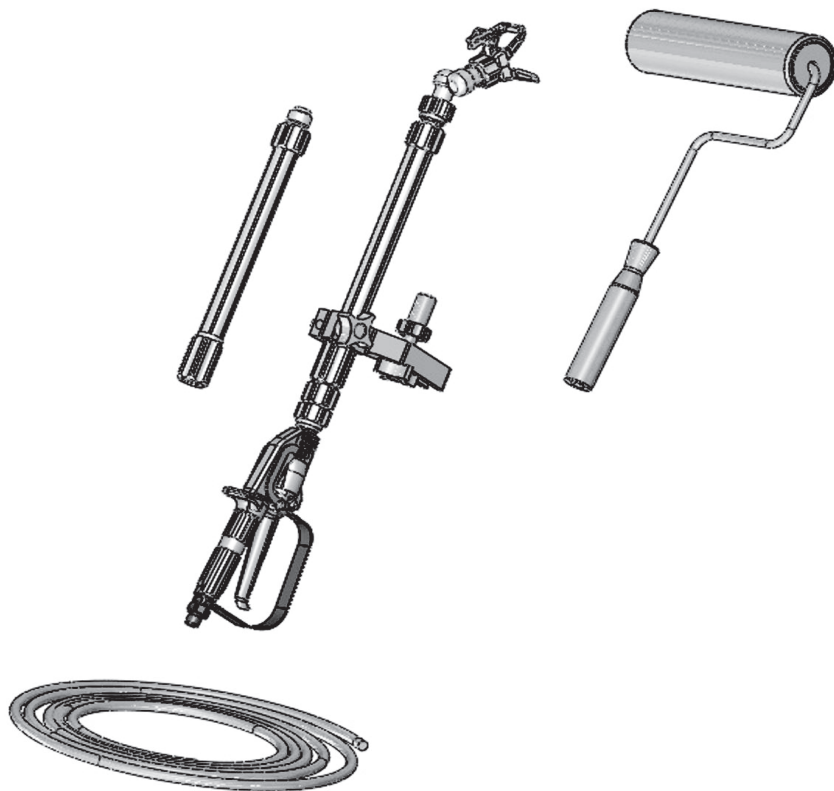


OWNER'S MANUAL

UNIVERSAL SPRAY ROLLER

For TRAINED, PROFESSIONAL USE ONLY!

Maximum Working Pressure:
3600 PSI - 245 BAR - 24.5 Mpa



PATENT PENDING
ROLLER FRAME NOT INCLUDED

106-425 Universal Spray Roller Kit Complete
(includes gun)

106-420 Universal Spray Roller Only (no gun)

!! SAFETY and OPERATING INSTRUCTIONS INSIDE !!
Read all warnings and safe operating information inside
SAVE THIS MANUAL FOR FUTURE REFERENCE

WARNING

Keep clear of nozzle

Do not exceed maximum working pressure.

Safety Precautions

WARNING

HAZARD: Injection injury - A high pressure stream produced by this equipment can pierce the skin and underlying tissues, leading to a serious injury and possible amputation. See a physician immediately.

DO NOT TREAT AN INJECTION INJURY AS A SIMPLE CUT!

Injection can lead to amputation. See a physician immediately.

The maximum operating range of the gun is 3600 PSI / 245 bar fluid pressure.

PREVENTION:

- **NEVER** aim the gun at any part of the body.
- **NEVER** allow any part of the body to touch the fluid stream. **DO NOT** allow body to touch a leak in the fluid hose.
- **NEVER** put hand in front of the gun. Gloves will not provide protection against an injection injury.
- **ALWAYS** lock the gun trigger, shut the pump off, and release all pressure before servicing, cleaning the tip or guard, changing tip, or leaving unattended. Pressure will not be released by turning off the motor. The PRIME/SPRAY valve must be turned to PRIME to relieve the pressure. Refer to the **PRESSURE RELIEF PROCEDURE** described in the pump manual.
- **ALWAYS** keep the tip guard in place while spraying. The tip guard provides some protection but is mainly a warning device.
- **ALWAYS** remove the spray tip before flushing or cleaning the system.
- The paint hose can develop leaks from wear, kinking and abuse. A leak can inject material into the skin. Inspect the hose before each use.
- **NEVER** use a spray gun without a trigger lock and trigger guard in place and in good working order.
- All accessories must be rated at or above the maximum operating pressure range of the airless sprayer. This includes spray tips, guns, extensions, and hose.

