



CONTROL SPRAY™

Owner's manual: Read this manual for complete instructions

Manual del propietario: Le este manual para obtener instrucciones completas



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Technical service hours:

Monday through Friday, 8:00 am to 4:30 Central Time

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Horario del servicio técnico:

De lunes a viernes, de 8 a.m. a 4:30 p.m., Hora Central

 **1-800-328-8251**
Wagner Technical Service
 Or visit us on the world wide web!
 ¡O visítenos en Internet!
<http://www.wagnerspraytech.com>


Need Help?
 Call us first for answers fast. Call Wagner toll-free if you have any comments or problems with this Wagner product.

¿Necesita Ayuda?
 Llámenos primero para obtener respuestas rápidas. Llame a la línea gratuita de Wagner si quiere hacer un comentario o tiene problemas con este producto de Wagner.



Important Safety Information • Read all safety information before operating the equipment. Save these instructions

To reduce the risks of fire or explosion, electrical shock and the injury to persons, read and understand all instructions included in this manual. Be familiar with the controls and proper usage of the equipment.

 Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

HAZARD: EXPLOSION OR FIRE

Solvent and paint fumes can explode or ignite. Severe injury or property damage can occur.



PREVENTION:

- Provide extensive exhaust and fresh air introduction to keep the air within the spray area free from accumulation of flammable vapors.
- Avoid all ignition sources such as static electric sparks, open flames, pilot lights, electrical appliances, and hot objects. Connecting or disconnecting power cords or working light switches can make sparks.
- Do not smoke in spray area.
- Fire extinguisher must be present and in good working order.
- Use only outdoors in a well-ventilated area. Flammable vapors are often heavier than air. The turbine contains arcing parts that emit sparks and can ignite vapors.
- Follow the material and solvent manufacturer's warnings and instructions.
- Do not use materials with a flashpoint below 70°F (21°C). Flashpoint is the temperature that a fluid can produce enough vapors to ignite (see coating supplier).
- Plastic can cause static sparks. Never hang plastic to enclose the spray area. Do not use plastic drop cloths when spraying flammable materials.



HAZARD: EXPLOSION HAZARD DUE TO INCOMPATIBLE MATERIALS.

Will cause property damage or severe injury.

PREVENTION:

- Do not use materials containing bleach or chlorine.
- Do not use halogenated hydrocarbon solvents such as bleach, mildewcide, methylene chloride and 1,1,1-trichloroethane. They are not compatible with aluminum.
- Contact your coating supplier about the compatibility of material with aluminum.



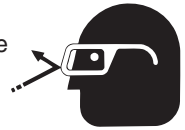
HAZARD: HAZARDOUS VAPORS

Paints, solvents, insecticides, and other materials can be harmful if inhaled or come in contact with the body. Vapors can cause severe nausea, fainting, or poisoning.



PREVENTION:

- Use a respirator or mask if vapors can be inhaled. Read all instructions supplied with the mask to be sure it will provide the necessary protection.
- Wear protective eyewear.
- Wear protective clothing as required by coating manufacturer.



HAZARD: GENERAL

Can cause severe injury or property damage.

PREVENTION:

- Read all instructions and safety precautions before operating equipment.
- Follow all appropriate local, state, and national codes governing ventilation, fire prevention, and operation.
- The United States Government Safety Standards have been adopted under the Occupational Safety and Health Act (OSHA). These standards, particularly part 1910 of the General Standards and part 1926 of the Construction Standards should be consulted.
- Use only manufacturer authorized parts. User assumes all risks and liabilities when using parts that do not meet the minimum specifications and safety devices of the turbine manufacturer.
- Power cord must be connected to a grounded circuit.
- All swivels, guns and accessories must be rated at or above 10 PSI.
- Do not spray outdoors on windy days.
- Wear protective clothing to keep paint off skin and hair.
- Never aim spray gun at any part of the body.

Household use only. Intended for outdoor use ONLY with materials having flashpoint above 70°F (21°C).

