testing gage.
-start the machine until water runs out from the valve of pressure testing gage.
-shut the valve.
-continue to run the pump core until the pressure no longer increases.
-switch off the machine.
-if there is no pressure you want, please replace for a maintenance-free pump core.
-if you can adjust the pump core, please tighten the screws or replace for a new pump core.
-check back pressure.
Maintain a back pressure of approx 14bar if you adopt D6-3Z rotor/ stator

NOTE:
Water can be used to predicate the applying pressure of the pumping mortar, which is of 5-10 bars.

Example:
The working pressure of 20 m hose (25mm) pumping gypsum mortar is approx 25-30bar.

If the screw thread is in a wrong place when rotor is inserted into the stator , a gurgling sound will occur and water will flow back into the mixing chamber..
Please continuously open and close the machine until the screw thread finds the proper place.

Pump core

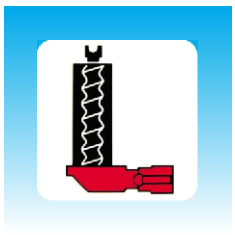
NOTE!

1.The operating pressure of D6 is 30 bar.
2.The maximum pumping distance depends on the viscosity of the mortar. Coarse grained heavy mortar does not flow easily whereas fluid mortars, filling compounds and floor screed flow easily.
3.Use thick mortar hoses if you exceed an operating pressure of 30bar.
4.To avoid machine breakdowns, do not use unqualified accessories. Please use authentic DP accessories.

- rotors
- stators
- mixing shafts
- high pressure mortar hoses
- clamps

All these components are compatible with each other and form a single construction unit. If you do not adhere to these recommendations, you stand to forfeit your warranty rights. The quality of the mortar you are producing will also suffer.

Operating and guidance



NOTE:

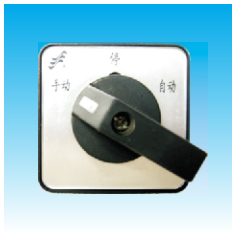
– While machine is working, water comes from water storage box or running water(the pump core must be operated when it is empty).

– The machine should only be connected to a qualified power supply box which has leakage breaking system and 32A breaking system. The power supply cable is 5 x 4.00mm.

five-cored cable, 3-phase 380V zero line and grounding line.

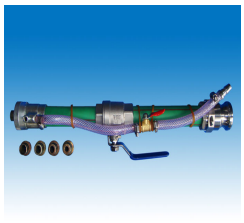
– Couple the mortar pressure gauge to the pressure flange.

– While working, first test it with water to make sure the machine is in normal condition.



– Manual operation button is not controlled by manual switch in the electric box .Remote switch. Air control switch.

– Set up the material periodic work and air pumping time delay system. Periodic time depends on the liquidity of the material and weather, etc. (m/s) (s/s)
E.g.: dry mortar 8m6s
During air pumping time delay process, manual or remove controls are effective, while air control is ineffective.



– High pressure gun

– Low pressure gun

Operating and guidance

1.test normal and reverse rotation
----shut down all manual drive-stop-automatic power switch
----put power on and test normal and reverse rotation. Switch to ---1----, if red light is on, that means reversal rotation and the phase is needed to be changed. Otherwise, means normal rotation.
2.Test hydraulic pressure and adjust water gage valve.
----turn the system switch on to test whether the hydraulic pressure is on normal level or not firstly. If the hydraulic pressure indicate light turns on, that means it lacks water or pressure is not enough and the machine will not work.
----press the water-test button (the pump must be started.) .Adjust the water gage valve to the required level.
----connect the valve's water-out end with the blender's water-in end. There are two water-in end , which one to be used is depended on the material.
----press the water-test button again until there is enough water in the blender which is about at the same level with the upper water-in end.
3.test the main motor pump-----drive star wheel----air pump
----Turn the main motor button to ---manual----, when the motor is working (empty rotation is forbidden) , water pours out.
----Turn drive star wheel to ---manual----, star wheel rotates clockwise. If in working order, the button will back to ---stop---.
----Turn air pumping button to ---manual----. If the working voice, shake, airflow are in working order, the button will back to ---stop----.
----when use air control or remote lineate control, turn the motor switch, star wheel switch and air pumping switch to ----automatic-----to see the starting or stopping of the machine is in working order. If the starting and closing system is normal, press ---stop----.
If in working order, turn down the system----stop----
4.Normal start-up
----put material into the powder box.
----connect the pressure controller.
---turn all switch to ----automatic------, turn water current switch to the humidity that is 20-30% of normal powder mortar. If it is first operation, turn the water current switch to the maximum value.
----The machine is in preparation state, press the green button to make the machine working. Test the humidity of the powder mortar at the material-out place. Adjusting current and taking care of water gauge buoy make the powder mortar to a suitable constriction standard. It will improve the mortar fluidity if put in 10% more water.
----Press down the red ----stop----button and machine is off power.
----connect air ducting from air exit to spray rod.
----connect all required mortar pipes, use water to make the mortar pipes moist. Put mortar pipes at relatively high place to let water run out from the ends. Do not maintain the water in pipes.
If not sure of the mortar quality, first rinse mortar piper with 3 kilo. lime mortar or grout, then start up the pump.