NOTE TO PHYSICIAN:

Injection into the skin is a traumatic injury. It is important to treat the injury as soon as possible. **DO NOT DELAY** treatment to research toxicity. Toxicity is a concern with some coatings injected directly into the blood stream. Consultation with a plastic surgeon or reconstructive hand surgeon may be advisable.

HAZARD: EXPLOSION OR FIRE - Solvent and paint fumes can explode or ignite. Severe injury and/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 electricity sparks, electrical appliances, flames, pilot lights, hot objects, and sparks from connecting and disconnection power cords or working light switches.
- Do not smoke in spray area.
- Fire extinguisher must be present and in good working order.
- Place pump at least 25 feet (7.6m) away from the spray object in a well ventilated area (add more hose if necessary). Flammable vapors are often heavier than air. Floor area must be extremely well ventilated. The pump may contain arcing parts that emit sparks and can ignite vapors.

- The equipment and objects in and around the spray area must be properly grounded to prevent static sparks.
- Use only conductive or grounded high pressure fluid hose. Gun must be grounded through hose connections.
- Power cords must be connected to a grounded circuit.- Always flush unit into a separate metal container, at low pump pressure, with spray tip removed. Hold gun firmly against side of container to ground container and prevent static sparks.
- Follow the material and solvent manufacturer's warnings and instructions.
- Use extreme caution when using materials with a flashpoint below 70° F (21° C). Flashpoint is the temperature that a fluid can produce enough vapors to ignite.
- Plastic can cause static sparks. Never hang plastic to enclose a spray area. Do not use plastic drop cloths when spraying flammable materials.
- Use lowest possible pressure to flush equipment.

HAZARD: EXPLOSION HAZARD DUE TO INCOMPATIBLE MATERIALS - will cause severe injury or property damage.

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.
- Always disconnect the motor from the power supply before working on the 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 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 pump manufacturer.
- Before each use, check all hoses for cuts, leaks, abrasion or bulging of cover. Check for damage or movement of couplings. Immediately replace the hose if any of these conditions exist. Never repair a paint hose. Replace it with another grounded high-pressure hose.
- All hoses, swivels, guns, and accessories must be pressure rated at or above the maximum operating pressure range of the airless sprayer.
- Do not spray outdoors on windy days.
- Wear clothing to keep paint off skin and hair.

The following are general WARNINGS related to the setup, use, grounding, maintenance and repair of this equipment.

⚠ WARNING

FIRE AND EXPLOSION HAZARD

Flammable fumes, such as solvents and paint fumes, in work area can ignite or explode. To help prevent fire and explosion:

- Use equipment only in well ventilated area.
- Eliminate all ignition sources; such as pilot lights, cigarettes, portable electric lamps, and plastic drop clothes (potential static arc.).
- Keep work area free of debris, including solvent, rags and gasoline.
- Sprayers generate sparks. When flammable liquid is used in or near sprayer or for flushing or cleaning, keep sprayer at least 20 feet (6m) away from explosive vapors.
- Do not plug or unplug power cords or turn lights on or off when flammable fumes are present.
- Ground equipment and conductive objects in work area.
- If there is static sparking or you feel a shock, **stop operating immediately**. Do not use equipment until you identify and correct the problem.
- Keep a fire extinguisher in the work area.

SKIN INJECTION HAZARD

High pressure fluid from spray gun, hose leaks or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can cause amputation.

Seek immediate surgical treatment.