		Minimum gauge for extension cords							
Ampere rating range	Voltage	Cord length (feet)							
	120V	25-50	100	150	200	250	300	400	500
2 - 3		18	16	14	14	12	12	10	10



Important Safety Information • Read all safety information before operating the equipment. Save these instructions

Important Electrical Information

NOTICE

Use only a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that will accept the plug on the product. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. A 14 gauge (200 feet maximum) or 12 gauge cord (300 feet maximum) is recommended. If an extension cord is to be used outdoors, it must be marked with the suffix W-A after the cord type designation. For example, a designation of SJTW-A would indicate that the cord would be appropriate for outdoor use.

Grounding Instructions

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.



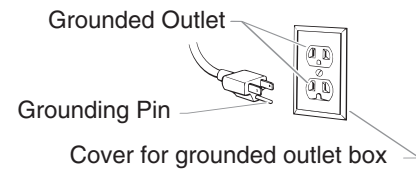
DANGER--Improper installation of the grounding plug can result in a risk of electric shock.



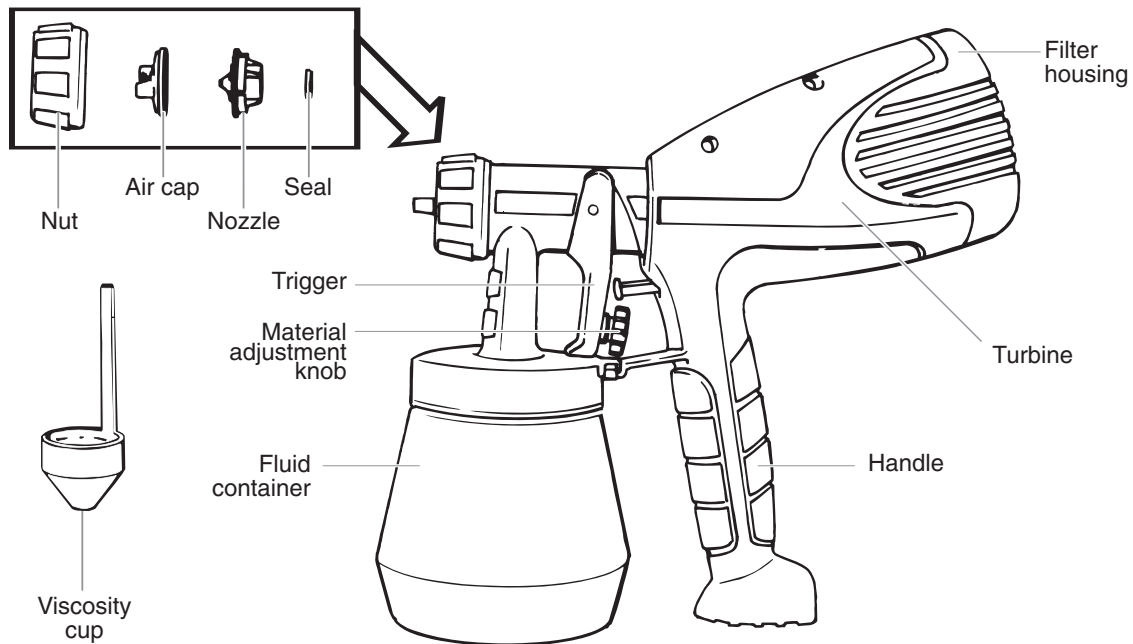
If repair or replacement of the cord or plug is necessary, do not connect the green grounding wire to either flat blade terminal. The wire with insulation having a green outer surface with or without yellow stripes is the grounding wire and must be connected to the grounding pin.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician.

This product is for use on a nominal 120 volt circuit and has a grounding plug that looks like the plug illustrated below. Make sure that the product is connected to an outlet having the same configuration as the plug.



