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**SELLEYS PLASTCOAT PC9X
WITH AIR COMPRESSOR**

OPERATING MANUAL

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1. SAFETY INFORMATION

Please read the following important information carefully.

The following symbols indicate specific types of safety hazards.



Indicates a potential hazard that may cause **serious injury to the operator or loss of life.**



Indicates a potential hazard that may cause **minor injury to the operator or to the equipment.**



Indicates **important information.**



WARNING

This unit is capable of extremely high spraying pressures that can cause serious and/or minor injury by injection and extensive damage to property.



IMPORTANT

All replacement parts and accessories should **ONLY** be purchased from SELLEYS or an authorised distributor of SELLEYS equipment. Servicing should **ONLY** be carried out by SELLEYS or an authorised distributor of SELLEYS equipment. If these conditions are not met, the operator assumes all liability for injury and property damage arising from the use of this unit.

1.1 GENERAL SAFETY PRECAUTIONS

✗ NEVER

- use the spray gun without the safety guard in place
- operate faulty units or use faulty accessories
- attempt to repair a damaged hose
- leave this equipment unattended
- move the unit when it is running
- spray outside on windy days

✓ ALWAYS

- ensure that this unit is properly earthed
- ensure that the power cord, air hose and spray hoses are optimally routed to minimise slip, trip and fall hazards
- immediately and thoroughly clean up all material and solvent spills to prevent slip hazards
- follow the material manufacturer's instructions for safe handling of coating materials
- unplug the cord from the outlet before cleaning, maintaining or repairing this unit
- keep the power cord plug in sight during use to prevent accidental shutdowns and startups
- wear ear protection to protect against possible hearing loss from the noise produced by this unit, which can exceed 85 dB(A)
- keep this unit out of reach of children, unqualified adults and animals
- comply with local codes regarding ventilation, fire prevention, and operation

1.2 SPECIFIC SAFETY HAZARDS AND PRECAUTIONS

SAFETY PRECAUTIONS TO PREVENT INJECTION INJURY



WARNING

Serious risk of injection injury. This equipment produces a high-pressure stream that can pierce the skin and subcutaneous tissues, resulting in severe injury and even possible amputation.



IMPORTANT

The maximum operating range of the unit is 50 bar (725 PSI) fluid pressure.

✗ NEVER

- put your fingers, hands or any other parts of your body into the spray jet
- point the spray gun at yourself or anyone else (including animals)
- allow the fluid stream to come into contact with any part of your body
- allow any leak in the fluid hose to come into contact with any part of your body
- put your hand in front of the gun

NOTE: Gloves do not provide full protection against injection injury.

- use a spray gun without both a working trigger lock and trigger guard in place

✓ ALWAYS

- ensure that the gun trigger is locked, the fluid pump is shut off, and all pressure is released before servicing, cleaning the nozzle holder, changing spray tip, or leaving the unit unattended

NOTE: Turning off the engine will not release the pressure. The PRIME/SPRAY valve or pressure bleed valve must be turned to their appropriate positions to relieve system pressure.

- ensure that the nozzle holder remains in place during spraying
- remove the spray tip before flushing or cleaning the system
- carefully check the paint hose for leaks before each use, as even small leaks can cause injection injury
- ensure that all accessories, including but not limited to spray tips, guns, extensions and hose, are rated at or above the maximum operating pressure range of the sprayer



IMPORTANT MEDICAL INFORMATION

Injection injury is a traumatic injury that requires immediate medical attention. Any laceration of the skin, no matter how minor it seems, should not be treated as a simple cut. Fully inform the medical team about the coatings or solvents involved, as some coatings are toxic when injected directly into the bloodstream. For serious injuries, a plastic surgeon or reconstructive hand surgeon should be consulted.

SAFETY PRECAUTIONS TO PREVENT EXPLOSIONS AND FIRE



WARNING

This equipment produces a high-pressure stream that can pierce the skin and subcutaneous tissues, resulting in severe injury and even possible amputation.

✗ NEVER

- use plastic drop cloths or enclose the spray area with plastic sheets, as plastic can cause static sparks
- smoke in the spray area
- use any materials with a flashpoint lower than 21 °C (70 °F)

NOTE: Flashpoint is the temperature at which a fluid can produce sufficient vapours to ignite.

