



GRACO

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Rev. C
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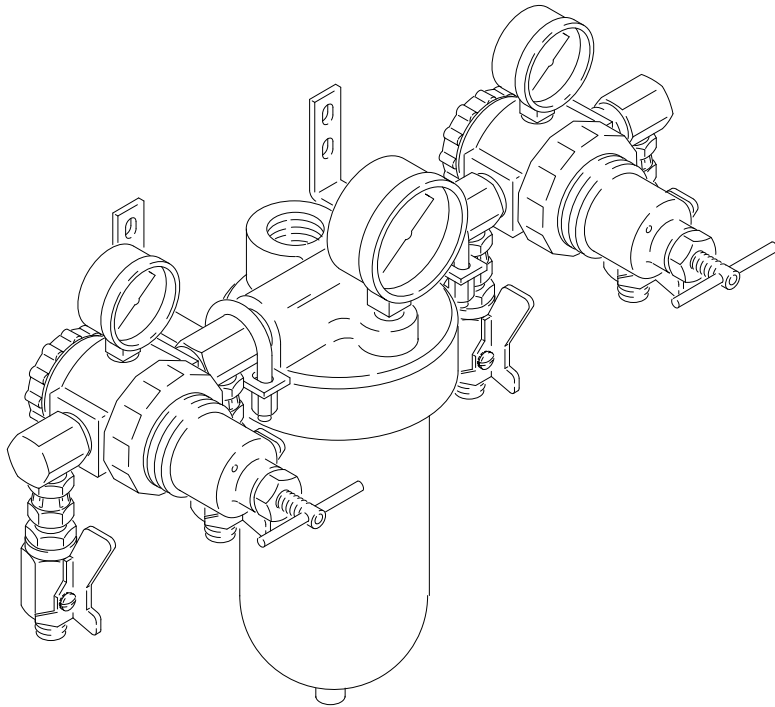
INSTRUCTIONS

This manual contains important
warnings and information.
READ AND KEEP FOR REFERENCE.

Filter-Regulator Assembly

Model 217-075

200 psi (1.4 MPa, 14 bar) Maximum Working Pressure



7642A

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

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Table of Contents

Warnings	2
Installation	3
Operation	3
Service	4
Accessory Automatic Drain	4
Parts	5
Dimensions	6
Graco Warranty	8
Graco Phone Number	8

Symbols

Warning Symbol



This symbol alerts you to the possibility of serious injury or death if you do not follow the instructions.

Caution Symbol



This symbol alerts you to the possibility of damage to or destruction of equipment if you do not follow the corresponding instructions.

! WARNING



EQUIPMENT MISUSE HAZARD

Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in a serious injury.

- This equipment is for professional use only.
- Read all instruction manuals, tags, and labels before operating the equipment.
- Use the equipment only for its intended purpose. If you are uncertain about usage, call your Graco distributor.
- Do not alter or modify this equipment. Use only genuine Graco parts and accessories.
- Check the equipment daily. Repair or replace worn or damaged parts immediately.
- Do not exceed the maximum working pressure of the lowest rated system component. This equipment has a **125 psi (0.9 MPa, 9 bar) maximum working pressure**.
- Route the hoses away from the traffic areas, sharp edges, moving parts, and hot surfaces. Do not expose Graco hoses to temperatures above 180°F (82°C) or below -40°F (-40°C).
- Use fluids or solvents that are compatible with the equipment wetted parts. See the **Technical Data** section of all the equipment manuals. Read the fluid and solvent manufacturer's warnings.
- Wear hearing protection when operating this equipment.
- Comply with all applicable local, state and national fire, electrical and other safety regulations.



PRESSURIZED EQUIPMENT HAZARD

Spray from the gun, hose leaks, or ruptured components can splash fluid in the eyes or on the skin and cause serious injury.

- Do not stop or deflect fluid leaks with your hand, body, glove, or rag.
- Follow the **Pressure Relief Procedure** in your separate equipment manuals whenever you: are instructed to relieve the pressure; stop spraying; clean, check, or service the equipment; and install or clean the fluid nozzle.
- Tighten all the fluid connections before operating the equipment.
- Check the hoses, tubes, and couplings daily. Replace worn, damaged, or loose parts immediately. Permanently coupled hoses cannot be repaired; replace the entire hose.

Installation

Mount the filter-regulators in a convenient location, near the equipment it is to serve. Mark and drill two 1/4 in. (6 mm) holes in the wall. The Dimensional Drawing of the filter-regulator is given on page 6. Fasten the filter-regulator to the wall with the brackets (2) and 1/4 in. bolts.

