

Grease Dispense Valve

3A4657D

EN

For high pressure grease dispense. For professional use only.

Model No. 129581, Series A, 1/4 npt Fluid Inlet

Model No. 129582, Series A, 1/4-19 bspp Fluid Inlet

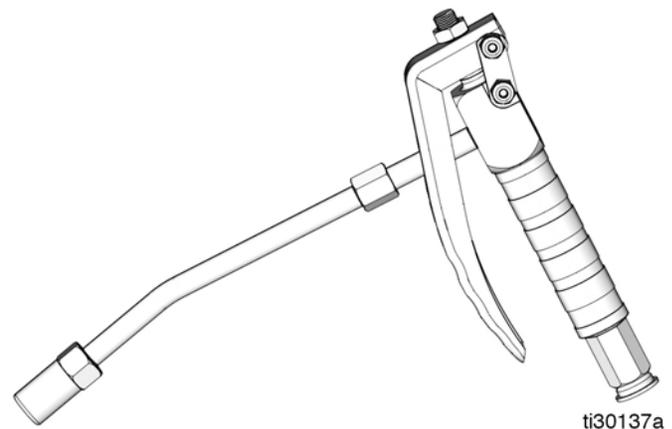
Model No. 129583, Series A, 1/4-19 bspt Fluid Inlet

7500 psi (51.7 MPa, 517 bar) Maximum Working Pressure



Important Safety Instructions

Read all warnings and instructions in this manual.
Save these instructions.



Warnings

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbols refer to procedure-specific risks. When these symbols appear in the body of this manual or on warning labels, refer back to these Warnings. Product-specific hazard symbols and warnings not covered in this section may appear throughout the body of this manual where applicable.

 <h1 style="margin: 0;">WARNING</h1>	
	<p>EQUIPMENT MISUSE HAZARD</p> <p>Misuse can cause death or serious injury.</p> <ul style="list-style-type: none"> • Do not operate the unit when fatigued or under the influence of drugs or alcohol. • Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See Technical Data in all equipment manuals. • Use fluids and solvents that are compatible with equipment wetted parts. See Technical Data in all equipment manuals. Read fluid and solvent manufacturer's warnings. For complete information about your material, request Safety Data Sheet (SDS) from distributor or retailer. • Turn off all equipment and follow the Pressure Relief Procedure when equipment is not in use. • Check equipment daily. Repair or replace worn or damaged parts immediately with genuine manufacturer's replacement parts only. • Do not alter or modify equipment. Alterations or modifications may void agency approvals and create safety hazards. • Make sure all equipment is rated and approved for the environment in which you are using it. • Use equipment only for its intended purpose. Call your distributor for information. • Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces. • Do not kink or over bend hoses or use hoses to pull equipment. • Keep children and animals away from work area. • Comply with all applicable safety regulations.
  	<p>SKIN INJECTION HAZARD</p> <p>High-pressure fluid from dispensing device, hose leaks, or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. Get immediate surgical treatment.</p> <ul style="list-style-type: none"> • Do not point dispensing device at anyone or at any part of the body. • Do not put your hand over the fluid outlet. • Do not stop or deflect leaks with your hand, body, glove, or rag. • Follow the Pressure Relief Procedure when you stop dispensing and before cleaning, checking, or servicing equipment. • Tighten all fluid connections before operating the equipment. • Check hoses and couplings daily. Replace worn or damaged parts immediately.



WARNING

**TOXIC FLUID OR FUMES HAZARD**

Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.

- Read Safety Data Sheet (SDS) to know the specific hazards of the fluids you are using.
- Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.

**PERSONAL PROTECTIVE EQUIPMENT**

Wear appropriate protective equipment when in the work area to help prevent serious injury, including eye injury, hearing loss, inhalation of toxic fumes, and burns. Protective equipment includes but is not limited to:

- Protective eyewear, and hearing protection.
- Respirators, protective clothing, and gloves as recommended by the fluid and solvent manufacturer.

Set Up

Pressure Relief Procedure



Follow the Pressure Relief Procedure whenever you see this symbol.



This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection, splashing fluid and moving parts, follow the Pressure Relief Procedure when you stop dispensing and before cleaning, checking, or servicing the equipment.

