

INSTRUCTIONS—PARTS LIST



308-210

Rev. A

This manual contains IMPORTANT
WARNINGS AND INSTRUCTIONS
READ AND RETAIN FOR REFERENCE

H.E.L.P. 1600 GUN

REMOTE FAN VALVE KIT

Part No. 224-909

WARNING

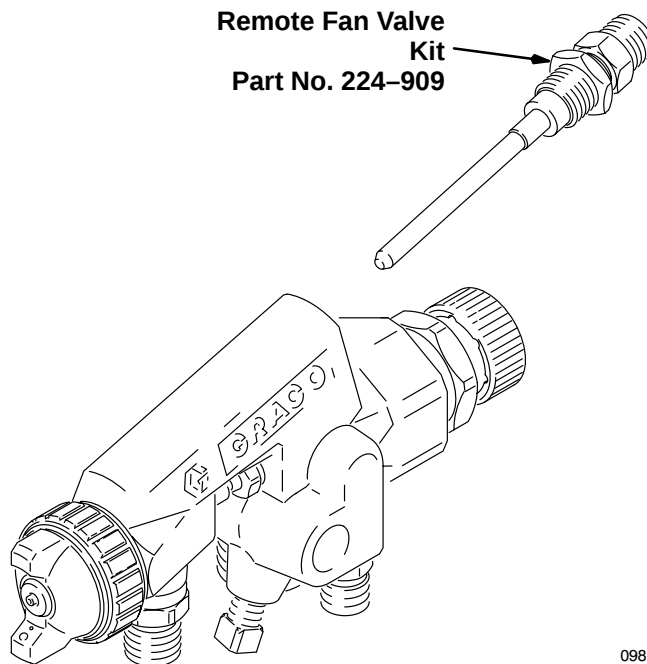
Pressure Relief Procedure

To reduce the risk of serious bodily injury, including splashing in the eyes or on the skin, follow this procedure before installing the kit.

1. Turn off the air and fluid supply to the gun.
2. Trigger the gun into a grounded metal waste container to relieve air and fluid pressure.

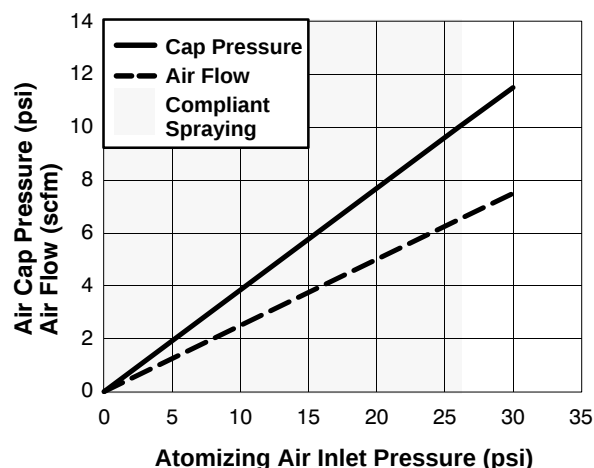
1. Follow the **Pressure Relief Procedure Warning**, at left.
2. Remove the gun's standard fan adjusting valve.
3. Install the remote fan valve kit.
4. Connect an air line to the valve's 1/4-18 npsm fitting.
5. Refer to the graphs below and the *Typical Spray Pattern Size* information on the back of this sheet to set the fan air line pressure for the desired pattern.

Remote Fan Valve
Kit
Part No. 224-909



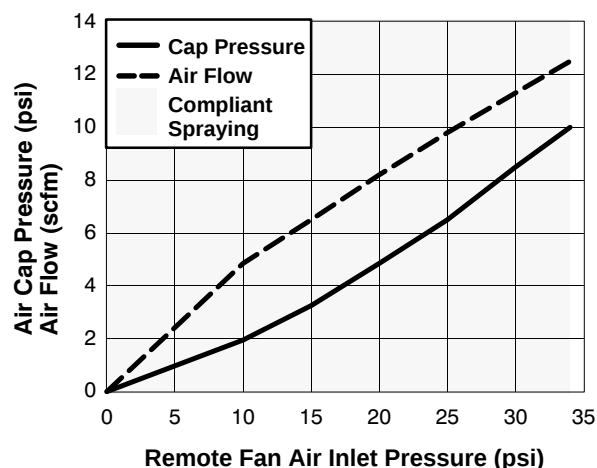
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Atomization Pressure and Air Flow



NOTE: Maximum atomizing air inlet pressure for compliant spraying is 26 psi (1.8 bar)

Horn Pressure and Air Flow



NOTE: Maximum remote fan air inlet pressure for compliant spraying is 34 psi (2.3 bar)

GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441

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Typical Spray Pattern Size

Testing Parameters:

Atomizing inlet air pressure set to give maximum compliant air cap pressure of 10 psi (0.70 bar). Remote fan inlet pressure is varied up to the maximum compliant pressure level.

Fluid Used: White enamel at 23 sec. #3 shell

Fluid Flow Rate: 315 cc/min.

Nozzle Size: 0.070 inch (1.8 mm)

Fan Air Inlet Pressure <i>psi (bar)</i>	Pattern Length <i>inches (mm)</i>
10 (0.70)	6.75 (171.45)
15 (1.05)	9.50 (241.30)
20 (1.40)	11.75 (298.45)
25 (1.75)	14.50 (368.30)
30 (2.10)	17.50 (444.50)
34 (2.35)	18.50 (469.90)

THE GRACO WARRANTY AND DISCLAIMERS

WARRANTY

Graco warrants all equipment manufactured by it and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor to the original purchaser for use. As purchaser's sole remedy for breach of this warranty, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment proven defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for, any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility with Graco equipment of structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor and transportation.

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THE TERMS OF THIS WARRANTY CONSTITUTE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND ARE IN LIEU OF ANY OTHER WARRANTIES (EXPRESS OR IMPLIED), INCLUDING WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY NON-CONTRACTUAL LIABILITIES, INCLUDING PRODUCT LIABILITIES, BASED ON NEGLIGENCE OR STRICT LIABILITY. EVERY FORM OF LIABILITY FOR DIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES OR LOSS IS EXPRESSLY EXCLUDED AND DENIED. IN NO CASE SHALL GRACO'S LIABILITY EXCEED THE AMOUNT OF THE PURCHASE PRICE. ANY ACTION FOR BREACH OF WARRANTY MUST BE BROUGHT WITHIN TWO (2) YEARS OF THE DATE OF SALE.

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IMPORTANT PHONE NUMBERS

TO PLACE AN ORDER, contact your Graco distributor, or call Graco: **1-800-328-0211 Toll Free**

FOR TECHNICAL ASSISTANCE, service repair information or answers about the application of Graco equipment, call: **1-800-543-0339 Toll Free**

Factory Branches: Atlanta, Chicago, Dallas, Detroit, Los Angeles, West Caldwell (N.J.)

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