A bleed-type master shutoff valve should be installed in the air line between the filter-regulator and the source of the air supply.

Operation

Graco wall mounted air filter-regulators are designed to assure delivery of accurately controlled, clean, dry air to the spray guns and other air operated equipment. Two regulated air outlet valves (A) permit the use of two spray guns at separate pressures. See Fig. 1. Line pressure air is available through the two outlet valves (B).

The air pressure can be adjusted at the regulators (1) from 0–125 psi (0–0.9 MPa, 0–9 bar). The air inlet (C) to the filter-regulator is 1/2 npt female. See Fig. 2. The four shut-off valve outlets (A & B) have an individual 1/4 npt male thread.

Regulate the air pressure by turning the handles of the regulators clockwise for higher pressure, and counter-clockwise for lower pressure.



CAUTION

Do not exceed 125 psi (0.9 MPa, 9 bar) regulated pressure. Pressures higher than 125 psi (9 bar) could damage the gauge (3).

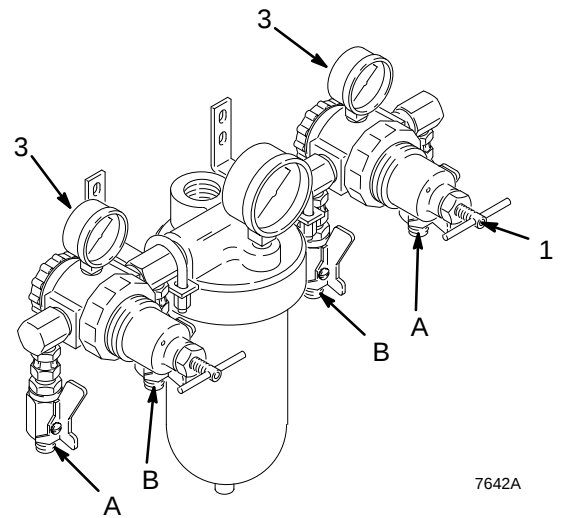
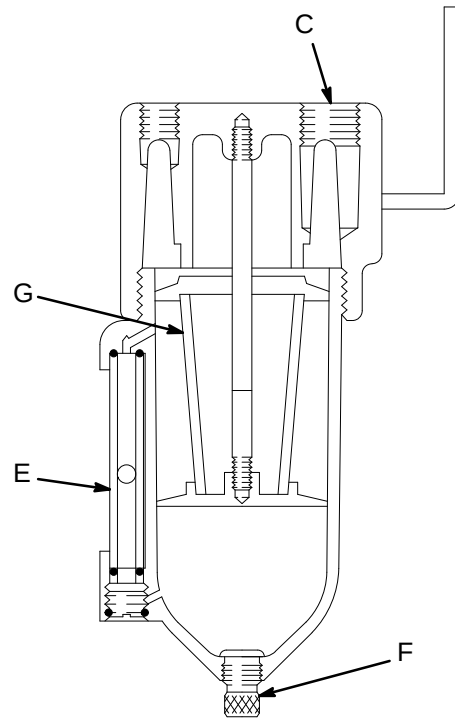


Fig. 1

Service

Drain the water and oil daily or when level first appears in the sight tube (E) by opening the drain cock (F) (clockwise to open) with the air turned OFF.

Check the filter element (G) regularly. Schedule cleaning by the amount of use and the condition of the air supply and the air supply lines. Replace the filter element if it is contaminated, or if a pressure drop is noticed.



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Fig. 2

Accessory Automatic Drain

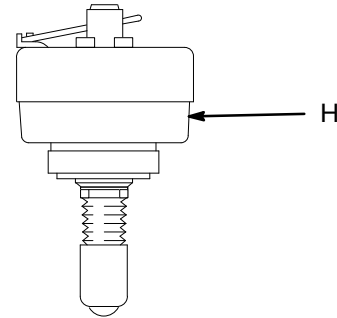
WARNING

Make sure the air pressure to the filter-regulator is off prior to the installation of the automatic drain.

An Accessory Automatic Drain (Part No. 106-151) is available for this assembly.

As water is accumulated in the bottom of the filter bowl, the float assembly (H) is lifted off its seat, allowing the water to drain from the filter automatically. See Fig. 3.

