

GB

D

F

Operating manual

Betriebsanleitung.....p. 22

Mode d'emploi.....p. 44



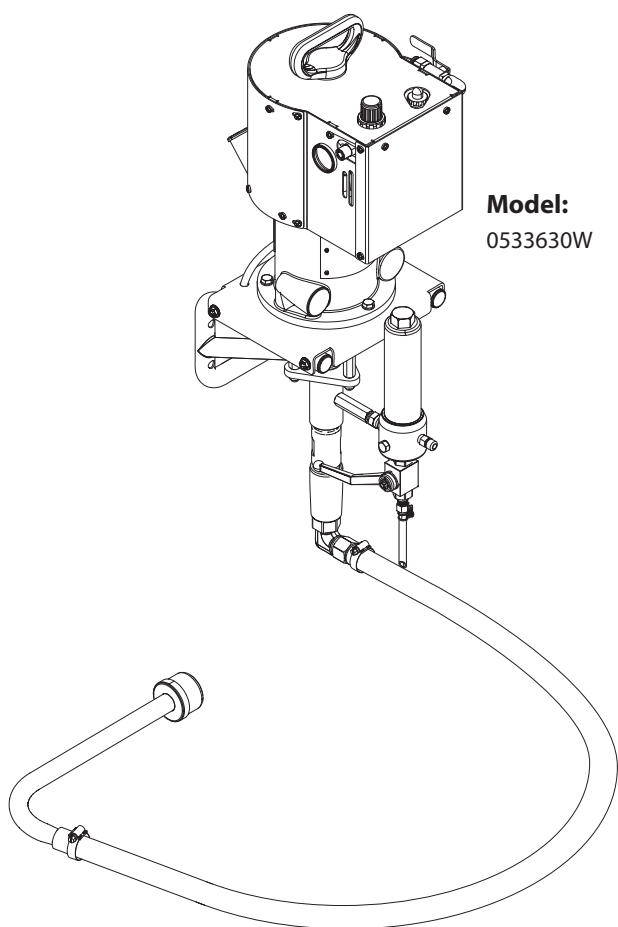
Advanced Performance. Total Reliability.

PowerCoat 630

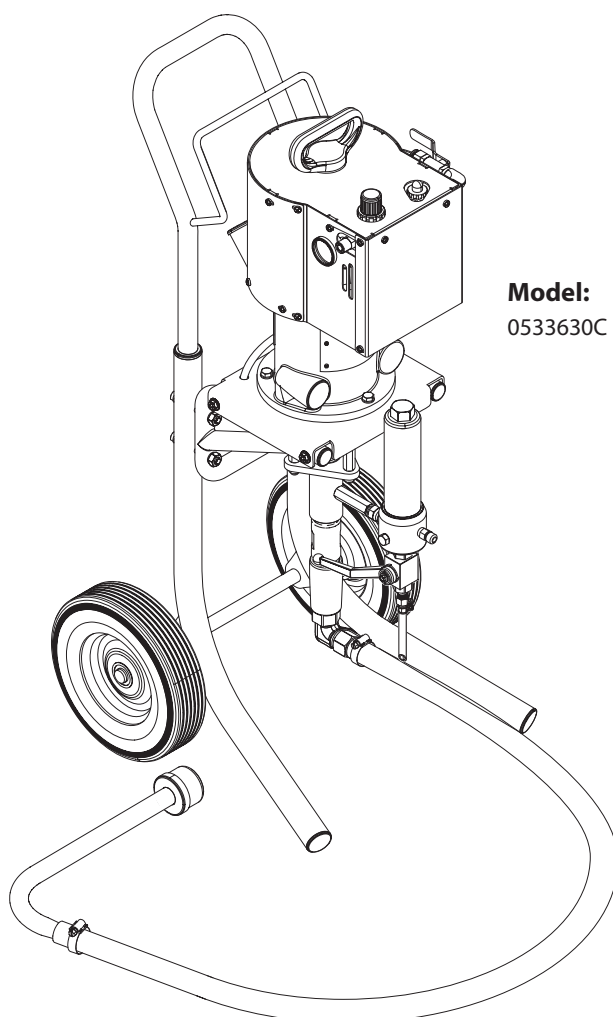
Air Powered Airless Sprayer

Mit Druckluft betriebenes Airless-Spritzgerät

Pulvérisateur sans air pneumatique



Model:
0533630W



Model:
0533630C

Warning!

