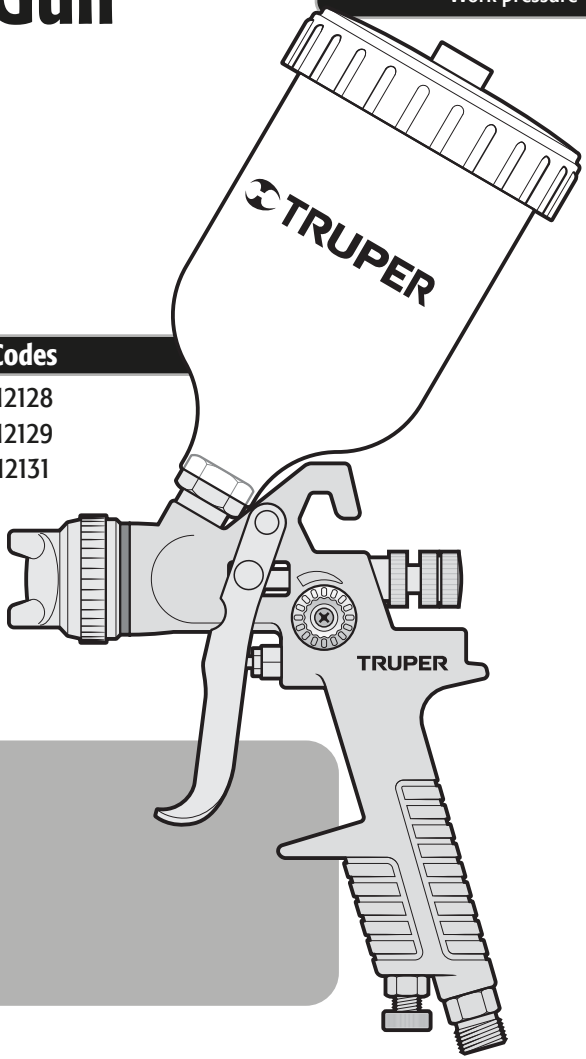
ENGLISH
ESPAÑOL

TRUPER®

Manual

Gravity Spray Gun

30 PSI - 50 PSI
Work pressure



Applies for:

Models	Codes
PIPI-440	12128
PIPI-441	12129
PIPI-442	12131

⚠ CAUTION

Read this manual thoroughly before using the tool.

WARRANTY TRUPER® WARRANTY

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⚠ CAUTION

To gain the best performance of the tool, prolong the duty life, make the Warranty valid if necessary, and to avoid hazards of fatal injuries please read and understand this Manual before using the tool.

Keep this manual for future references.

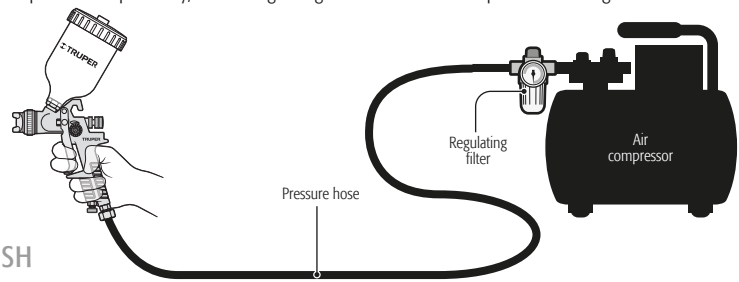
The illustrations in this manual are for reference only. They might be different from the real tool.

Technical Data

	PIPI-440	PIPI-441	PIPI-442
Code	12128	12129	12131
Description	Gravity Spray Gun		
Jar Capacity	17 oz		
Air Pressure	30 PSI - 50 PSI		
Connection Diameter	1/4 NPT		
Air Consumption	8 CFM		
Nozzle Diameter	0.05"	0.06"	0.07"

Pneumatic Requirements

• For household jobs, it is possible to use 1.5 CV compressors with a 6.6 gallons deposit. For more demanding jobs, like bodywork, industry, etc., we recommend using 3 CV compressors with a 26.4 gallons deposit as minimum.
• Use high-pressure hoses with the adequate length to do the job comfortably.
⚠ CAUTION • Dust and water condensation inside the compressor tank can cause a deficient finish in the surface to be painted. To prevent that possibility, install a regulating filter between the compressor and the gun.



Safety Warnings
for the Use of Pneumatic Tools

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Keep your work area clean, tidy and well lit.