- Do not point gun at anyone or any part of the body.
- Do not put your hand over the spray tip.
- Do not stop or deflect leaks with your hand, body, glove or rag.
- Do not spray without tip guard and trigger guard installed.
- Engage trigger lock when not spraying.
- Follow pressure relief procedure for your sprayer when you stop spraying and before cleaning, checking or servicing your equipment.

EQUIPMENT MISUSE HAZARD

Misuse can cause death or serious injury.

- Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See the technical data in all equipment manuals.
- Use fluids and solvents that are compatible with your equipment wetted parts. See technical data in all equipment manuals. Read fluid and solvent manufacturer's warnings. For complete information about your material, request MSDS from your distributor or retailer.
- Check your equipment daily. Repair or replace worn or damaged parts immediately with genuine TriTech replacement parts only.
- Do not alter or modify equipment.
- Use equipment only for its intended purpose. Call TriTech for more information.
- Route hoses and cables away from traffic areas, sharp edges, moving parts and hot surfaces.
- Do not kink or overbend hoses or use hoses to pull equipment.
- Keep children and animals away from work area.
- Comply with all applicable safety regulations.
- Do not operate equipment when fatigued or under the influence of drugs or alcohol.

PRESSURIZED ALUMINUM PARTS HAZARD

Do not use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in this equipment. Such use could result in a serious chemical reaction, with the possibility of explosion, which could cause death, serious injury and/or substantial property damage.

El siguiente texto contiene ADVERTENCIAS generales acerca de la instalación, uso, conexión a tierra, mantenimiento y reparación de este equipo.

⚠ADVERTENCIA

PELIGRO DE INCENDIO Y EXPLOSIÓN

Vapores inflamables, como por ejemplo, vapores de solventes y pintura en el área de trabajo pueden inflamarse o explotar. Para evitar incendios y explosiones:

- Utilice el equipo únicamente en una área bien ventilada.
- Elimine todas las fuentes de combustión, como por ejemplo, luces piloto, cigarrillos, lámparas eléctricas portátiles y cubiertas de plástico (arcos estáticos potenciales).
- Mantenga limpia el área de trabajo, sin solventes, trapos ni gasolina.
- La pistola genera chispas. Al utilizarse un líquido inflamable en la pistola o cerca de ella o para lavarla o limpiarla, manténgala a una distancia mínima de 6 metros de vapores explosivos.
- No enchufe ni desenchufe cables de alimentación ni encienda o apague las luces al trabajar con vapores inflamables.
- Conecte a tierra el equipo y objetos conductores en el área de trabajo.
- Si hay indicios de formación de electricidad estática o si siente una descarga, deje de trabajar inmediatamente y no utilice el equipo hasta haber identificado y corregido el problema.
- Tenga a mano un extintor de incendios en el área de trabajo.

PELIGRO DE INYECCIÓN

El líquido a alta presión procedente de la pistola, de fugas de la manguera o de componentes rotos puede penetrar la piel. Quizá parezca sólo un corte, pero se trata de una lesión grave, que puede llevar a la amputación de un miembro.

Procure atención médica inmediata.

- No apunte nunca la pistola hacia alguien o alguna parte del cuerpo.
- No coloque la mano sobre la boquilla de la pistola.
- No intente bloquear ni desviar fugas con la mano, el cuerpo, los guantes o con un trapo.
- No pulverice sin tener instalado el portaboquillas y el protector del gatillo.
- Trabe el seguro del gatillo cuando no pulveriza.
- Siga las instrucciones de descompresión al dejar de pulverizar y antes de limpiar, revisar o reparar el equipo.

PELIGRO POR UTILIZACIÓN INCORRECTA DEL EQUIPO

La utilización incorrecta puede provocar lesiones graves o mortales.

