

**Topic: TREMstop Acrylic SP Spray Specifications and Instructions**

**Release Date: 07/15/2004**

**For more information, contact the Technical Service Department at 866-209-2404.**

**Sprayer Specification:**

<b>Sprayer</b>	<b>Description</b>	<b>Graco PN</b>
GRACO <sup>®</sup> Model	Ultra <sup>®</sup> Max II 795 Hi-Boy Premium	248032
Motor/amps	2.0 hp/15 Amps	
Max GPM (LPM)	0.95 (3.6)	
Max PSI (bar) <b>(note 1)</b>	3,300 (227)	
Max tip size (.031" max rated)	.029" max using TREMstop Acrylic SP	
Spray Gun	Contractor II <sup>®</sup>	246220 (included)
Airless Hose	¼" (I.D.) x 50 ft	240794 (included)

**Required Equipment:**

HandTite tip guard <b>(note 2)</b>	RAC <sup>®</sup> 5 (orange)	243161
Spray tip (4" fan width)	0.021" orifice (black)	286221

**Optional Equipment:**

Whip Hose	¼" (I.D.) x 6 ft	238383
Spray tips <b>(note 3,4)</b> (4" fan width)	0.019"/0.23" orifice (black)	286219/286223
Max allowed (14" fan width)	0.029" orifice (black)	286729
Spray Gun	Silver plus <sup>®</sup>	246240
Extension Cord <b>(note 5)</b>	12 AWG (min) x 150 ft (max) 10 AWG (min) for longer distances	

**Notes:**

1. Maximize the life of the sprayer tips and equipment by using the lowest pressure (PSI) setting that provides the desired spray pattern.
2. The RAC<sup>®</sup> X Tip Guard and 517 spray tip that ship with the unit are not compatible with the TREMstop Acrylic SP. The RAC 5 tip guard and large size tips are required and ordered separately.
3. The 286221 tip produces acceptable spray results at normal temperatures. Low temperature applications may require larger orifice tips. (ie. 286223 and above)
4. If spray widths larger than 4" are required, larger orifices should be used to optimize the spray results. Under no circumstances should the orifice exceed .029"
5. The sprayer requires approximately 15 amps of current to properly operate. A dedicated circuit may be required for this purpose.

**Graco Technical Service 800-543-0339**

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**Initial set up:**

1. Remove the sprayer from the packaging and set up the equipment following the GRACO manual supplied with the equipment.

**Note:** Keep two adjustable crescent wrenches on hand for tightening and loosening connections

2. Do not install the RAC 5 HandTite tip guard or spray tip until instructed in next section.

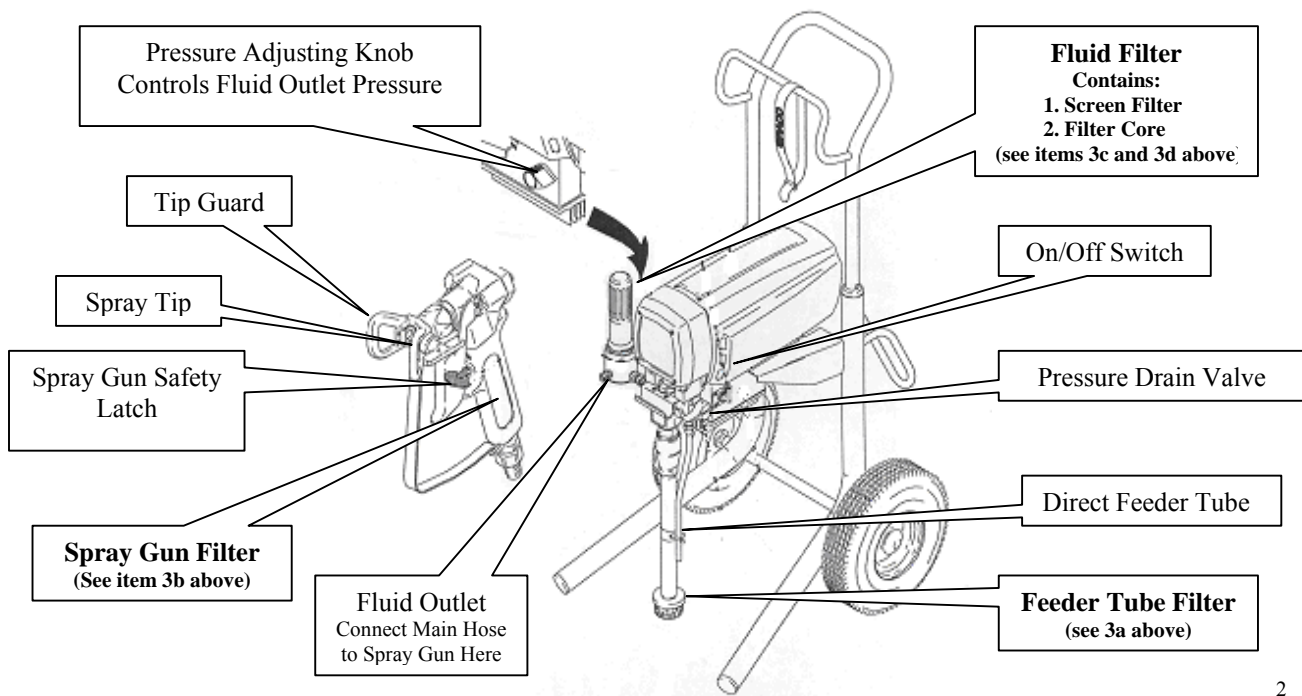
3. Prior to usage, the following **four filter items must be removed for proper spraying** of the TREMstop Acrylic SP. (See figure below for location of item a thru d)