Operating and guidance

Notice:

----Make sure connect the throat-pipe right and there is no jam.
----connect the pressure tester and check whether the mortar-throat is tightened.
---press green switch to start the machine and then the spraying may start.
-----the first spray-out mortar may be little moisture. You can adjust the current of water gauge to get suitable mortar.
-----air control machine. Shut down of the spraying gun to stop the machine . conversely, start the switching system to start the machine.
-----when the project doesn't need air compressor (such as pumping ground mortar).And the machine can be controlled by remote lineate controller.

Mortar consistency and liquidity/Spraying guns and caps/ Interruption

Mortar consistency and liquidity

The consistency of the mortar is relating to the water mixed into the mortar. The mortar consistency is right when the material on the surface being sprayed flows into itself forming a consistent coat. Reduce the friction between mortar and the wall of the hose to increase the liquidity of the mortar. If water is not enough and agitation is uneven, there may be clogging in the hose. Pumping this kind of material need to increase the drive and will increase the wear and tear of accessories.

Spraying guns and caps

Use spraying caps of 10,12,14,16 order 18mm depending on the mortar consistency. Larger caps reduce the projection speed and the rebound effect. Smaller caps create better atomization. Note that the gap between the air nozzle tube and the spraying cap should correspond to the diameter of the spraying cap.

Hose clogging when spraying

When hose is clogged when spraying, you should follow mortar producers' operation instruction.

If the accident lasts a long time, you should clean pump core and machine. See procedures at The End of Work and Cleaning.

The cause of hose clogging is the liquidity of the mortar. The usual resolution is re-start the machine and do not adjust water quantity too much. After every slight adjustment of the water quantity, you should wait a moment until the mortar is stabilized, then you can make adjustment again.

Hose Blocks & Power Failure

NOTE!
In accordance with safety regulations, all personal who clean hose blocks should wear safety goggles and other protective clothes. Take proper precautions to stand far away from the machine to avoid injury through discharged mortar.

HOSE BLOCK!
-turn the main reversing switch to the other side ,and let the machine and mortar pump run at opposite direction until pressure dies away.
-cover outlet of pump tube and material outlet with strengthened fabric or similar materials.
-loosen nuts of the screw thread in the pump core slowly to release residual pressure.
-remove all hose connections.
-clean the hose.

You can use the following method to clean the mortar in the hose:
-put a water pipe into the hose, and water the mortar out.
-if the mortar is so dry that it can't be cleaned completely, you can try to push it out with a metal stick. PLS take care, do not destroy the inwall, even a small damage may cause an accident, if the inwall of the pipe is destroyed, please change the hose.

Measures for power failure!
-clean mortar hoses immediately while the power is failure during operation, if you not do that ,the mortar will have chance to block in the hose for ever. You can use proper joint to connect water sources program to the end of mortar pipe and use water to push mortar out of the pipe.

Get pump core out of the machine, twist rotor out of the stator and then use water to clean the rotor and stator. Reassemble the stator and rotor and re-install them on the machine.

WARNING!
Before dismantling any part of the hose, make sure the pump and hoses are depressurized, turn the main reversing switch to other side, and let the machine and mortar pump run oppositely until pressure dies away.