- No exceda la presión máxima de trabajo o el régimen de temperatura del componente de menor capacidad del sistema. Consulte la información técnica en todos los manuales del equipo.
- Utilice líquidos y solventes compatibles con las piezas húmedas del equipo. Consulte la información técnica en todos los manuales del equipo y lea las advertencias del fabricante acerca de líquidos y solventes. Para obtener información completa acerca del material en cuestión, solicite del distribuidor o revendedor una Ficha de datos de seguridad.
- Revise el equipo a diario. Repare o cambie de inmediato las piezas gastadas o dañadas, únicamente por piezas de repuesto originales de TriTech.
- No altere ni modifique el equipo.
- Utilice el equipo únicamente para los fines a los que está destinado. Para más información, póngase en contacto con TriTech.
- Aleje mangueras y cables de áreas de tráfico, bordes filosos, piezas en movimiento y superficies calientes.
- No retuerza ni doble las mangueras, ni las utilice para arrastrar el equipo.
- Mantenga niños y animales alejados del área de trabajo.
- Respete las normas de seguridad vigentes.
- No utilice el equipo si está fatigado o bajo la influencia de drogas o alcohol.

PELIGRO DE PIEZAS DE ALUMINIO A PRESIÓN

No utilice en el equipo 1,1,1-tricloroetano, cloruro de metileno y otros solventes o líquidos de hidrocarburos halogenados que contengan dichos solventes. Se trata de sustancias que pueden provocar una reacción química peligrosa con posibilidad de explosión, que podría causar la muerte, lesiones graves o ingentes daños materiales.

Les mises en garde suivantes sont des MISES EN GARDE de sécurité relatives à la configuration, l'utilisation, la mise à la terre, la maintenance et la réparation de ce matériel.

▲ MISE EN GARDE

DANGER D'INCENDIE ET D'EXPLOSION

Les vapeurs inflammables, vapeurs de solvants et de peinture par exemple, sur le lieu de travail peuvent s'enflammer ou exploser. Pour prévenir un incendie ou une explosion:

- N'utiliser l'équipement que dans des locaux bien ventilés.
- Supprimer toutes les sources de feu, telles que les veilleuses, cigarettes, lampes électriques portatives et bâches plastiques (risque de décharge d'électricité statique).
- Veiller à débarrasser la zone de travail de tout résidu, comme les solvants, les chiffons et l'essence.
- Les pulvérisateurs produisent des étincelles. En cas d'utilisation de liquide inflammable dans ou près du pulvérisateur ou encore pour rincer ou nettoyer, tenir le pulvérisateur à un minimum de 20 ft (6 m) des vapeurs explosives.
- Ne pas brancher ni débrancher de cordons d'alimentation électrique ni allumer ou éteindre la lumière en présence de vapeurs inflammables.
- Raccorder le matériel et les objets conducteurs se trouvant dans la zone de travail à la terre.
- Si l'on remarque la moindre étincelle d'électricité statique ou si l'on ressent une décharge électrique, arrêter le travail immédiatement. Ne pas utiliser le matériel tant que le problème n'a pas été identifié et résolu.
- La présence d'un extincteur est obligatoire dans la zone de travail.

DANGERS D'INJECTIONS

Le produit s'échappant à haute pression du pistolet, d'une fuite sur le flexible ou d'un composant défectueux risque de transpercer la peau. La blessure peut avoir l'aspect d'une simple coupure, mais il s'agit en fait d'une blessure sérieuse pouvant entraîner une amputation.

Consulter immédiatement un médecin en vue d'une intervention chirurgicale.

- Ne pas pointer le pistolet vers une personne ou une partie quelconque du corps.
- Ne pas mettre la main devant la buse de projection.
- Ne jamais colmater ou dévier les fuites avec la main, le corps, un gant ou un chiffon.
- Ne pas pulvériser sans garde-buse ni sous-garde.
- Verrouiller la gâchette à chaque arrêt de la pulvérisation.
- Suivre la procédure de décompression de ce manuel à chaque interruption de pulvérisation et avant le nettoyage, la vérification ou l'entretien du matériel.