⚠ CAUTION Cluttered and dark areas may cause accidents.

Never use the tool in explosive environments or near flammable liquids.

⚠ DANGER Sparks generated by the tool may cause explosion or fire.

Keep children and visitors at a safe distance when using the tool.

⚠ WARNING Distractions may cause loosing control and cause accidents.

Avoid contact with power lines and circuits.

⚠ DANGER Find and avoid both power lines and circuits, especially hidden wires and grounded devices.

Stay alert, use care and common sense.

⚠ CAUTION Do not rely on your knowledge of the tool. Do not get distracted while operating it. It could cause accidents.

Do not use the tool when tired or under the influence of drugs, alcohol or medication.

⚠ DANGER One second of distraction while using the tool may cause severe injuries.

Use the tool with guards and protective devices in place and in good working conditions.

⚠ WARNING Failure to comply with these measures may cause severe injuries.

Secure and support the work piece properly.

⚠ CAUTION Use bench vices and a stable working area.

Do not force the tool.

⚠ CAUTION It will do the job better and safer at the rate for which it was intended.

Store the tool in a safe place away from the reach of children.

⚠ WARNING Power tools are dangerous for inexperienced people.

Dress properly.

⚠ WARNING Loose clothing, jewelry or long hair may get caught in moving parts.

Keep your hands away from rotating and/or mobile parts.

⚠ WARNING Failure to comply with this safety measure exposes you to severe personal injury.

Use adequate personal protection.

⚠ CAUTION Using safety glasses, anti-dust mask, safety non-skid shoes, helmet and earplugs used in adequate conditions considerably reduce the risk of injury.

Disconnect the air hose from the tool servicing, changing devices or storing.

⚠ WARNING Reduce the risk of unintentional starting causing accidents.

Never use a tool if the switch is not working or is not properly assembled.

⚠ WARNING You are exposed to severe personal injury.

Do not overreach.

⚠ CAUTION Good footing and balance allow you to gain better control of the tool in unexpected situations.

Never pull the air hose.

⚠ WARNING Do not use it to carry or disconnect the tool pulling out the air supply. Damaged or tangled hoses can burst and shoot residues towards the operator.

Avoid accidental start up.

⚠ WARNING Make sure the air supply tool is switched off before connecting or moving the tool.

Remove vices before starting the tool.

⚠ DANGER Additional tools or vices set into a moving part may cause severe injury.

Service the tool and verify it is in excellent working conditions.

⚠ CAUTION Carefully check all moving parts, alignment and assembly. Make this periodically. Look for damaged or malfunctioning parts to immediately be repaired.

Accessories.

⚠ CAUTION Use only accessories or spare parts recommended in this MANUAL or certified by TRUPER®.

Never leave a running tool unattended.

⚠ CAUTION Switch off and disconnect the tool from the air supply after operating and before putting it aside. Avoid severe injury.

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Safety Warnings
for the Use of Spray Guns

Substances and Materials

⚠ CAUTION • The unit is designed to apply covering materials like paint, varnish, enamel, etc. These should have an ignition point not lower than 70 °F. Check the product can label or container.

⚠ WARNING • Do not spray substances you are not familiar with and if their potential danger is unknown to you.

⚠ WARNING • Do not spray flammable substances.

• Use care with dangers originated by the sprayed substances. Read the text and information in the cans and containers or the manufacturer specifications.

Before operating the unit

⚠ CAUTION • The unit shall not be used in enclosed areas or explosive environments.

• If working outdoors consider wind direction. Wind carries the covering to great distances, causes damages and makes the job difficult.

⚠ CAUTION • If working indoors, verify there is adequate ventilation.

⚠ WARNING • The work area shall be free of any ignition source. Do not smoke while spraying or near the work area.

⚠ CAUTION • Wear a face mask and safety goggles when spraying. Prevents damaging lungs and eyes.

• Wearing gloves and an overall is recommended to protect hands and clothes from the product when applying.

While operating the device

⚠ CAUTION • Never point the sprayer towards your body, passersby or animals.