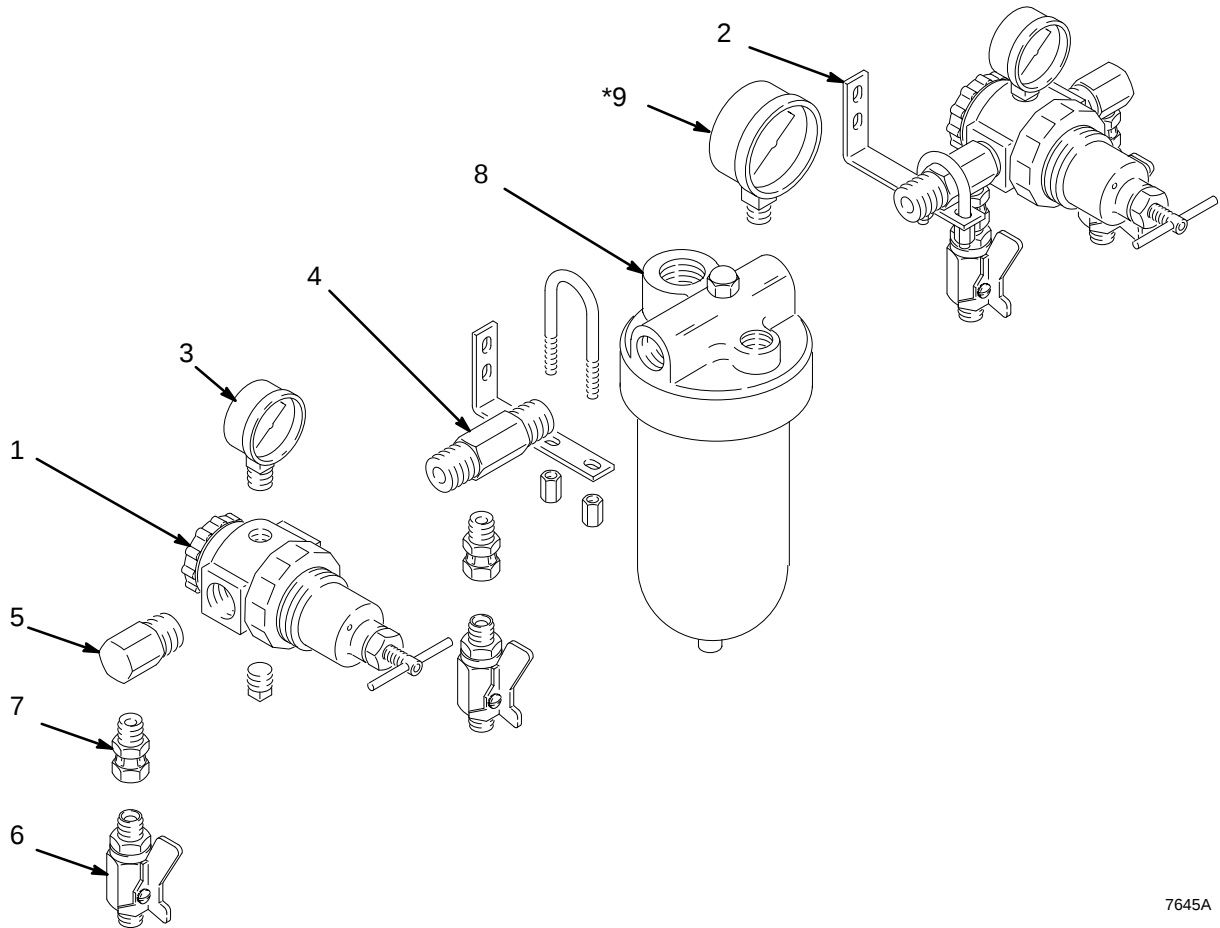
Install the automatic drain by unscrewing the lower filter housing from the upper filter housing, and drain cock from the lower filter housing.