DANGER EN CAS DE MAUVAISE UTILISATION DE L'EQUIPEMENT

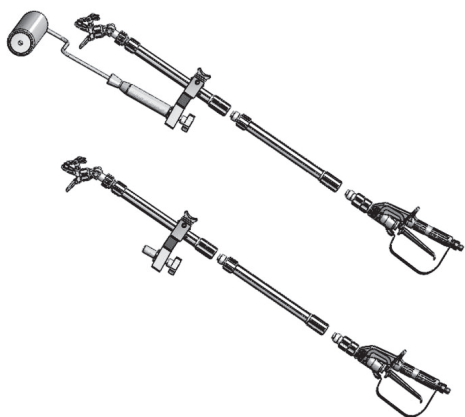
Toute mauvaise utilisation du matériel peut provoquer des blessures graves, voire mortelles.

- Ne pas dépasser la pression ou température de service maximum spécifiée de l'élément le plus faible du système. Voir les Caractéristiques techniques de tous les manuels de l'appareil.
- Utiliser des produits et solvants compatibles avec les pièces en contact avec le produit. Voir les Caractéristiques techniques de tous les manuels de l'appareil. Lire les mises en garde du fabricant de produit et de solvant. Pour plus d'informations sur votre produit, demandez la fiche de sécurité produit à votre distributeur ou revendeur de produit.
- Vérifier le matériel quotidiennement. Réparer ou remplacer immédiatement toutes les pièces usées ou endommagées uniquement par des pièces d'origine TriTech.
- Ne pas modifier cet équipement.
- N'utiliser ce matériel que pour l'usage auquel il est destiné. Pour plus de renseignements, appelez votre distributeur TriTech.
- Ecarter les flexibles et câbles électriques des zones de circulation, des bords coupants, des pièces en mouvement et des surfaces chaudes.
- Ne pas plier ni trop cintrer les flexibles ni les utiliser pour tirer l'équipement.
- Tenir les enfants et les animaux à l'écart de la zone de travail.
- Se conformer à toutes les règles de sécurité applicables.
- Ne pas utiliser l'appareil si l'on est fatigué ou sous l'influence de drogue ou d'alcool.

RISQUES DUS AUX PIÈCES EN ALUMINIUM SOUS PRESSION

N'utiliser ni 1,1,1-trichloréthane, ni chlorure de méthylène, ni solvants à base d'hydrocarbures halogénés, ni produits contenant de tels solvants dans un appareil sous pression en aluminium. L'utilisation de ces produits risque de déclencher une violente réaction chimique avec risque d'explosion pouvant provoquer de graves dommages matériels et corporels pouvant entraîner la mort.

HOW TO OPERATE



Two 18" poles are included.

Longer pole attachments for high to reach places are also available. Poles can be combined to a length of 12 feet or more

Attach gun to included 5 ft whip hose. Use wrenches to snug fittings.

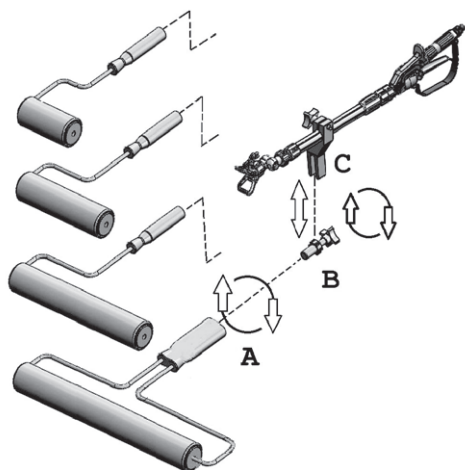
Before you spray, read your paint sprayer instructions and warnings. Follow instructions as directed.

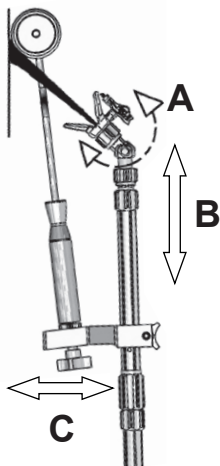
For best results, spray between 1000 to 1500 psi. Spray at lowest pressures to get desired results.

Use most any "off-the-shelf" paint roller; any width or any nap cover.