Procedures at the end of work and clean / transport / maintenance

-When you want to stop operating, first turn off the star wheel switch to stop deliver materials.
-adjust the water switch to proper position until water runs out.
-operate the machine at opposite direction to release the pressure of the hose.
-make sure the hoses are depressurized.
-turn off the machine and plug out the power supply cable.
-dismantle and clean the hoes (including the mortar pressure gauge), make sure the inwall of the hose is cleaned up.
-clean the spraying gun with running water.

NOTE!
You should clean the machine with water, sponge and brush to prolong the life of the machine.
Do not clean it with high pressure water or vapor, which will permeate into bearings, electric box, socket or other parts.
Clean the material hopper with water.
Open the material hopper and remove all dirty water.
-clean the mortar pump with water.
-clean the material outlet with water.

Maintenance!
PLS check the amount of oil in the air pump, retard box from time to time. You can see how much oil left from display window, 1/2 high at least is suggested. Fill oil if it is necessary. You can use 32# oil.

Transport!
Fix the machine to the goods holding while transporting.
N5 consists of three components which can be transported individually.

Check list

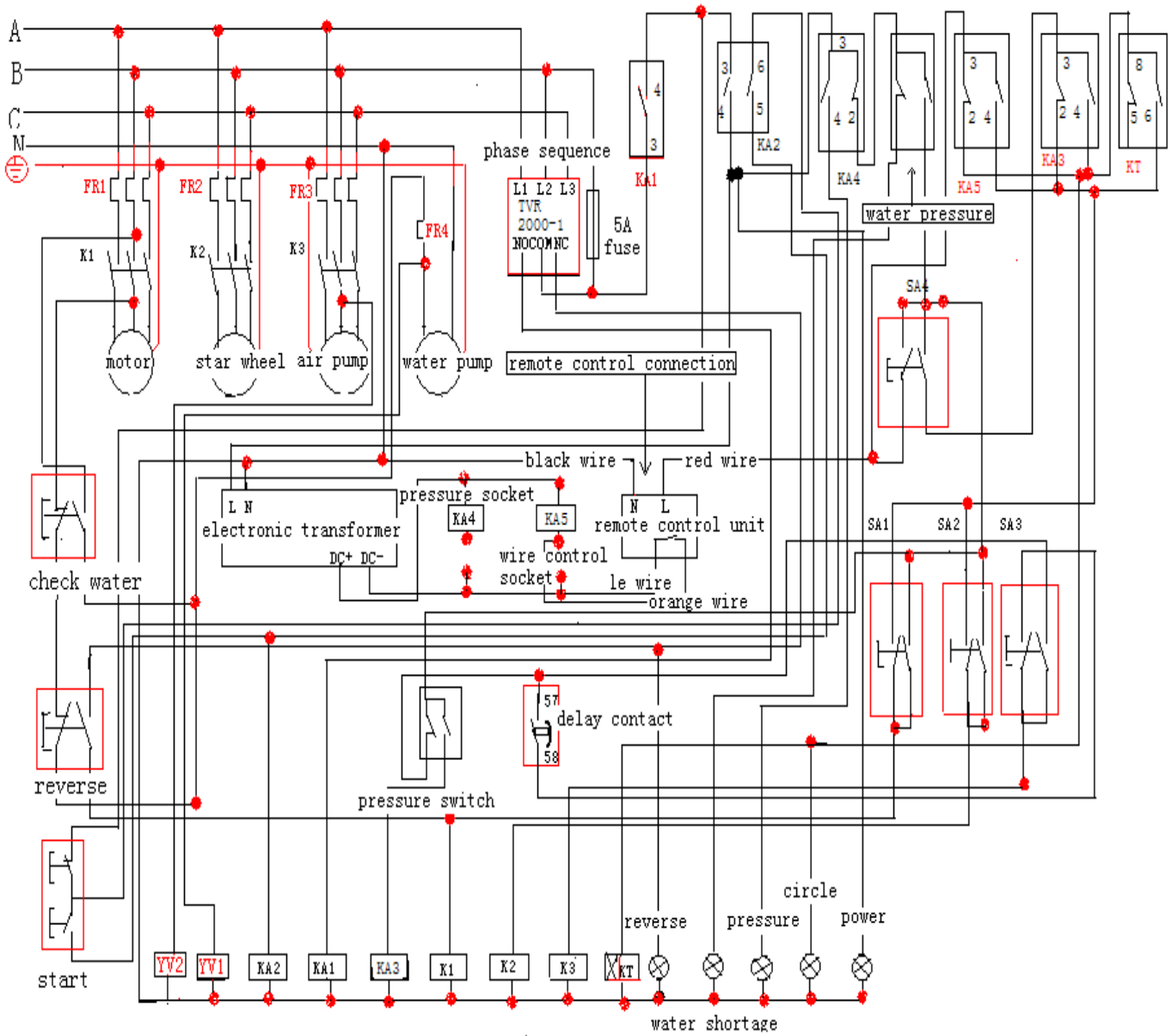
How can you avoid or rectify problems with the DP N5?