✓ ALWAYS

- ensure that the spray area is well-ventilated to prevent the build-up of flammable vapours
- avoid all ignition sources such as static electricity sparks, electrical appliances, flames, pilot lights, hot objects, and sparks from connecting and disconnecting power cords and/or working light switches
- flush the unit into a separate metal container, at the lowest possible pump pressure and with the spray tip removed
- hold the gun firmly against the side of the container to prevent static sparks
- have a fire extinguisher nearby
- place the sprayer at a minimum of 6.1 metres (20 feet) from the surface to be sprayed, extending the hose if necessary. Since flammable vapours are often heavier than air, the floor area must be well ventilated. The pump contains arcing parts that emit sparks, which can ignite vapours.
- ensure that the equipment and objects in and around the spray area are properly grounded to prevent static sparks
- ensure that you are using a conductive or earthed high pressure hose
- ensure that the gun is earthed through the hose connection
- ensure that the power cord is connected to a grounded circuit
- ensure that the unit is connected to an earthed object such as a water pipe, steel beam, or other electrically earthed surface, via the green earthing wire
- strictly follow the material and solvent manufacturer's warnings and instructions, and read the coating material's MSDS (Material Safety Data Sheet) and technical information before use

SAFETY PRECAUTIONS TO PREVENT EXPLOSIONS DUE TO INCOMPATIBLE MATERIALS



WARNING

Serious risk of explosions due to incompatible materials. Accidental explosions due to incompatible materials can cause serious injury and/or extensive damage to property.

✗ NEVER

- use materials that contain bleach or chlorine
- use halogenated hydrocarbon solvents such as methylene chloride and 1,1,1-trichloroethane

NOTE: These substances are not compatible with aluminium and may cause an explosion. If you are in any doubt over a material's compatibility with aluminium, check with your coating supplier.

SAFETY PRECAUTIONS TO PREVENT HARM FROM TOXIC VAPOURS



WARNING

Vapours from paints, solvents, insecticides, and other materials can be harmful in the event of inhalation or contact with any part of the body. Symptoms include severe nausea, fainting and poisoning.

✓ ALWAYS

- use a respirator or mask
- wear protective eyewear
- wear protective clothing

SAFETY PRECAUTIONS TO PREVENT HARM FROM MOVING PARTS



WARNING

Moving parts can pinch, cut or amputate fingers and other body parts. Furthermore, equipment can start without warning.

✓ ALWAYS

- keep clear of moving parts
- follow the **Pressure Relief Procedure** and disconnect all power sources before checking, moving or servicing the equipment

✗ NEVER

- operate equipment with protective guards or covers removed

1.3 EARTHING INSTRUCTIONS

✗ NEVER

- operate this unit unless you are sure that it has been properly earthed
- modify the earthing plug
- use a 3-to-2 adapter with this equipment

✓ ALWAYS

- ensure that the earthing plug is plugged into an outlet that has been properly installed and earthed in accordance with local codes
- seek the advice of a qualified electrician if you need a new outlet installed to fit the earthing plug, do not fully understand these earthing instructions, or are unsure as to whether this unit is properly earthed
- if required, use only a 3-wire extension cord with a grounding plug and a grounding receptacle that accepts the plug on this equipment, and a minimum AWG (2.5 mm²) to carry the current that this equipment draws

Conductor Size		Length
AWG (American Wire Gauge)	Metric	Maximum
1 ²	2.5 mm ²	15 m (50 ft)



WARNING

Incorrect installation of the earthing plug can result in electric shock. If you need to repair or replace the cord or plug, do not connect the green earthing wire to either blade terminal.



IMPORTANT

The wire with insulation, which has a green outer surface with or without yellow stripes, is the earthing wire. It must be connected to the earthing pin.

Use of an undersized cord causes a drop in line voltage, loss of power and overheating.

A list of the materials used in the construction of this unit is available upon request for the purpose of determining compatibility with coating materials.

2. MATERIALS

Read the following important information carefully.

2.1 MATERIALS SUITABLE FOR USE

This unit is suitable for use with the following coatings: real paint, sand in water, caulking plaster, latex paint, levelling wine slurry, bonding mortar, silicon mud coating, waterproofing and other materials.



IMPORTANT

The use of materials other than those stated above may lead to damage of parts and a shortened service life of the machine. If in doubt as to a material's suitability for use, please consult an authorised SELLEYS distributor.