Simple assembly: thread Roller Handle (A) into Roller Handle Adapter (B) and slide it onto the slot in the Slide Block (C). Tighten the Roller Handle Adapter (B) with the threaded Knob.

Note: A good starting place would be to tighten the Roller Handle Adapter (B) halfway into the slot (nearer to the pole gives better balance).

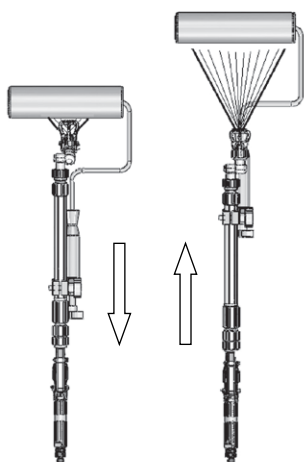




For best results adjust Swivel Head position "A" to spray under the roller.

Paint Roller can be moved up (further from tip) or down (closer to tip) as shown in "B" direction via Slide Block Clamp that slides on the pole.

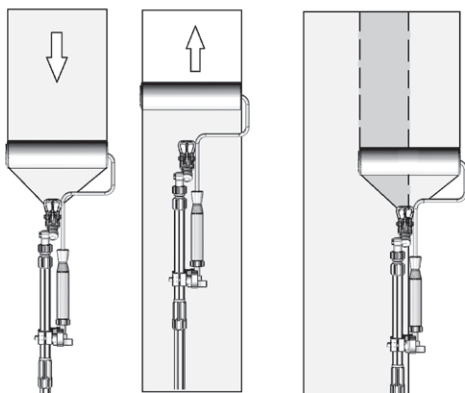
Roller distance from surface to spray tip also can be adjusted further or closer as shown via distance "C" for desired position to the surface.



Quickly trigger once to check the pattern which should be no wider than the roller.

To achieve a **narrow pattern**, move the tip closer to the roller by moving Slide Block down.

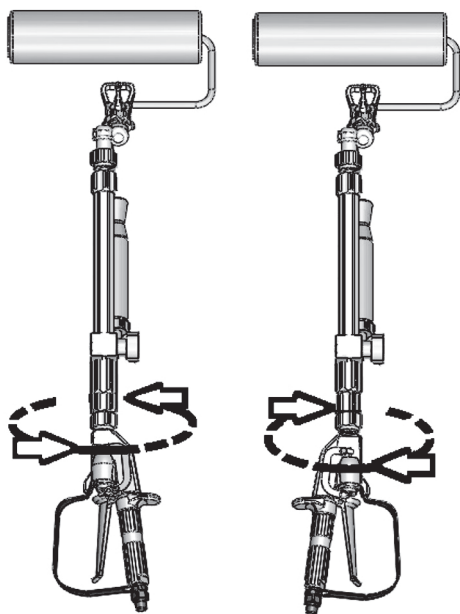
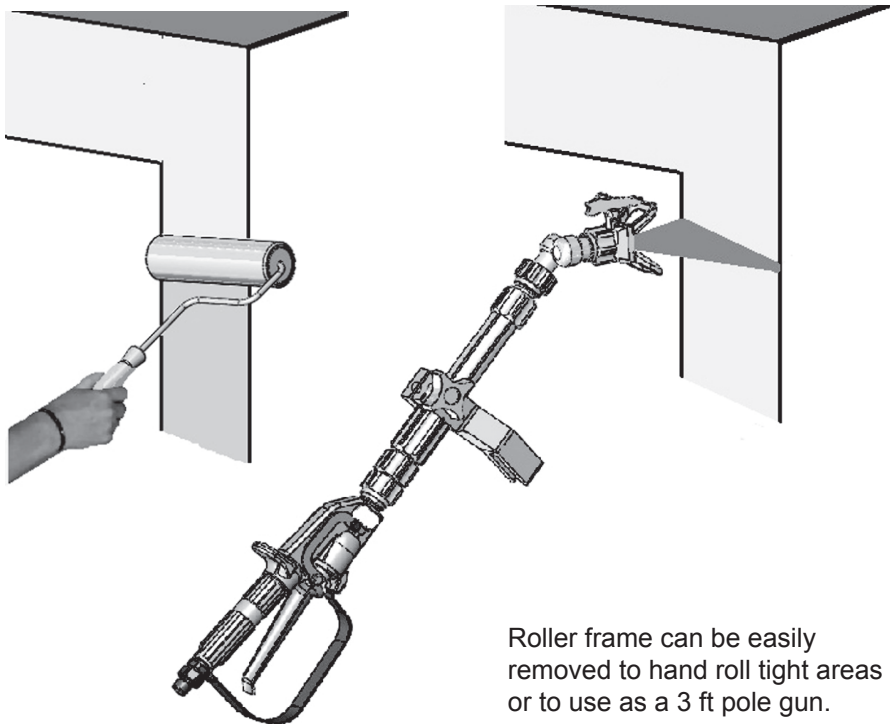
To achieve a **wide pattern**, move tip further from the roller by moving Slide Block up.