Attention: Danger of injury by injection!
Airless units develop extremely high spraying pressures.

**1**

Never put your fingers, hands or any other parts of the body into the spray jet!

Never point the spray gun at yourself, other persons or animals.

Never use the spray gun without safety guard.

Do not treat a spraying injury as a harmless cut. In case of injury to the skin through coating materials or solvents, consult a doctor immediately for quick and expert treatment. Inform the doctor about the coating material or solvent used.

2

The operating instructions state that the following points must always be observed before starting up:

1. Faulty units must not be used.
2. Secure Titan spray gun using the safety catch on the trigger.
3. Ensure that the unit is properly grounded / earthed.
4. Check allowable operating pressure of high-pressure hose and spray gun.
5. Check all connections for leaks.

3

The instructions regarding regular cleaning and maintenance of the unit must be strictly observed.

Before any work is done on the unit or for every break in work the following rules must be observed:

1. Release the pressure from spray gun and hose.
2. Secure the Titan spray gun using the safety catch on the trigger.
3. Switch off unit.

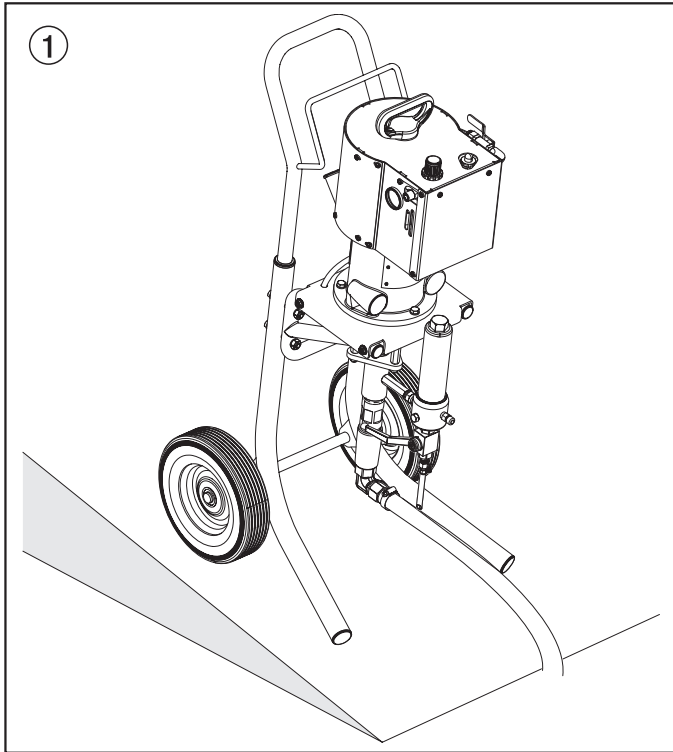
Be safety conscious!

Contents

	Page		Page
1. Safety regulations for Airless spraying	2	6. Maintenance	13
1.1 Explanation of symbols used	2	6.1 Daily maintenance.....	13
1.2 Compressor safety	3	6.2 Maintaining the filter assembly.....	14
1.3 Setting up on uneven surfaces.....	4	6.3 Maintaining the air motor	15
1.4 Freezing Parts	4	6.4 Maintaining the fluid pump	15
2. General view of application	5	7. Troubleshooting	15
2.1 Application	5	7.1 Spray gun	15
2.2 Coating materials	5	7.2 Air motor	15
3. Description of unit	5	7.3 Spray patterns	16
3.1 Airless process	5	7.4 Fluid pump	17
3.2 Functioning of the unit	5	8. Servicing	18
3.3 System diagram	6	8.1 Servicing the air motor	18
3.4 Technical data for PowrCoat units	7	8.2 Servicing the pump assembly	20
4. Operation	7	Accessories and spare parts	66
4.1 Setup	7	Spare parts list for the main assembly.....	66/67
4.2 Automatic lubricator	8	Spare parts list for the motor / pump assembly	68/69
4.3 Preparing a new sprayer.....	10	Spare parts list for the upper housing assembly	70/71
4.4 Preparing to spray.....	10	Spare parts list for the air motor	72/73
4.5 Spraying.....	11	Spare parts list for the fluid pump assembly	74/75
4.6 Pressure relief procedure	11	Spare parts list for automatic filter, regulator, lubricator assembly.....	76/77
5. Cleanup	12	Spare parts list for the high-pressure filter	78/79
5.1 Special cleanup instructions for use with flammable solvents	12	Spare parts list for the cart assembly	80/81
5.2 Cleaning the sprayer	12	Warranty	81
5.3 Cleaning the air filter.....	13		