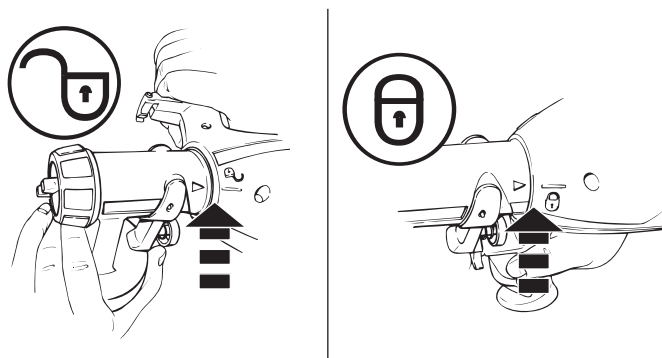
Components



Setup

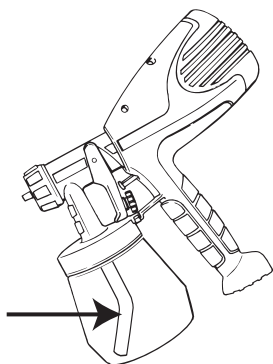
Assembly

1. Align the arrow on the spray gun with the “unlock” symbol on the turbine.
2. Insert and twist the spray gun into the turbine toward the “lock” symbol on the turbine. The tab below the trigger will lock the two pieces into place.

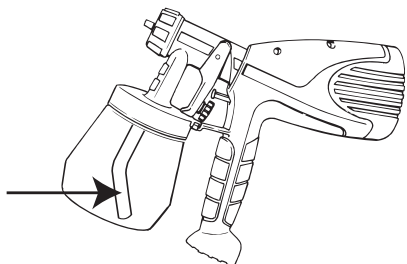


Aligning the Suction Tube

If you are going to be spraying in a downward direction, the angled end of the suction tube should be pointing toward the front of the gun.



If you are going to be spraying in an upward direction, the angled end of the suction tube should be pointing toward the rear of the gun.



By pointing the suction tube in the proper direction, you will not have to refill the container as often.

Material Preparation

Before spraying, the material being used may need to be thinned with the proper solvent as specified by the material manufacturer. Never exceed the thinning advice given by the coating manufacturer.

Do not use materials with a flashpoint below 70°F (21°C). Follow the instructions below.

1. Stir the spraying material thoroughly before measuring viscosity.
2. Dip the viscosity test cup completely into the spraying material.



3. Hold the test cup up and measure the time in seconds until the liquid empties out. This time is referred to below as **Runout Time**.

Thinning Chart

Material	Runout Time
1) Oil enamel	25-40
2) Oil based primer	30-45
3) Oil stain	No thinning required
4) Clear sealer	No thinning required
5) Polyurethane	No thinning required
6) Varnish	20-50

Material to be sprayed should always be strained to remove any impurities in the paint which may enter and clog the system. Impurities in the paint will give poor performance and a poor finish.



MATERIAL FLASH POINT MUST BE 70°F (21°C) OR HIGHER.

Fill Container

1. Unscrew the cup from the spray gun.
2. After the material has been properly thinned and strained, fill the container to the top of the neck.



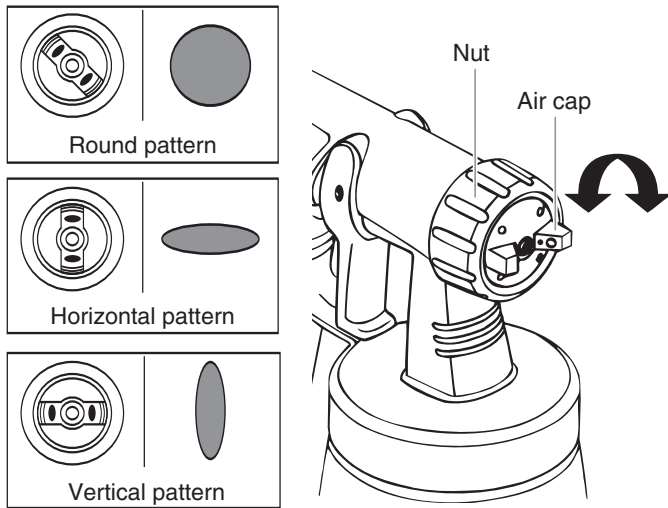
3. Carefully screw the cup back onto the spray gun.