Spray on the downstroke.
Stop spraying at midpoint.

Back roll on the upstroke.

For best results overlap the pattern about 50%.



Inline swivel between the gun and the pole allows for 360 degree gun handle movement while spray rolling.

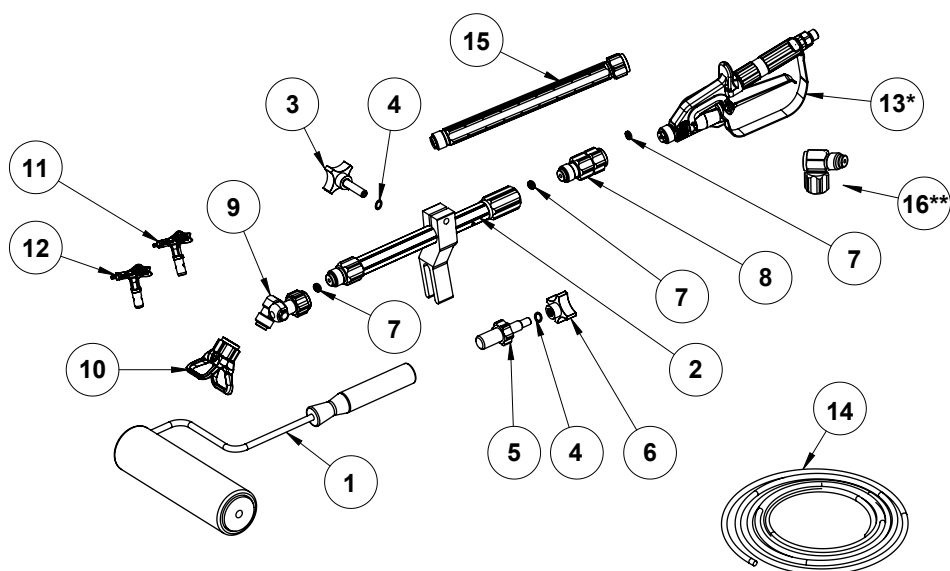
Aides movability in tight places and near floors and baseboards.

ASSEMBLY INSTRUCTIONS

1. Remove Universal Spray Roller from package.
2. If needed, attach 18" Pole Extension (15) to Spray Roller Pole Assembly (2). No tools are required. Sealing Gaskets (7) are already in place. (Sealing Gaskets (7) provided in place in Spray Roller Pole Assembly (2), Pole Swivel (8) and Swivel Head (9).
3. Attach Pole Swivel (8) to Spray Roller Pole Assembly (2) or 18" Pole Extension (15) if used.
4. Attach Swivel Head (9) to Spray Roller Pole Assembly (2).
5. Attach T370-IL Inline Spray Gun (13) to Pole Swivel (8)
6. Attach Tip and seal (11 or 12) along with Guard (10) to Swivel Head (9)
7. Attach Whip Hose (14) to T370-IL Inline Spray Gun (13), then attach your spray hose to the Whip Hose (14). Tighten with wrench(s).
8. Attach your roller frame to Roller Handle Adapter (5) and tighten. Insure alignment and set distance to make sure pattern is below roller cover.