2.2 MATERIALS NOT SUITABLE FOR USE



IMPORTANT

Never use this unit for spraying oily materials. If you need to spray oily materials, please contact an authorised SELLEYS distributor for further advice.

2.3 SPRAY REAL STONE PAINT WITH CAUTION



WARNING

For the avoidance of serious and minor injuries to bystanders, please familiarise yourself with the operating instructions and switching steps for real stone paint.

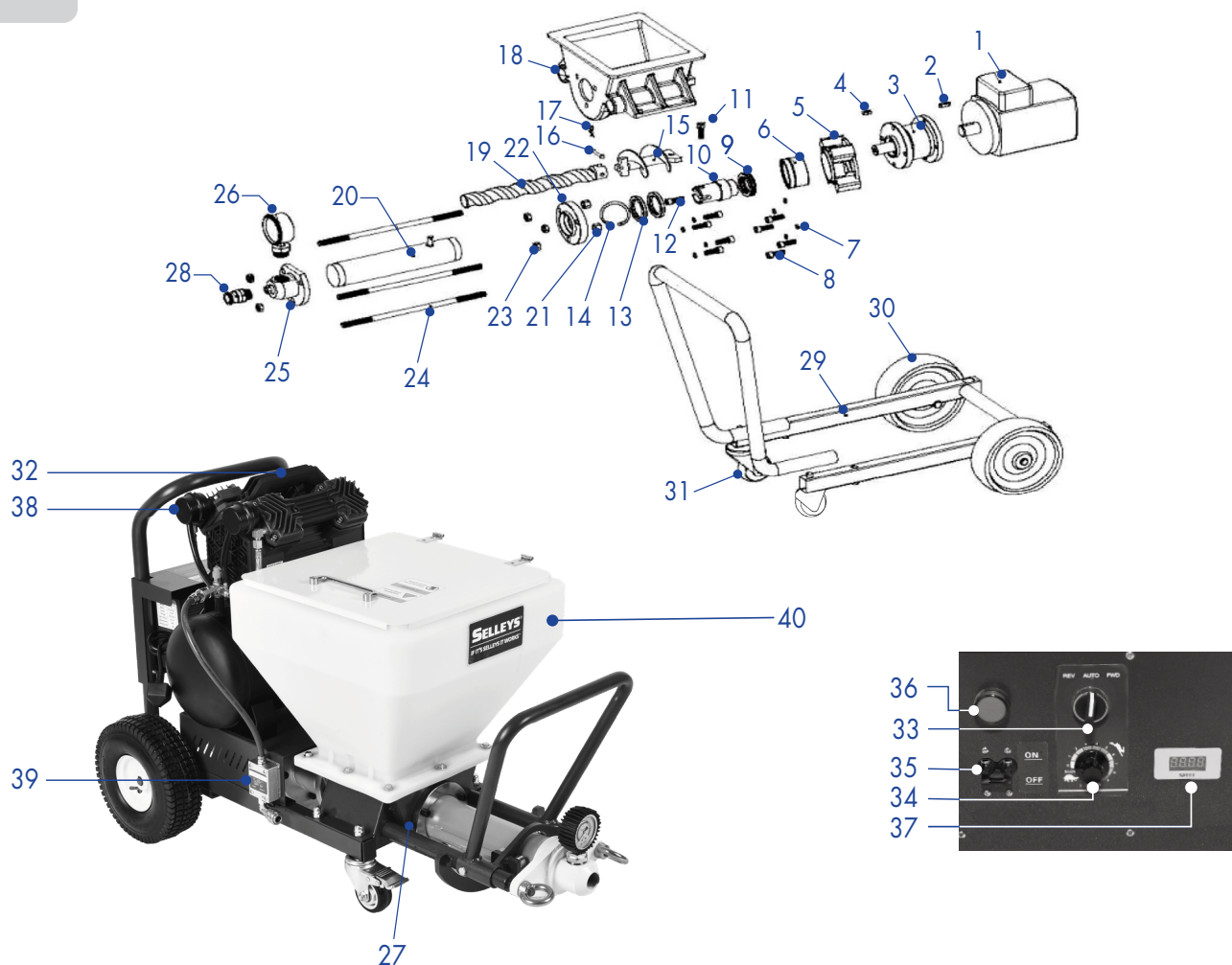
3. EQUIPMENT

Please read the following important information carefully.