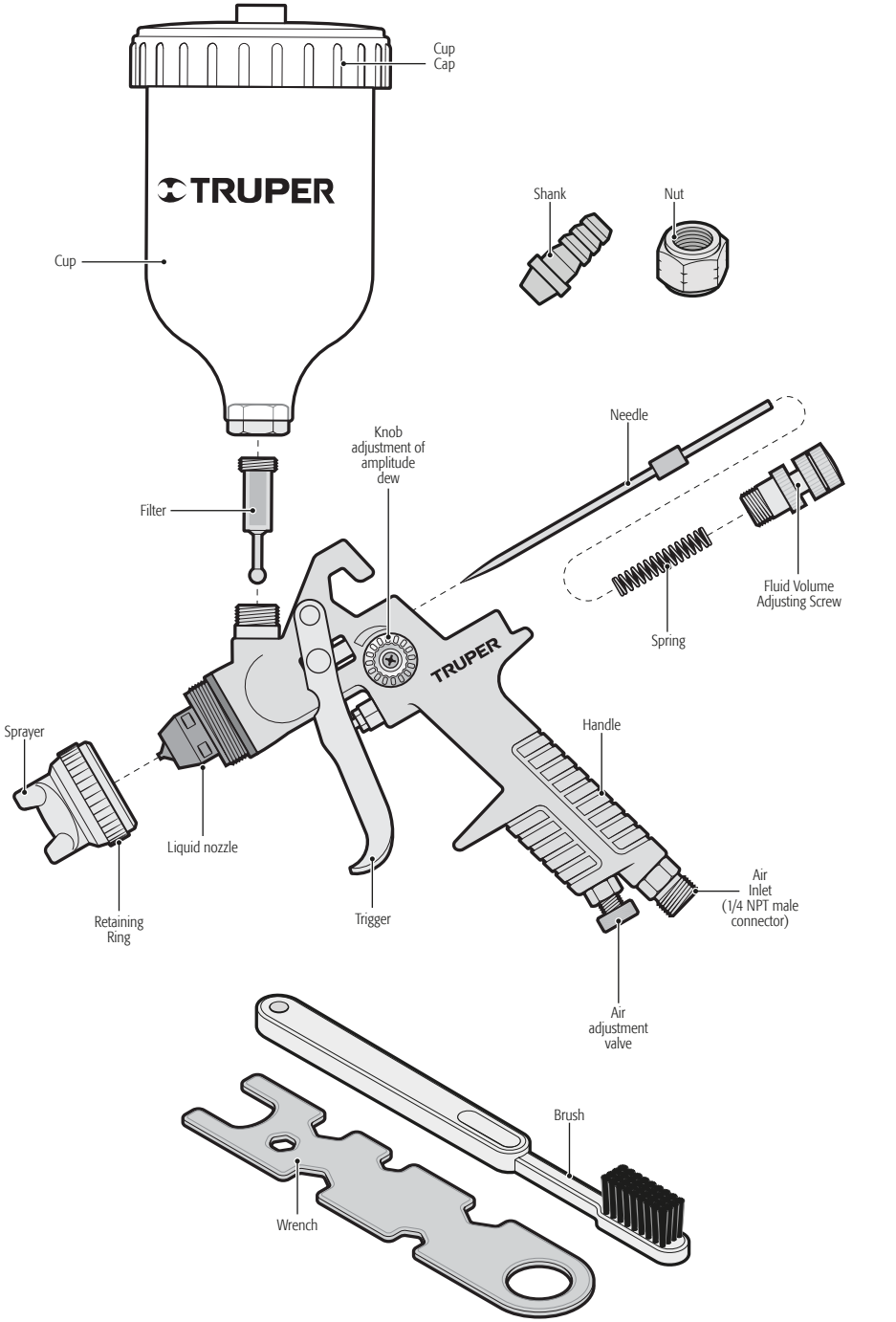
• Make sure that the equipment does not absorb any steam solvent.

⚠ CAUTION • In the event you need to pause during the application process, do not set the sprayer sideways. Hold it by the hook of somewhere for it be vertical.