Spraying

Adjust Spray Pattern

The spray pattern shape is adjusted by turning the ears of the air cap to either the vertical, horizontal, or diagonal positions. The positions of the air cap and the corresponding spray pattern shapes are illustrated below.

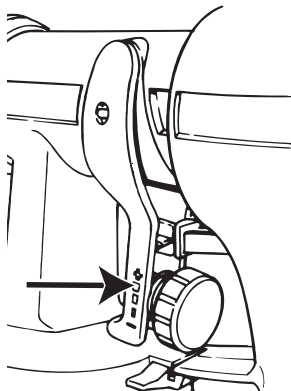
Test each pattern and use whichever pattern is suitable for your application.



NEVER trigger the gun while adjusting the ears on the air cap. **NEVER** point the spray gun at any part of the body.

Material Flow Adjustment

Set the material volume by turning the regulator on the trigger of the spray gun.



Proper Spraying Technique

If spraying with an HVLP spray system is new or unfamiliar to you, it is advisable to practice on a piece of scrap wood or cardboard before beginning on your intended workpiece.

Surface Preparation

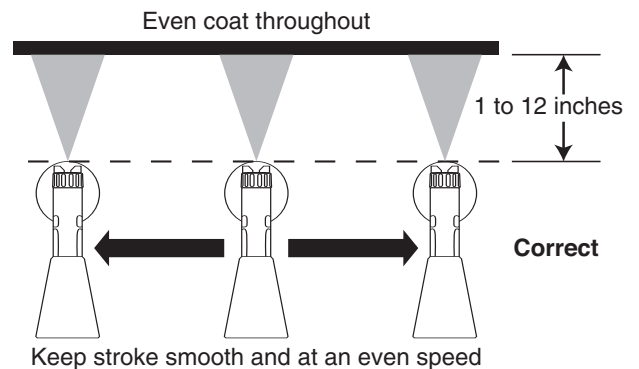
All objects to be sprayed should be thoroughly cleaned before spraying material on them. Areas not to be sprayed may, in certain cases, need to be masked or covered.

Spray Area Preparation - outdoor use only

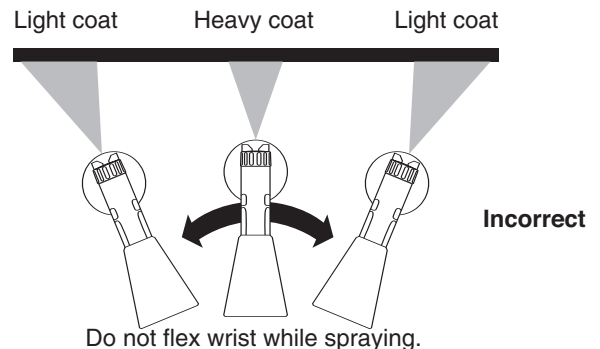
The spray area must be clean and free of dust in order to avoid blowing dust onto your freshly sprayed surface.

How to Spray Properly

- Position the spray gun perpendicular to and one (1) or more inches from the spray surface, depending upon the spray pattern size desired.
- Spray parallel to the surface with smooth passes at a consistent speed as illustrated below. Doing this will help avoid irregularities in the finish (i. e. runs and sags).
- Always apply a thin coat of material on the first pass and allow to dry before applying a second, slightly heavier coat.
- The closer your sprayer is to the object being sprayed the lower the overspray.



- When spraying, always trigger the spray gun after spray pass has begun and release trigger before stopping the pass. Always keep the gun pointed squarely at the spray surface and overlap passes slightly to obtain the most consistent and professional finish possible.