3.1 TECHNICAL DATA

Dimensions (L x W x H)	1120 x 570 x 820 mm
Weight	90 kg
Motor output	4 kW
Flow rate	30 L/min
Max. operating pressure	50 bar
Max. spray height	30 m

3.2 MAIN COMPONENTS



NO.	NAME	QUANTITY
1	Motor	1
2	Motor key pin	1
3	Reducer	1
4	Gearbox key pin	1
5	Gearbox connecting flange	1
6	Output bushing	1
7	M10 spring pad	8
8	Gearbox connecting flange screw	8
9	Plane bearing	1
10	Output shaft	1
11	Cage screw	1
12	Output shaft screw	1
13	Oil seal	2
14	Oil seal cartridge	1
15	Auger	1
16	Flat head pin	1
17	R cotter pin	1
18	Hopper inlet	1
19	Screw	1
20	Rubber sleeve	1

NO.	NAME	QUANTITY
21	Flange nut	2
22	Rubber sleeve rear flange	1
23	Screw nut	3
24	Rubber sleeve nut	3
25	Rubber sleeve front fixing flange	1
26	Pressure gauge assembly	1
27	Drain	1
28	Screw	1
29	Trolley frame	2
30	Rear wheel	2
31	Front wheel	1
32	Control panel	1
33	Three-position switch	1
34	Potentiometer	1
35	ON/OFF switch	1
36	Power indicator	1
37	Speed indicator	1
38	Water separator	1
39	Remote controller	1
40	Hopper	1

4. OPERATING INSTRUCTIONS

Please read the following important information carefully.

4.1 CHECKING FOR AIR LEAKAGE



IMPORTANT

Connect the air pressure regulating valve (Figure 1) to check for air leakage at the connection part of the air hose.

NOTE: Since this machine is controlled by pneumatic induction, air leakage will affect the sensitivity of the switch.

4.2 PRIOR TO STARTING UP

1. Pour the mixed material into the hopper (Figure 2)
2. Start the machine and wait for the material to flow out from the other end of the high-pressure pipe

NOTE: Remove the nozzle before commencing these steps to prevent the nozzle from being blocked by remaining old material in the material tube.

Figure 1

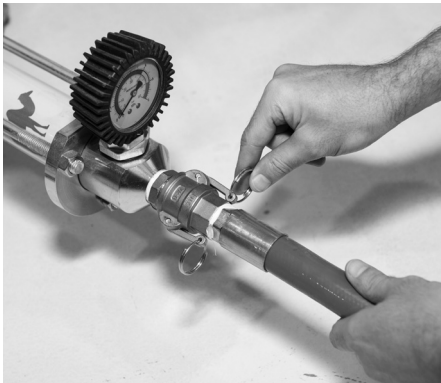


Figure 2



4.3 STARTING UP

1. Turn on the power switch (ON/OFF switch) (Figure 3) and ensure that the three-position switch is set to AUTOMATIC (Figure 4)
2. Slowly adjust the potentiometer switch clockwise (Figure 5)
3. Confirm the material pipe and connection parts are in good condition and ensure that there is no leakage
4. Pour in material (mixed in strict accordance with the manufacturer's instructions)



IMPORTANT

When in use, the speed should not be too fast, and the corresponding nozzle output should be sufficient for normal use. Failure to follow these instructions may reduce the service life of the rubber sleeve screw.

Figure 3



Figure 4



Figure 5



4.4 MATERIAL FEEDING PROCESS

Before filling the hopper with the standard consistency of the material to be sprayed, follow these steps.

1. Pour out approx. 20 litres of the mixed material to be sprayed, add approx. 5 litres of clean water, stir, and pour it into the hopper
2. Discharge this diluted material from the other end of the spray gun

NOTE: Remember to remove the nozzle before filling the hopper to prevent residual old material in the material pipe from clogging the nozzle.



IMPORTANT

This material feeding process must be performed to lubricate the pipe wall before the standard material to be sprayed is poured in.

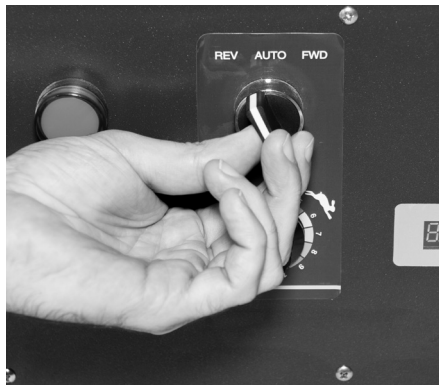
5. SHUTTING DOWN AND CLEANING

Please read the following important information carefully.