FAULT	CAUSE	SOLUTION
Machine does not start!	Water Water pressure too low Gauge shows less than 2.2bar	check water supply clean dirt filters switch on water pump
Machine does not start!	Power Power supply okay? F1 safety switch activated? Mains on? Display lamp lights up? Motor safety switch activated? Self-latching device not activated? Protector faulty? Fuses faulty? Water safety switch not adjusted? Pump blocked?	
Machine does not start! Machine does not start!	Air -insufficient pressure gradient in due to blocked air pipe or air nozzle tube? -air safety switch not adjusted? -Compressor connected and Switched on?	Rectify faults. Clean blocked air pipe or air nozzle tube. Rectify faults.
Machine does not start! (flow meter mot working)	Material -too much thick material in hopper Or mixing zone? -material in pumping zone too dry?	-Rectify faults. Empty hoper by half and start up again. CAUTION! Switch off mains and remove plug.
Water does not flow! (flow meter not working)	-Solenoid valve: Hole in membrane blocked? -Magnetic coil faulty? -Pressure reducing valve shut? -Water inlet on pump tube blocked? -Needle valve shut? -Cable to solenoid valve faulty?	Rectify faults.
Pump motor does not start!	-Pump motor faulty? -Connection cable faulty? -Plug or fitted socket faulty? -Motor safety switches faulty or off?	Rectify faults
Machine stops after short run!	-Dirt filter clogged? -Pressure reducer filter dirty? -Hose connection or water pipe too small? -Water suction pipe too weak or too long?	Clean or replace filters. Increase' size of water connection. Connect additional water pressure Booster pump.
Machine does not switch off!	-Air pressure safety switch not adjusted or faulty? -Air hose faulty or gasket faulty? -Air tap on spraying gun faulty? -Compressor not powerful enough? -Air pipe on compressor not connected?	Adjust air pressure safety switch.. Rejplace air hose or check compressor

Check list

FAULT	CAUSE	SOLUTION
Mortar flow stops! (air bubbles)	-Poor mixture in mixing tube? -Mixing shaft faulty?	Add water. When this does not help, clean or replace mixing shaft.
	-Motor hauling bracket faulty? -Input hopper on mixing tube wet? -Material is lumpy and clogging mixing tube inlet?	Dry mixing tube inlet and start again Replace hauling bracket.
Mortar flow inconsistent! “thick/thin”	-Too little water? -water safety switch not adjusted or faulty? -Mixing shaft faulty, not an original EW mixing shaft? -Pressure reducing valve not adjusted or faulty? -Rotor worn out, faulty? -Stator worn out or clamp faulty? -Clamp faulty(oval)? -Inner side of mortar hose faulty? -Rotor too deep in pressure flange? -not original EW parts?	If too little water, increase water quantity by 10% for approx. half a minute. Return slowly to normal setting. Readjust or replace pump components with original parts. Replace mortar hose Check mixing shaft and hauling bracket.
Water rises in mixing tube during operation! Fault lamp lights up!	-Back pressure in mortar hose higher than pump pressure? -Rotor or stator worn out? -Hose blocked by too thick mortar? (high pressure caused by too little warter)? -overloading? -Motor safety switch (Q7) activated (pump motor)? -pump blocked with dry material? -Insufficient water? -Motor safety switch (Q6) activated (star wheel motor)? -Clogged material in hopper? -Motor safety switch activated?	 Tighten or replace stator;if necessary also replace rotor. Clear hose block. Turn on safety switch, clean mixing tube and increase water supply when restarting machine. Clean hopper and star wheel.
Red lamp lights up! “direction of rotation”	-Power cable too thin 5*4mm2? -Power connection too long 50m cable? -1 phase missing? -Voltage too low? -Wrong direction of rotation?	Use 5x4 or 4x4 mm power supply cable Use 4x4 mm power supply cable, do not use 220v Power supply Change direction of rotational Reversing switch.