Depending on the coating being applied, and the length and nap of roller cover being used, select the correct tip from the chart below. Chart is based on 1/2" nap roller cover. If you are using 3/4" or larger, it is recommended you increase the orifice size to apply more coating to match the higher nap cover.

Roller Length	Tip Size	Roller Nap
9"	717	1/2"
12"	717	1/2"
14"	1223	1/2"
18"	1223	1/2"



Item	Part#	Description	Qty
1	NOT INCLUDED	USE MOST ANY "OFF THE SHELF" ROLLER HANDLE AND SLEEVE OF YOUR CHOICE 6" to 18" WIDE	0
2	106-408	SPRAY ROLLER POLE ASSEMBLY	1
3	106-415	KNOB SLIDE BLOCK	1
4	106-417	WASHER	2
5	106-409	ROLLER HANDLE ADAPTER	1
6	106-411	KNOB	1
7	101-406	SEALING GASKET	3
8	501-352	POLE SWIVEL (INCL. 1pc of item 7)	1
9	101-515	SWIVEL HEAD	1
10	200-999	GUARD ONLY	1
11	200-717	TIP & SEAL 717 REVERSABLE (FOR 9" TO 12" ROLLER APPLICATIONS)	1
12	203-1223	TIP & SEAL 1223 REVERSABLE (FOR 14" TO 18" ROLLER APPLICATIONS)	1
13	502-150	T370-IL INLINE SPRAY GUN	1*
14	400-120	WHIP HOSE 3/16" x 5 FT	1
15	106-020	18" POLE EXTENSION	1
16	106-041	90° ANGLE ADAPTER	1**

*Included only with item 106-425, Universal Spray Roller Kit Complete.

**Included only with item 106-420, Universal Spray Roller Only

LIMITED WARRANTY

TriTech Industries, Incorporated (TriTech) warrants that at the time of original receipt, purchase and/or delivery to the original purchaser for use, the product(s) covered by this warranty is/are free from defects in the material and workmanship in its manufacture. With the exception of any special, limited, or extended warranty published by TriTech, TriTech's obligation under this warranty is limited to repairing without charge or replacing those parts which, to TriTech's reasonable satisfaction, are shown to be defective within twelve (12) months after sale to the original purchaser. This warranty applies only when the product is installed and operated in accordance with the instructions of TriTech.

This warranty does not apply in the case of damage or wear caused by abrasion, corrosion or misuse, negligence, accident, faulty installation, substitution of non-TriTech component parts, or tampering with the product in a manner that will or has impair(ed) normal operation.

Defective parts must to be returned to an authorized sales or service company or TriTech. All transportation and/or shipping charges, including return to the factory, if necessary, are the responsibility of the original purchaser. Repaired or replaced products will be returned to the original purchaser with transportation and/or shipping charges prepaid by TriTech.

THERE IS NO OTHER EXPRESSED WARRANTY. TRITECH HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES INCLUDING, BUT NOT LIMITED TO, THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TO THE EXTENT PERMITTED BY LAW. THE DURATION OF ANY IMPLIED WARRANTIES WHICH CANNOT BE DISCLAIMED IS LIMITED TO THE TIME PERIOD SPECIFIED IN THE EXPRESS WARRANTY. IN NO CASE SHALL TRITECH'S LIABILITY EXCEED THE AMOUNT OF THE PURCHASE PRICE. LIABILITY FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES UNDER ANY AND ALL WARRANTIES IS EXCLUDED TO THE EXTENT PERMITTED BY LAW.

All data and information, both written and visual, communicated in the manual represents the current and latest information available at the time this document was printed or posted. TriTech Industries, Incorporated reserves the right to make changes and update information at any time and without notice.



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Owner's Manual Part Number:
302-142