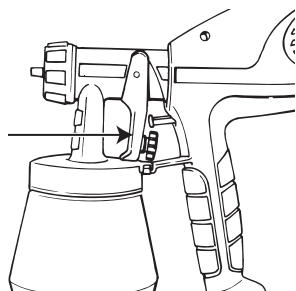
Cleanup

Cleaning the Spray Gun

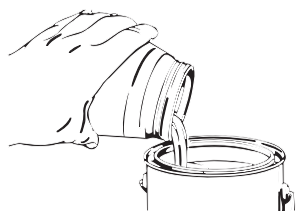
! Special cleanup instructions for use with flammable solvents (must have a flashpoint above 70°F (21°C):

- Always flush spray gun outside.
- Area must be free of flammable vapors.
- Cleaning area must be well-ventilated.
- **DO NOT SUBMERGE TURBINE!**

1. Unplug the spray gun, and trigger the spray gun so that the material inside the spray gun flows back into the container.



2. Unscrew the container. Empty any remaining material back into the material container.

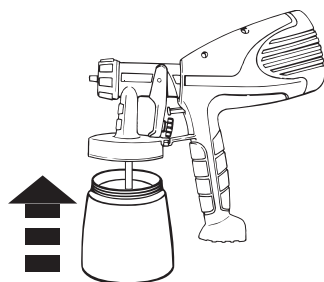


3. Pour a small amount of the appropriate cleaning solution into the cup (warm, soapy water for latex materials; mineral spirits for oil-based materials). **Clean cup and properly dispose of cleaning solution.**

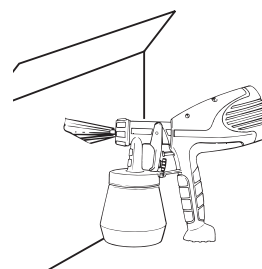


4. Refill the cup with **NEW** cleaning solution.

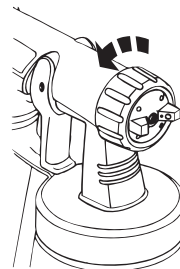
5. Attach the cup to the gun and plug in the sprayer.



6. Spray the solution through the gun for two seconds in a safe area. Spray again for two seconds. Unplug the spray gun, and trigger the spray gun so that the material inside the spray gun flows back into the container.



7. Wipe the exterior of the cup and gun until clean.



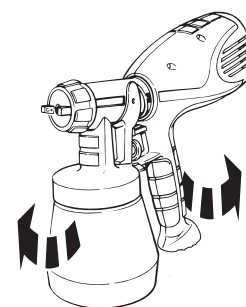
8. Unscrew the nut and remove the air cap and nozzle.



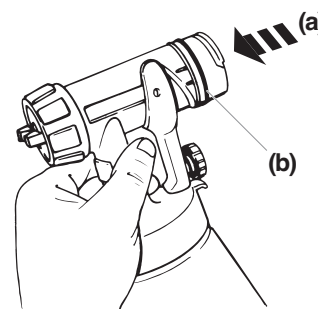
9. Clean the container, suction tube, air cap and nozzle with a cleaning brush and the appropriate cleaning solution.

Never clean nozzle or air holes in the spray gun with sharp metal objects. Do not use solvents or lubricants containing silicone.

10. Push the tab below the trigger, twist and separate the spray gun from the turbine.



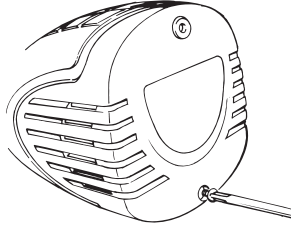
11. Clean the rear of the spray gun (a) with the appropriate cleaning solution. Use a thin layer of petroleum jelly to lubricate the O-ring (b). Reassemble spray gun.



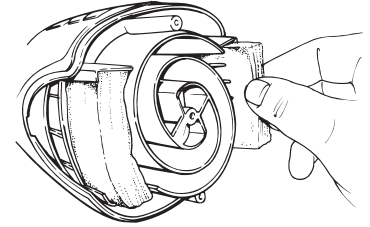
Maintenance

You should inspect the air filter in the turbine to see if it is excessively dirty. If it is dirty, follow the steps below to replace it.