5.1 SHUTTING DOWN

1. Turn off the air source from the spray gun
2. Repeatedly pull the trigger to release the pressure in the hose
3. Turn the three-position switch to "REV" (Figure 6), wait for the rotor-stator to reverse for about 1 - 5 minutes, and confirm that there is no air in the machine before removing the spray gun

Figure 6



5.2 CLEANING

FOR USE ON CONSECUTIVE DAYS

After spraying, if you intend to resume spraying tomorrow, the unit does not need to be cleaned. Simply remove the pressure, immerse the spray gun in water, fill the hopper with water, and cover the remaining mixed material to prevent it from drying out.

BEFORE USE AND/OR WHEN CHANGING MATERIALS

When using, pour clean water into the hopper to flush the residual paint and water pressure in the unit out of the tube. When clean water is flowing out, fold down the tube connecting the machine, put the special cleaning ball into the tube and re-fasten it (Figure 7). Then turn it on and wait until the cleaning ball is discharged from the other end of the tube.

Figure 7



6. MALFUNCTIONS

Refer to the chart below for instructions on how to correct common malfunctions.

TYPE OF MALFUNCTION	POSSIBLE CAUSES	CORRECTIVE MEASURES
A. The red working light is on and the machine is not running	<ol style="list-style-type: none"> 1. The automatic switch is not turned on 2. The speed control knob stops at the 0-3 position 3. The pneumatic sensor is blocked and the magnetic core is not returned 4. The circuit board connection is loose or damaged 5. The motor is damaged, the motor and the gear are stuck 	<ol style="list-style-type: none"> 1. Turn the switch to AUTOMATIC 2. Adjust the knob to the corresponding position 3. Clean the inside of the sensor 4. Check the circuit board for damage and replace if necessary 5. Replace the motor or gear and add lubricant
B. The motor works but barely spins	<ol style="list-style-type: none"> 1. The connection between the motor and the gearbox has fallen off or is stuck 2. The output wire of the control box may not be in good contact with the motor wire 3. The rubber sleeve is stuck after it has not been used for a long time or is dried out 	<ol style="list-style-type: none"> 1. Check whether the motor pin is falling off and/or whether the gearbox is stuck 2. Check to see if the wire card is loose 3. Remove and clean the rubber sleeve, add detergent or petroleum jelly, then reinstall it; or replace the rubber sleeve
C. Paint suddenly stops flowing while sprayer is in use	<ol style="list-style-type: none"> 1. The nozzle is clogged due to impurities in the paint, or excessive particle size of the paint, i.e. nozzle is too small 2. Paint is clogged inside the mortar hose, which may not have been pre-lubricated 	<ol style="list-style-type: none"> 1. Stop the mortar sprayer, turn off the material switch on the gun, remove the texture nozzle, clean the air duct of the nozzle and change the air volume setting 2. Clean the mortar and the bottom of the coater, refill the hopper and use the pump to circulate the paint until the bubbles in the paint subside <p>NOTE: Always top up the hopper with sufficient material. Running the pump dry may cause overheating and clogging.</p>
D. The pressure on the pressure gauge rises above 40 bar	<ol style="list-style-type: none"> 1. Paint viscosity is too high 2. Mortar hose diameter is too small 3. Mortar hose is too long 4. Paint is jammed in mortar hose, which may not have been pre-lubricated 	<ol style="list-style-type: none"> 1. Dilute paint 2. Use a larger diameter mortar hose 3. Use a shorter mortar hose 4. Decrease mortar hose pressure: <ul style="list-style-type: none"> • Set selector switch to 90 pressure • Repump paint back into release hopper • Disconnect the mortar hose and rinse with water • After the blockage is removed, reconnect the mortar hose
E. Not enough paint is being pumped by the post-mortar coater	<ol style="list-style-type: none"> 1. Delivery volume selected is too low 2. Mortar hose diameter is too small 3. The screw sleeve is worn 4. The nozzle is too small and the gun hole is blocked 	<ol style="list-style-type: none"> 1. Increase the delivery volume 2. Use a larger diameter hose 3. Replace screw sleeve 4. Remove, clean and reattach nozzle, then increase the orifice size

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