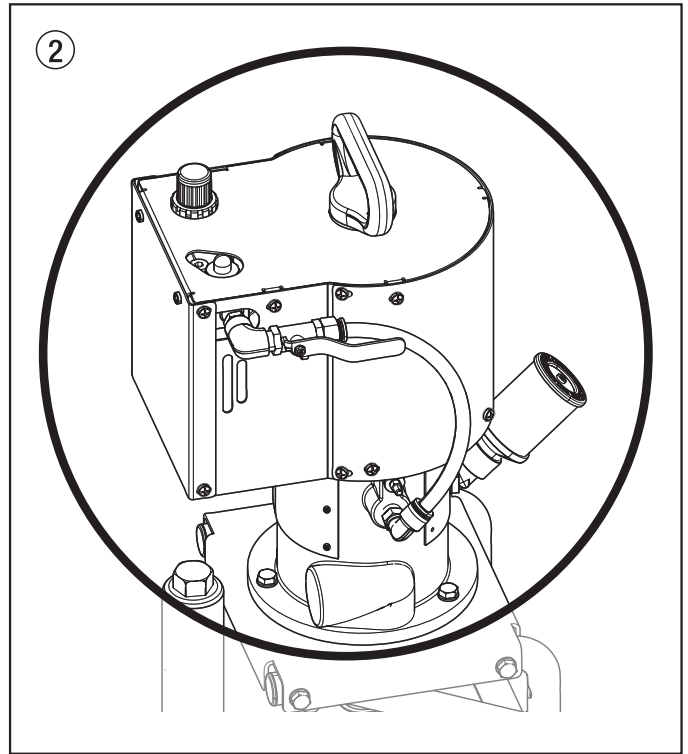
1.3 Setting up on uneven surfaces

The front side of the unit must point downwards to prevent sliding away.



1.4 Freezing Parts

The temperature of some components of the unit can drop below 32° F (0° C) during usage, and may show a build-up of frost. Refer to the diagram below for the area of the pump most likely to reach freezing temperatures. Avoid touching any components in this area during usage.



Operating Temperature

This equipment will operate correctly in its intended ambient, at a minimum between +50°F (+10°C) and +104°F (+40°C).

Relative Humidity

The equipment will operate correctly within an environment at 50% RH, +104°F (+40°C). Higher RH may be allowed at lower temperatures.

Measures shall be taken by the Purchaser to avoid the harmful effects of occasional condensation.

Altitude

This equipment will operate correctly up to 2100 m above mean sea level.

Transportation and Storage

This equipment will withstand, or has been protected against, transportation and storage temperatures of -13°F (-25°C) to 131°F (+55°C) and for short periods up to 158°F (+70°C).

It has been packaged to prevent damage from the effects of normal humidity, vibration and shock.

7.3 Spray Patterns

Problem	Cause	Solution
A. Tails 	1. Inadequate fluid delivery	1. Fluid not atomizing correctly: Increase fluid pressure. Change to smaller tip orifice size. Reduce fluid viscosity. Reduce hose length. Clean gun and filter(s). Reduce number of guns using pump.
B. Hour glass 	1. Inadequate fluid delivery	1. Same as above.
C. Distorted 	1. Plugged or worn tip	1. Clean or replace tip.
D. Pattern expanding and contracting (surge) 	1. Suction leak 2. Pulsating fluid delivery	1. Inspect for suction hose leak. 2. Change to a smaller tip orifice size. Install pulsation dampener in system or drain existing one. Reduce number of guns using pump. Remove restrictions in system; clean tip screen if filter is used.
E. Round pattern. 	1. Worn tip 2. Fluid too heavy for tip	1. Replace tip. 2. Increase pressure. Thin material. Change nozzle tip.