Circuit Diagram

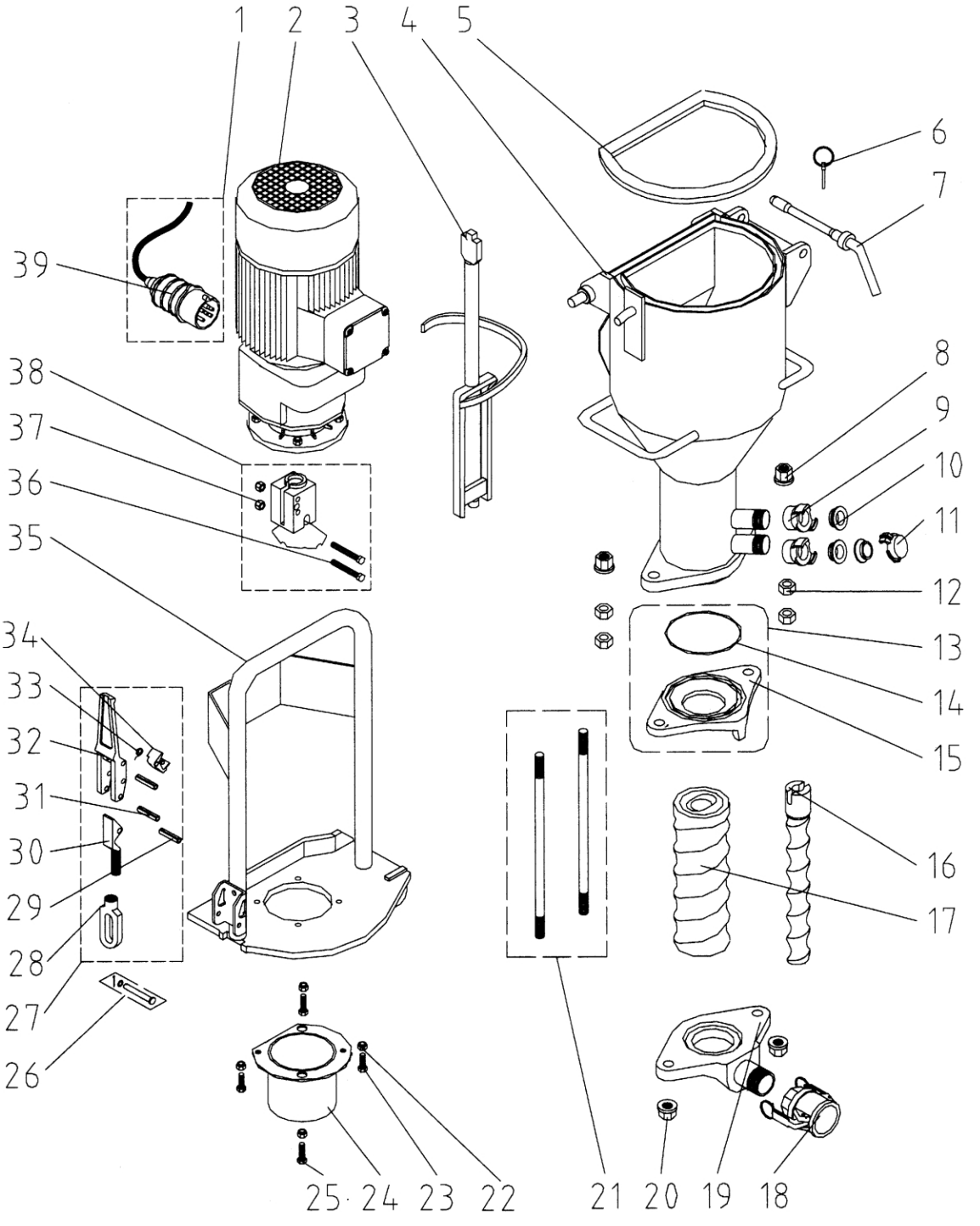


1	2	3	4	5	6	7	8	9	10	11	12
■			■				L1	N	L1	N	
water pressure sensor			pressure switch				water pymp		solenoid valve for water		