After operating the unit

⚠ WARNING • When finishing the job clean the gun perfectly to eliminate any product residue. Accumulations can damage the gun and cancel the Warranty

Parts


Cup
Cap
TRUPER
Cup
Shank
Nut
Needle
Knob
adjustment of
amplitude
dew
Filter
Fluid Volume
Adjusting Screw
Spring
TRUPER
Sprayer
Handle
Liquid nozzle
Air
Inlet
(1/4 NPT male
connector)
Retaining
Ring
Trigger
Air
adjustment
valve
Brush
Wrench

Preparation

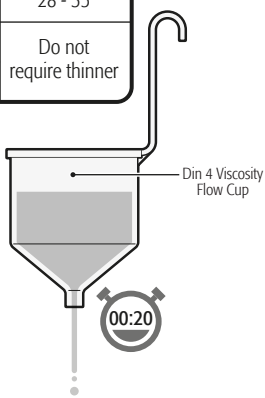
• To get a good job done it is important to prepare the surface to be sprayed. Thin the paint of fluid to get the right viscosity before applying.
• Always confirm that the surface to spray is free of dust, dirt and grease.
• Be sure to cover those areas not needing to be sprayed. Use adhesive tape, newspaper and / or plastic.
• The paint or fluid to spray shall be twirled before filling up the cup to prevent it from settling. It shall be free of lumps or other particles.
• Always check the manufacturer's recommendations regarding the fluid before purchasing.

Thinning the fluid

• Most paints are sold ready to apply and need to be thinned before being adequate to apply with a gun. Follow the fluid manufacturer's instructions to thin adequately.
• We recommend using a thinner from 5 to 10 % until reaching the right viscosity to apply the fluid.
• Use the din 4 viscosity flow cup (not included) to determine the right viscosity of the paint. Viscosity is determined counting the seconds that takes the fluid to be discharged from the measuring cup. The following table show the time recommended for different products.

Fluid	Second to discharge
Water based Paint	20 - 25
Primer	24 - 28
Varnish	20 - 25
Oil Based Paint	18 - 22
Enamel Paint	18 - 22
Aluminum Paint	22 - 25
Automotive Sealant	25 - 35
Wood Sealant	28 - 35
Wood Preserver	Do not require thinner
Wood Stain	

• If after thinning the fluid the dispersion capacity is very low, add little by little more dilatant from 5 to 10 % until the dispersion capacity complies with the needs.
• If the paint is too thick, the painted surface will be rough (orange peel). If the paint is too fluid, there is risk it will drip.



Filling the Cup

• The cup must be mounted on the gun before filling it.
• Open the cup cap and pour the coating material properly thinned as indicated in the previous section.
• Close the cap to start spraying.

Start Up

Volume Selector

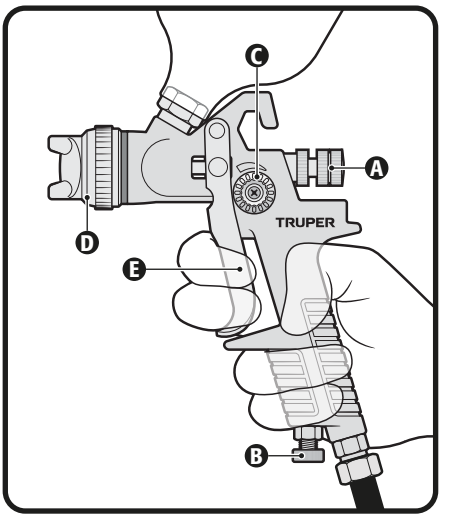
• Turn the screw (**A**) to adjust the volume of the fluid to be sprayed. Turning counterclockwise the volume diminishes and turning clockwise the volume increases.
• Turn the screw (**B**) to regulate the air inlet into the gun.
• Turn the knob (**C**) to regulate the fan size to be sprayed.
• Turn the spryer (**D**) to change the fan angle.

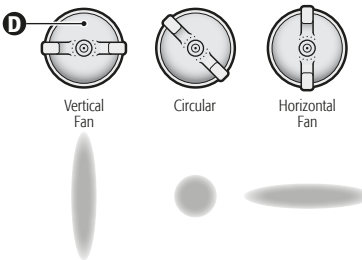
Start up

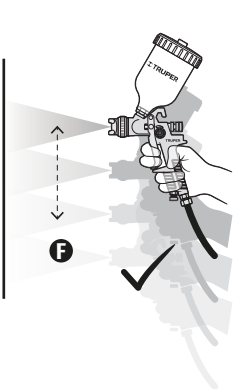
• Start the compressor.
• Press the trigger (**E**) to open the air flow and starts suctioning the fluid from the cup. Aim the gun towards a piece of cardboard until the fluid mist is sprayed.
• Release the trigger to stop the mist flow.