1. Unplug the spray gun. Remove the filter cover from the turbine by removing the two screws holding it in place.



2. Remove the dirty filters and replace with new ones. The smooth side of the air filter must be placed toward the turbine.



3. Secure the cover back onto the turbine.

Never operate your unit without the air filters. Dirt could be sucked in and interfere with the function of the unit.


Troubleshooting

Problem

Cause

Solution

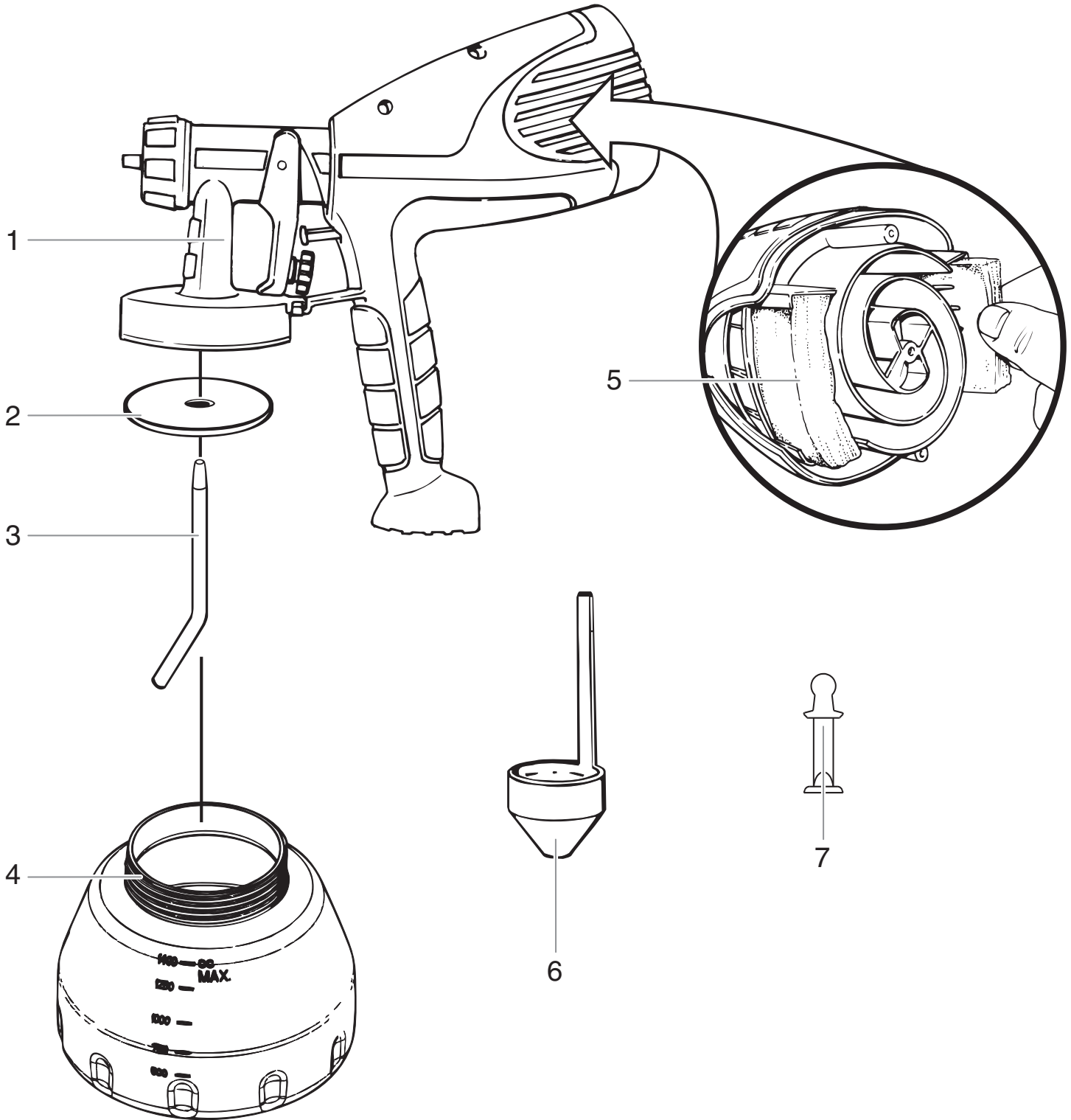
A. Little or no material flow	<ol style="list-style-type: none"> 1. Nozzle clogged. 2. Suction tube clogged. 3. Material volume setting turned too low (-). 4. Suction tube loose. 5. No pressure build up in container. 6. Air filter clogged. 	<ol style="list-style-type: none"> 1. Clean. 2. Clean. 3. Increase volume setting (+). 4. Insert. 5. Tighten container. 6. Change.
B. Material leaking	<ol style="list-style-type: none"> 1. Nozzle loose. 2. Nozzle worn. 3. Nozzle seal worn. 4. Material build-up on air cap and nozzle 	<ol style="list-style-type: none"> 1. Tighten. 2. Replace. 3. Replace. 4. Clean.
C. Atomization is too coarse	<ol style="list-style-type: none"> 1. Viscosity of material too high. 2. Material volume too large. 3. Material volume setting too high (+). 4. Nozzle clogged. 5. Air filter clogged. 6. Too little pressure build-up in container. 	<ol style="list-style-type: none"> 1. Thin. 2. Decrease volume setting (-). 3. Decrease volume setting (-). 4. Clean. 5. Change. 6. Tighten container.
D. Spray jet pulsates	<ol style="list-style-type: none"> 1. Material in container running out. 2. Air filter clogged. 	<ol style="list-style-type: none"> 1. Refill. 2. Change.
E. Pattern runs or sags	<ol style="list-style-type: none"> 1. Applying too much material. 	<ol style="list-style-type: none"> 1. Adjust material flow or increase movement of spray gun.
F. Too much overspray	<ol style="list-style-type: none"> 1. Gun too far from spray object. 2. Too much material applied. 	<ol style="list-style-type: none"> 1. Reduce distance. 2. Decrease volume setting (-).
G. Pattern is very light and spotty.	<ol style="list-style-type: none"> 1. Moving the spray gun too fast. 	<ol style="list-style-type: none"> 1. Adjust material flow or decrease movement of spray gun.