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Fig. 3

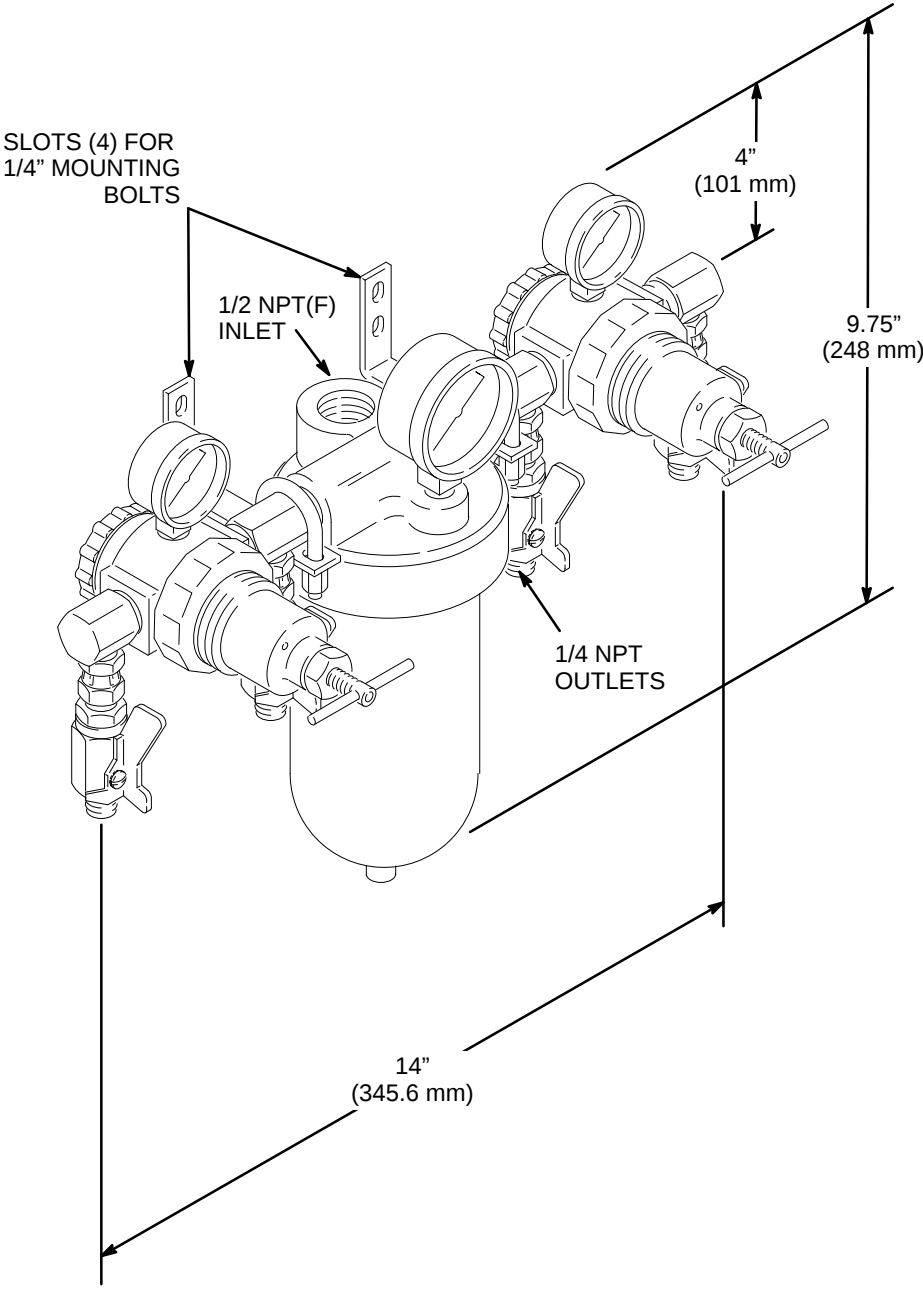
Parts



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Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	104-267	REGULATOR, air; 0-125 psi (0-0.9 MPa, 0-09 bar); 1/2 npt(fbe) See instruction manual 307-204	2	7	156-823	UNION, swivel; 1/4 npt(m) x 1/4 (f)	4
2	106-145	BRACKET, mounting	2	8	217-074	FILTER, air; 1/2 npt(fbe), 40 micron element, 8 oz; Includes item 9	1
3	160-430	PRESSURE GAUGE, air; 100 psi (0.7 MPa, 7 bar); 1/4 npt	2	9*	100-960	PRESSURE GAUGE 0-200 psi (0-1.4 MPa, 0-14 bar), 1/4 npt(m)	1
4	161-821	NIPPLE, 1/2 npt(mbe) x 1/4 npt (f)	2	<i>* Sold separately.</i>			
5	166-999	ELBOW, street, reducing; 1/2 npt(m) x 1/4 npt(f)	2				
6	208-390	BALL VALVE, 500 psi (3.5 MPa, 35 bar); 1/4 npt mbe; See manual 307-068	4				

Dimensions



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[illegible]

Graco Warranty

Graco warrants all equipment listed in this manual which is manufactured by Graco 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. With the exception of any special extended or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be 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 general wear and tear, or 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 of Graco equipment with 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.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

GRACO MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN CONNECTION WITH ACCESSORIES, EQUIPMENT, MATERIALS OR COMPONENTS SOLD BUT NOT MANUFACTURED BY GRACO. These items sold, but not manufactured by Graco (such as electric motors, gas engines, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

FOR GRACO CANADA CUSTOMERS

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Graco Phone Number

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you:
1-800-367-4023 Toll Free.

*All written and visual data contained in this document reflects the latest product information available at the time of publication.
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Sales Offices: Minneapolis, Detroit, Los Angeles
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