- a. Feeder Tube Filter – located on end of feeder tube.
- b. Gun Filter – located in handle of Contractor II spray guns only
- c. Screen Filter – located in Fluid Filter.
- d. Filter Core – located in Fluid Filter

**Note:** Failure to remove these components will significantly reduce the available pressure of the sprayer and may result in poor coverage of the TREMstop Acrylic SP material.

4. The equipment is now ready to be primed following the instructions on the next page.

**GRACO Ultra Max II 795 Hi-Boy Premium Sprayer**  
Component Function and Identification



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**Priming Procedure:**

1. Read the manufacturer's instructions prior to use and observe all safety warnings and precautions.
2. This procedure requires a 5 gallon pail of clean water and one empty 5 gallon pail.
3. Verify the 15 amps of AC service is available. (may require a dedicated circuit).
4. Verify the HandTite tip guard and spray tip are removed.
5. Verify all four filters are removed.
6. Verify all hose connections on the sprayer and fluid filter are tightened.
7. Place direct feeder tube and drain hose into a 5 gallon pail of clean water.
8. Open the pressure drain valve (downward position) located on the fluid filter (water will circulate from the direct feeder tube and out of the drain hose).
9. Turn pressure knob to minimum setting.
10. Turn on the sprayer.
11. Increase pressure until sprayer starts (about 2,000 psi).
12. Run sprayer until clean water comes from the drain hose.
13. Turn pressure knob to minimum setting.
14. Close the pressure drain valve (horizontal position) located on the fluid filter (water will circulate from the direct feeder tube through the pump).
15. Increase pressure until sprayer starts (about 2,000 psi).
16. Place spray gun momentarily into the pail of water and pull the trigger until clean water discharges from gun into the pail.
17. Turn pressure knob to minimum setting.
18. Pump is now primed with water and ready to be primed with the TREMstop Acrylic SP.
19. Open the pressure drain valve (downward position) located on the fluid filter (material will circulate from the direct feeder tube and out of the drain hose).
20. Place the intake tube into 5 gallon pail of TREMstop Acrylic SP. The discharge hose stays in the water.  
**Note:** Do not to allow any water to mix with the TREMstop Acrylic SP material. Contact Tremco technical services if this occurs.
21. Increase pressure until sprayer starts (about 2,000 psi).
22. Run sprayer until TREMstop Acrylic SP comes from the discharge hose into the pail of water.
23. Turn pressure knob to minimum setting.
24. Close the pressure drain valve (horizontal position) located on the fluid filter (material will circulate from the direct feeder tube through the pump).
25. Discharge hose may now be placed into 5 gallon pail of TREMstop Acrylic SP.
26. Insert tip guard and spray tip unto the spray gun.
27. Increase pressure until sprayer starts (about 2,000 psi).
28. Trigger the spray gun into an empty pail until the discharge is only TREMstop Acrylic SP.  
**Note Injection hazard:** Fluid under high pressure can be injected through the skin and cause serious injury. Refer to manufacturer's instructions for pressure relief procedure.
29. Begin spraying with the minimum possible pressure to obtain the desired spray pattern.
30. See the section on spraying tips for optimum performance.
31. See clean up procedure when complete.