1	2	3	4
L1	L2	L3	N
solenoid valve for steam			air pump

K3.2510connection;K2.1210connection;FR1.9-14Abraker;FR2.2.5-4Abraker;FR3.6-10Abraker;FR4.4Nmonolithic switch; YV1.solenoid valve for water;KA1.power supply relay220V;KA2.control relay220V;KA4.pressure relay 24V;KA5.wire control relay 24V;KA3.air pressure relay 220V;KT.time relay;SA1.motor option switch;SA2.sub mortor option switch;SA3.air pump option switch;SA4.wire air control option switch;YV2.solenoid valve for steam;

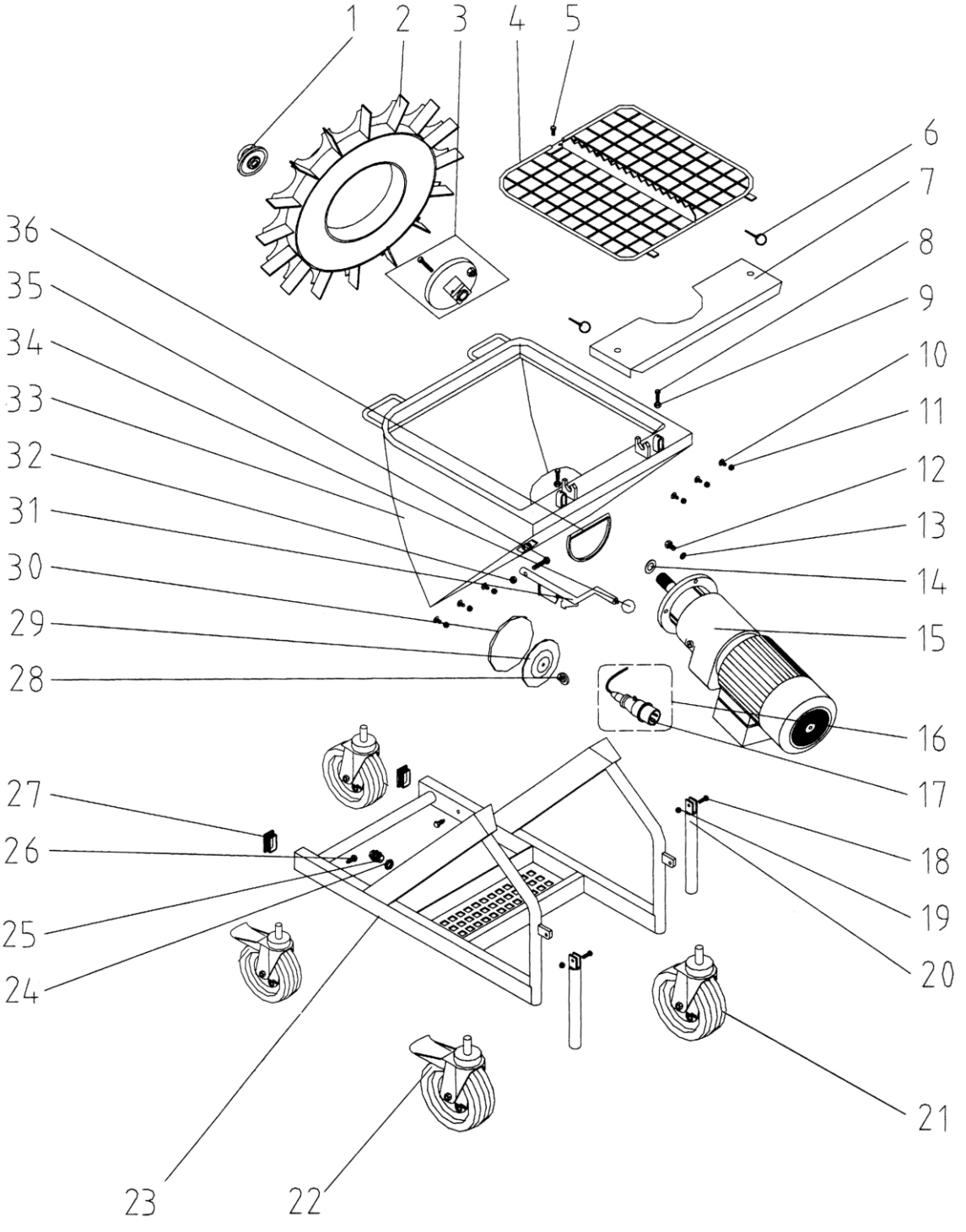
Product Assembly Diagram



Product Assembly Diagram

Serial No.	Quantity	Code	Description
1	1	00 00 83 63	Wire 2-3m
2	1	00 00 25 49	Electric machine 4.00 kw 400 rpm
3	1	20 10 35 10	Stirrer
4	1	20 10 06 50	Pressure wheel
5	1	20 10 09 00	Rubber 420×15×750 N5
6	1	20 10 10 10	Quick release pin D 4.5
7	1	20 10 12 02	Pin
8	2	20 20 99 21	Nut M16
9	2	20 20 11 00	Water pipe connector
10	3	20 20 17 00	Seal ring
11	1	20 20 16 50	Water pipe connector
12	4	20 20 99 20	Nut M16
13	1	20 10 42 15	Linker
14	1	20 10 42 30	Seal ring D117×5
15	1	20 10 42 14	Linker
16	1	20 11 30 00	Rotor D6-3
17	1	00 00 78 99	Stator D6-3
18	1	20 20 07 90	Quick connector
19	2	20 11 88 10	Linker
20	2	20 20 99 21	Nut M16
21	1	20 11 87 80	Fixing screw M16×360
22	4	20 20 72 00	Nut M8
23	2	20 20 78 00	Screw M8×30
24	1	20 10 29 01	Protection cover N5
25	2	20 20 78 01	Screw M8×35
26	1	20 20 85 22	Fix pin 8H11×5854
27	1	20 10 08 01	Tightening machine
28	1	20 20 99 71	Tightening nut M14×1.5
