# WARNING AND SAFETY INSTRUCTIONS

EQUIPMENT IS FOR PROFESSIONAL USE ONLY

## ⚠ WARNING

HIGH PRESSURE DEVICE FOR PROFESSIONAL USE ONLY
Read and understand instruction manual before use and maintenance. Observe on warnings.

Do not use spray materials containing reactive solvents with equipment containing aluminum, galvanized or zinc coated wetted parts. e.g. Dichloromethane and ethylene chloride can chemically react with aluminum and galvanized or zinc coated parts and cause explosion hazard.

## ⚠ WARNING

**Do not process flammable, explosive, toxic or otherwise hazardous materials without first performing an appropriate hazard analysis.**

VR Coatings cannot be an expert in the chemical and biological properties of the infinite number of materials that could be processed in this machine. As sold by VR Coatings, this machine is not designed to safely process hazardous materials unless additional precautions are taken.
Before processing any material that are(or can react to become) flammable, explosive, toxic or otherwise hazardous, the user must perform a thorough hazard analysis and risk assessment of the entire process and determine the best way to deal with the hazard(s) identified, including contingency plans for dealing with processing errors and object conditions.

**It is compulsory to**
**-know the product and possible hazards.**
**-store the product to be used in the appropriate areas.**
**-keep the product used during dispensing in a suitable container.**
**-Dispose the product according to the regulation of hazardous products in force in the country where the product is used.**
**-Were protective equipment designed for that use.**
**-were glasses, gloves, shoes clothes and mask for breath.**

## ⚠ WARNING

SKIN INJECTION HAZARD. Protect hands and body from high pressure fluids. Relieve pressure before disconnecting hydraulic or other lines and tighten all connections before applying pressure. In case of accidental skin injection, seek immediate "Surgical Treatment". Failure to follow this warning can result in amputation or serious injury.

**An airless spray gun requires that fluid be introduced to it at very high pressure. Fluids under high pressure, from spray or leaks, can penetrate the skin and inject substantial quantities of toxic fluid into the body. If not promptly and properly treated, the injury can cause tissue death or gangrene and may result in serious, permanent disability or amputation of the wounded part. Therefore extreme caution must be exercised when using any airless spray equipment.**

**IF YOU ARE INJECTED, SEE A PHYSICIAN IMMIDIATELY. DO NOT TREAT AS A SIMPLE CUT!**
**<u>NOTE TO PHYSICIAN</u>:**
Injection into the skin is a serious, traumatic injury. It is important to treat the injury surgically as soon as possible. Do not delay treatment to research toxicity. Toxicity is concerned with some exotic coatings injected directly in to the bloodstream. Consultation with a plastic surgeon or a reconstructive hand surgeon may be advised.

- NEVER attempt to force the flow of fluid backward through the gun with your finger, hand or hand-held object against the gun nozzle.

- Before flushing system, always remove spray tip and adjust fluid pressure to lowest possible setting.

WARNING: The paint hose can develop leaks from wear, kinking, abuse etc. A leak is capable of injecting fluid into the skin; therefore the paint hose should be inspected before use. NEVER attempt to plug a hose with any part of your body, adhesive tape or any other makeshift device. Do not attempt to repair a spray hose. Instead, replace it with a new grounded hose. You must see to it that the following points are followed for hoses, accessories or any other hardware:

- Comply with manufacturer's recommendations.
- Withstand the pressure ranges with correct safety factor.
- Must not show any leaks, kinks, sign of wear and should be factory fitted and pressure tested.

An air pressure safety valve forms an integral part of the air motor or air regulator and must not be altered or tampered with.

## ⚠ WARNING

**COMPONENT RUPTURE** The system is capable of producing high pressure. All components in the system must have a maximum working pressure capacity, not less than the pressure rating of the pump.
**SERVICING** Before servicing, cleaning or removing any part, always shut off power source, carefully release pressure in fluid portions of the system and set safety locks on guns and equipment

**PRESSURE RELEASE PROCEDURE**
A **Set trigger safely in a locked position.**
B **Shut off pump (**Close **main air supply valve and back-off air regulator).**
C **Release fluid pressure from entire system (Open drain valve) and trigger gun.**
D **Reset trigger safely in a locked position.**

## ⚠ WARNING

High velocity flow of material through equipment may create static electricity. All equipment being sprayed must be properly grounded to prevent sparking, which may cause fire or explosion.

Due to static electricity potential generated by the high velocity of fluid through the pump, hose and tip, sparking may occur and the system may be come hazardous. This can result in an explosion and/or fire, if every part of the spray equipment is not properly grounded. Be sure that both the object being sprayed and the airless equipment are grounded.
This can be done by attaching a static wire to water piping or building structural members known to be earthen. If the hose does not contain a static electricity conductor, a static wire must be attached from the spray gun to the earth.

## ⚠ CAUTION

Before any adjustment, inspection, maintenance, cleaning, removing work always shut off the power source, carefully release pressure in fluid of the system and set safety locks on guns.

ALWAYS follow the coating or solvent manufacturer's safety precautions and warnings. Never spray flammable material near open flames, pilot lights or any other source of ignition.

If you experience any static sparking or slight shock while using the equipment, stop spraying immediately. Check the entire system for proper grounding. Do not use the system again until the problem has been corrected.
Follow material supplier's instructions carefully and ensure adequate ventilation of working area to prevent health hazards.

## ⚠ CAUTION

### FLUSHING/CLEANING

Always flush the unit into a separate metal container with the spray tip removed and the gun held firmly against the side of container to assure proper grounding and prevent static discharge, which could cause serious bodily injury.

## ⚠ CAUTION

**FINGER OR HANDS PINCH HAZARD. KEEP HANDS CLEAR OF MOVING PARTS COUPLING AND PISTONS**

Before servicing/removing any part always shut off power source and release pressure in fluid portions of the system.

## ⚠ CAUTION

DO NOT START PUMP IF ALL SAFE GUARDING PROVISIONS IN SYSTEM ARE IN PLACE.
i.e. MOVING PART GUARDS,COUPLING GUARDS.

## ⚠ CAUTION

Ensure that temperature of hot fluid used in the equipment shall not exceed 80% of the self-ignition temperature of the gases/solvent vapour in explosive atmosphere, in which equipment is used.

## ⚠ CAUTION

Check the compatibility of the solvent used in the equipment with the materials of wetted parts.