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**Clean-up Procedure:**

1. Clean up requires two 5 gallon pails of warm, soapy water (mild liquid dish soap such as Dove<sup>®</sup>), a 5 gallon pail of warm clean water and a 5 gallon empty pail.
2. Turn pressure knob to minimum setting.
3. Remove the HandTite tip guard and spray tip.
4. Thoroughly clean the HandTite tip guard and spray tip (including orifice) with mineral spirits or Xylene and wash with water to obtain maximum performance for next usage.
5. Place direct feeder tube into 5 gallon pail of warm soapy water (use all 10 gallons of warm soapy water in steps 5 to 15 to thoroughly clean the spray equipment) .
6. Place drain hose into 5 gallon empty pail.
7. Close the pressure drain valve (horizontal position) located on the fluid filter (water will circulate from the direct feeder tube through the pump).
8. Turn on the sprayer.
9. Increase pressure until sprayer starts (about 2,000 psi).
10. Place spray gun momentarily into the empty pail and pull the trigger until clean water discharges from gun into the pail .
11. Turn pressure knob to minimum setting.
12. Open the pressure drain valve (downward position) located on the fluid filter (water will circulate from the direct feeder tube and out of the drain hose).
13. Increase pressure until sprayer starts (about 2,000 psi).
14. Run sprayer until clean water comes from the drain hose.
15. Turn pressure knob to minimum setting .
16. Repeat steps 7 – 16 using the 5 gallon pail of warm clean water.
17. Place direct feeder tube, spray gun and drain hose into 5 gallon empty pail.
18. Increase pressure until sprayer starts (about 2,000 psi).
19. Close the pressure drain valve (horizontal position) located on the fluid filter (water will circulate from the direct feeder tube through the pump).
20. Drain all water out of gun and hose.
21. Open the pressure drain valve (downward position) located on the fluid filter (water will circulate from the direct feeder tube and out of the drain hose).
22. Turn on sprayer and drain all water out of direct feeder tube, drain hose and pump .
23. Turn off sprayer .

**Note:** all water needs to be removed from gun, hose, pump, direct feeder tube, and the drain hose after each use to prevent corrosion. Never leave the pump pressurized.

**Monthly clean up and Storage Procedure:**

1. Between projects or at least once a month, flush the gun, hose, pump, direct feeder tube, and the drain hose completely with Xylene<sup>®</sup> following the above procedures for optimum spray pump performance and to prevent corrosion and build up of latex acrylic inside the pump.
2. Drain the Xylene from the gun, hose, pump, direct feeder tube, and the drain hose completely.
3. Prior to use with the TREMstop Acrylic SP flush the sprayer with water to eliminate solvent from the system .

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**Application Tips:**

1. The best tip size and pressure setting will vary depending on the conditions and application medium. Part numbers 286219, 286221 or 286223 with a 2,000 psi pressure setting will work for joints less than 3” wide and under most conditions and application medium.
2. Crater looking patterns (ie pock marks) can be reduced, and uniform coverage achieved by:
  - a. Applying material in one slow even pass.
  - b. Using large orifice sizes with smaller fan widths (ie. #286223)
3. Spray material with approx. 2,000 psi by adjusting the pressure knob as required.
4. Insufficient voltage can cause low head pressure, preventing the material from spraying evenly. Verify the following:
  - a. Find an outlet with nothing else powered from the circuit. (ie a dedicated circuit)
  - b. Verify the circuit provides a minimum of 15 amps @ 120 Volts
  - c. Verify the extension cord meets the necessary 10 or 12 awg.
5. Material stored and applied in low temperature extremes can affect the performance. Try these tips if spraying under this condition is necessary.
  - a. Increase orifice size, decrease fan width
  - b. Store material in a warm place for 12 – 24 hours prior to use.
  - c. Place the material in a warm place prior to use, such as the cab of a truck in the sun.
  - d. Keep material off cold surfaces, such as concrete. Set pails on scraps of insulation.
  - e. Build a hot box to warm the material: Place the material (on a scrap of insulation) under a cardboard box with a safe heat source such as a utility light.

**TREMstop Acrylic SP Information:**

- a. TREMstop Acrylic SP is a high performance, sprayable, acrylic latex firestopping sealant for use in passive firestopping systems.
- b. One gallon yields 12.833 sq ft or 1848 sq in. assuming a 1/8” wet application thickness. Please refer to the application information section of the TREMCO Product & Systems Guide for coverage amounts based upon joint widths.
- c. The shelf-life of TREMstop Acrylic SP is 1 year.
- d. The material does not need to be mixed prior to use. During shipping, small amounts of latex may rise to the surface of the pail and appear as a bluish patina or small blue spots on the surface of the material. This is normal and will not affect the performance of the material.
- e. If you wish to report a possible problem with the material, please have the information itemized below available when you contact your Tremco Sales Representative or Tremco distributor. This information is located on the color label.
  - a. Problem that is being reported.
  - b. Product Number – large numbers in center of label, below color (eg. 903874 805)
  - c. Batch Number – six digit number located at bottom-right corner of label (eg. 341553)
  - d. Date Code – letter/number located at bottom-left corner of label (eg. K/3)

For a complete listing of our systems, visit [www.tremcosealants.com](http://www.tremcosealants.com)

5