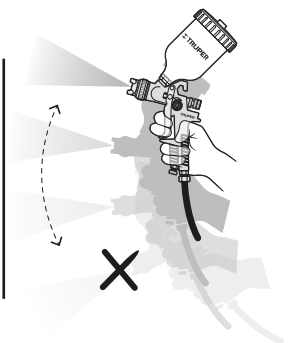
Spraying Techniques

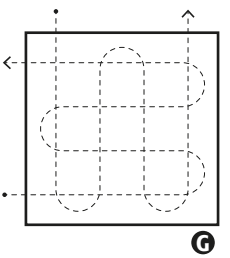
• To get good results, always keep the gun leveled and parallel to the surface (**F**). Keep the nozzle 7.0" – 9.8" away from the surface and spray evenly from one side to the other and up and down. Do not spray in an angle, otherwise, the paint may run through the surface. Make soft and uniform passes. When spraying large areas use a crossed pattern (**G**).
• Displace the gun using a constant and uniform speed. Fast movements produce thin layers and slow movements produce thick layers.
• Apply one layer at a time. If you need another layer see the drying recommendations from the material manufacturer before applying a second layer. Remember that to get a better finish, applying two thin layers as opposed to only one thick layer.
• When spraying small areas turn the adjusting screw to reduce the volume of material to be applied. This way you avoid using too much paint and prevents from over-spraying.
• To assure a uniform application, when possible, avoid pausing while spraying an object.
• Do not tilt the paint gun in an angle bigger than 45°.











Cleansing and Care

• It is very important to clean the paint gun thoroughly after each use.

⚠ WARNING Inadequate cleansing will result in malfunctioning and will cancel the Warranty.

• Pour the remaining fluid into an adequate container.
• Without removing the jar press the trigger to remove all the fluid inside the system.
• Disconnect the paint gun hose.
• Clean the jar, the gasket seal and the suction pipe thoroughly with a rag soaked with the solvent that is right for the product.
• Disassemble the regulator, the sprayer, the nozzle and the needle. Clean them with a brush and solvent.
• Clean the paint gun body with a piece of rag moistened with solvent.

⚠ CAUTION Do not immerse the gun in solvent. The gaskets may get damaged.

• When the parts are clean assemble back the paint gun.
• Pour a small amount of solvent into the jar. Connect the hose to the paint gun.
• Turn on the compressor and spray into a container until getting clean solvent out through the nozzle.

Troubleshooting

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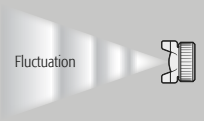
Problem		Cause	Solution
Wrong Mist Patterns:	 Half Moon	• Paint build up in the nozzle.	• Remove the obstructions from the nozzle. **⚠ CAUTION** Do not use metal objects to clean the funnel orifices.
	 Tilted	• Paint build up in the nozzle or asperser. • Damaged nozzle. • Nozzle is poorly tightened.	• Remove obstructions from the nozzle and asperser. • Replace the nozzle. • Tighten the nozzle.
	 Divided	• Paint viscosity is too low. • Fluid outlet is too high.	• Add paint to the mix. • Adjust the paint flow regulator or the air flow.
	 Centered	• Paint viscosity is too high. • Fluid outlet is too low.	• Add thinner to the mix. • Adjust the paint flow regulator or the air flow.

Problem	Cause	Solution
Wrong Fan:		
 Fluctuation	• Air is entering between the nozzle and the gun body. • Air is suctioned though the seal washer in the needle.	• Clean the nozzle and the joint with the gun. If damaged, replace the nozzle. • Tighten the needle seal as indicated in page 8.
 Divided	• The nozzle and the needle are not set correctly. • The nozzle and / or needle is damaged. • Fluid build up inside the gun system.	• Clean the nozzle and the needle. • Replace the fluid nozzle and the fluid needle. • Disassemble the gun parts and clean all the components.
Air leaks.	• Residues or damage in the air flow regulating knob system. Poorly tightened components.	• Disassemble the system to check, clean and tighten the air valve, its seat and washers. Replace any damaged part.
Fluid leaks.	• Residues or damage in the nozzle and / or needle. Components poorly tightened.	• Disassemble the system to check, clean and tighten the air valve, its seat and washers. Replace any damaged part.
The fluid is not flowing.	• Fluid flow regulating screw has insufficient opening. • Obstruction in the system.	• Turn the screw counterclockwise to increase flow. • Disassemble la gun parts and clean all the components.

Notes

Imported by: **Truper, S.A. de C.V.**
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