29	1	20 54 76 02	Fixing pin 5×36
30	1	20 20 99 74	Tightening screw
31	2	20 20 85 19	Fixing pin 8×40
32	1	20 10 08 03	Wrench
33	1	20 10 08 04	Spring
34	1	20 10 08 02	Safety lock
35	1	00 00 82 38	Pressure wheel cover
36	2	20 20 77 00	Screw M8×60
37	2	20 20 72 00	Nut M8
38	1	20 10 29 10	Connector
39	1	20 42 88 00	Plug 4×16A

Product Assembly Diagram



Product Assembly Diagram

Serial No.	Quantity	Code	Description
1	1	20 10 17 10	Gland nut M24
2	1	00 00 10 29	Starwheel N5
3	1	20 10 18 10	Gland base
4	1	00 00 73 61	Safety net N5
5	1	20 20 61 00	Fixing screw net
6	1	20 10 10 10	Quick release pin D4.5
7	1	00 00 11 31	Gland cover N5
8	2	20 20 78 10	Screw M8×16
9	2	20 20 64 00	Pad M8
10	6	20 20 63 14	Screw M8×16
11	6	20 20 72 00	Pad M8
12	4	20 20 99 61	Screw M12×20
13	4	20 20 91 10	Pad B12
14	1	20 10 15 02	Flat pad 1.5
15	1	20 13 70 00	Electric machine 0.75kw 28 rpm
16	1	00 00 83 61	Plug 4×16A 7h
17	1	20 42 87 00	Copper head 4×16A 7h
18	2	20 20 78 00	Screw M8×30
19	2	20 20 72 00	Screw M8
20	2	20 56 66 15	Handle 250mm
21	2	00 00 69 47	Wheel
22	2	00 00 82 65	Brake wheel
23	1	00 00 82 34	Machine frame N5
24	1	20 43 09 44	Flat pad M10
25	1	20 43 09 30	Screw M10×20
26	2	00 00 81 38	Screw M10×25
27	2	00 00 83 58	Seal
28	1	20 20 79 50	Pressing screw M10
29	1	00 00 82 35	Pressing plate N5
30	1	00 00 23 58	Rubber N5
31	1	00 00 25 84	Pressing machine
32	1	20 20 72 10	Nut M10
33	1	00 00 82 36	Hopper
34	1	20 70 61 10	Plastic ball
35	1	20 20 96 01	Screw M10×45
36	1	20 10 11 02	Material inlet