 **Have you tried the recommendations above and are still having problems? In the United States, to speak to a customer service representative, call our Customer Service at 1-800-328-8251 Monday through Friday between 8:00 AM and 4:30 PM Central time. An automated Self-Help option is also available at 1-800-328-8251, seven days a week, twenty-four hours a day.**

Product Registration Card

Send in your product registration card or register online at www.wagnerspraytech.com. Proper registration will serve as proof of purchase in the event your original receipt becomes misplaced or lost. Returning this card will expedite the processing of your warranty. Be sure you write your unit's **date code** on the card before sending it. **The date code is located underneath the base of your unit (for example, S087R).** The additional information will also help us to develop new products that best meet your needs and desires.

Parts List • Lista de pieza



Parts List • Lista de pieza

Item Artículo	Part No. Pieza No.	English - Description	Español - Descripción	Quantity Cantidad
1)	0417210	Sprayer assembly	Rociador	1
2)	0414364	Container seal	Sello de recipiente	1
3)	0414363	Suction tube	Tubo de succión	1
4)	0414336	1 1/2 quart container	Recipiente de 1.4 litros	1
5)	0417323	Air filter	Filtro de aire	1
6)	0202303	Viscosity cup	Cubeta de viscosidad	1
7)	9892550	Lubricant	Lubricante	1

Replacement parts available by
calling customer service.

Los repuestos están disponibles
llamando al servicio a clientes.

Warranty • Garantía

LIMITED WARRANTY HVLP PAINT SPRAY EQUIPMENT

This product, manufactured by Wagner Spray Tech Corporation (Wagner), is warranted against defects in material and workmanship for one year following date of purchase if operated in accordance with Wagner's printed recommendations and instructions. This warranty does not cover damage resulting from improper use, accidents, user's negligence or normal wear. This warranty does not cover any defects or damages caused by service or repair performed by anyone other than a Wagner Authorized Service Center.

ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS LIMITED TO ONE YEAR FOLLOWING DATE OF PURCHASE. WAGNER SHALL NOT IN ANY EVENT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, WHETHER FOR BREACH OF THIS WARRANTY OR ANY OTHER REASON. THIS WARRANTY DOES NOT APPLY TO ACCESSORIES.

THIS PRODUCT IS DESIGNED FOR HOME USAGE ONLY. IF USED FOR COMMERCIAL OR RENTAL PURPOSES, THIS WARRANTY APPLIES ONLY FOR 30 DAYS FROM DATE OF PURCHASE.

If any product is defective in material and/or workmanship during the applicable warranty period, return it with proof of purchase, transportation prepaid to any Wagner Authorized Service Center. (Service Center listing is enclosed with this product.) Wagner's Authorized Service Center will either repair or replace the product (at Wagner's option) and return it to you, postage prepaid.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION AND EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

GARANTÍA LIMITADA--EQUIPO DE ATOMIZACIÓN DE PINTURA HVLP

Este producto, fabricado por la Wagner Spray Tech Corporation (Wagner), está garantizado contra defectos de materiales y de mano de obra por un año a partir de la fecha de compra siempre y cuando se utilice de acuerdo con las recomendaciones e instrucciones impresas de Wagner. Esta garantía no cubre daños ocasionados por el uso incorrecto, accidentes, negligencia por parte del usuario o el desgaste normal. Esta garantía no cubre cualquier defecto o daño ocasionado por el servicio o las reparaciones llevadas a cabo fuera de un Centro de Servicio Wagner Autorizado.

CUALQUIER GARANTÍA IMPLÍCITA REFERENTE AL POTENCIAL COMERCIAL O ADAPTABILIDAD PARA UN USO PARTICULAR SE LIMITA A UN AÑO A PARTIR DE LA FECHA DE COMPRA. WAGNER EN NINGÚN CASO SERÁ RESPONSABLE DE CUALQUIER DAÑO DIRECTO O INDIRECTO DE CUALQUIER TIPO, YA SEA POR VIOLACIÓN DE ESTA GARANTÍA O CUALQUIER OTRA RAZÓN. ESTA GARANTÍA NO SE APLICA A LOS ACCESORIOS.

ESTE PRODUCTO ESTÁ DISEÑADO PARA SER UTILIZADO EN EL HOGAR ÚNICAMENTE. SI SE UTILIZA PARA PROPÓSITOS COMERCIALES O DE ALQUILER, ESTÁ GARANTÍA ES VÁLIDA ÚNICAMENTE DURANTE 30 DÍAS A PARTIR DE LA FECHA DE COMPRA.

Si cualquier producto está defectuoso con respecto a los materiales o mano de obra, regréselo porte pagado junto con el recibo de compra a cualquier Centro de Servicio Wagner Autorizado (la lista de Centros de Servicio se adjunta con este producto). El Centro de Servicio Wagner Autorizado reparará o reemplazará el producto (a la discreción de Wagner) y se lo regresará porte pagado.

ALGUNOS ESTADOS, DEPARTAMENTOS O PROVINCIAS NO PERMITEN LIMITACIONES EN CUANTO AL PERÍODO DE VALIDEZ DE UNA GARANTÍA IMPLÍCITA NI LA EXCLUSIÓN DE DAÑOS DIRECTOS O INDIRECTOS. POR LA TANTO, LA LIMITACIÓN Y LA EXCLUSIÓN ANTERIOR PUEDEN NO APLICARSE A USTED.

ESTA GARANTÍA LE OTORGA DERECHOS LEGALES ESPECÍFICOS Y USTED TAMBIÉN PUEDE TENER OTROS DERECHOS QUE VARIAN DE UNA LOCALIDAD A OTRA.