1. Close the supply pump's bleed-type master air valve (required in pneumatic systems).
2. Open the dispensing valve until pressure is fully relieved.
3. Open the fluid drain valve at the pump fluid outlet. Leave the drain valve open until you are ready to use the system again.
4. If you suspect the dispensing valve, extension, or grease fitting coupler is clogged, or the pressure has not been fully relieved after following the previous steps,
 - a. **VERY SLOWLY** loosen the coupler or hose end coupling to gradually relieve pressure.
 - b. Loosen the coupler or coupling completely.
 - c. Clear the clog.

Pump

The grease pump must have a filter installed at its outlet to ensure the control valve always receives a clean supply of grease.

Dispense Valve Installation



For the following instructions, refer to FIG. 1, page 5).

1. Relieve Pressure as described in the Pressure Relief Procedure provided in this manual.
2. Apply thread sealant such as PTFE tape or Loctite® to the threads on extension tube (G) and valve outlet (D) to ensure a leak-proof connection.
3. Connect the extension tube (G) and coupler (H) to the valve outlet (D).
4. Apply thread sealant such as PTFE tape or Loctite® to the threads of a (user supplied) Z-swivel, the outlet hose and the valve inlet (E) to ensure a leak-proof connection.

NOTE: A Z-swivel should be used to prevent the high pressure hose from bending and kinking.

5. Install the Z-swivel connector between the valve inlet (E) and the hose.

NOTE: If the hose from the grease pump does not have mating threads, use an adapter to match the two threads.

6. Open the air valve to supply compressed air to the air motor of the grease pump.

The pump starts operating when the trigger of the control valve is squeezed. The pump stops when the trigger is released.

Adjustment

The dispense valve provides positive control of high pressure lubricants. When supplied with air the pump will start when the valve is triggered and stalls against pressure when the trigger is released.



1. Relieve the pressure, see Pressure Relief Procedure.

2. To adjust the flow, loosen the top nut (B) and turn the grub screw (A) in or out as needed.

To increase flow turn the grub screw (A) in.

To reduce grease flow turn the grub screw (A) out.

3. When the adjustment is complete, use a wrench to hold the grub screw (A) in place and a second wrench to tighten the top nut (B), securely.

NOTICE

Take care and do not over-tighten the grub screw (A). Over-tightening the grub screw will cause grease to flow out of the valve when the trigger (F) is not pressed.

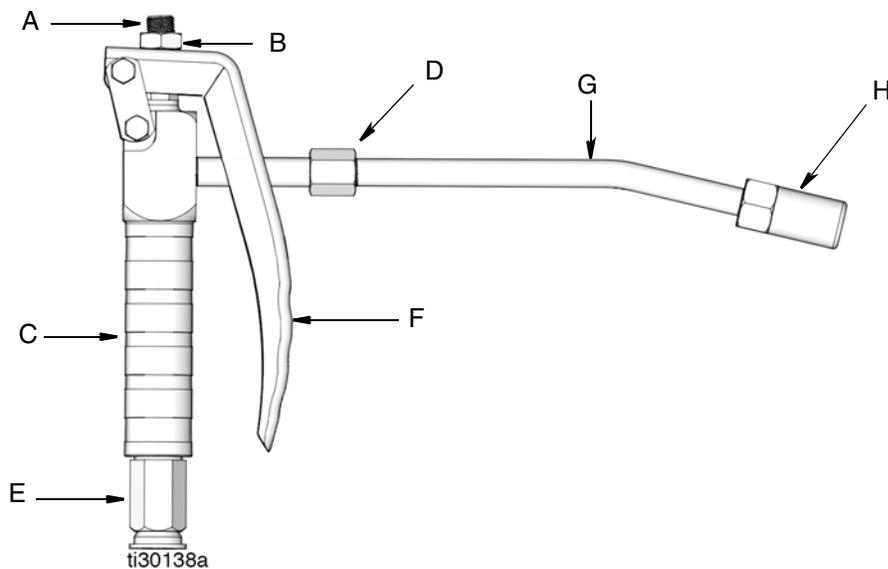


FIG. 1

Key:

- | | |
|----------------------------------|------------------|
| A Grub Screw | E Valve Inlet |
| B Top Nut | F Trigger |
| C Valve Body | G Extension Tube |
| D Valve Outlet (threaded 1/8" F) | H Coupler |

Maintenance

- The grease control valve should be kept clean and checked for damage before each use. The control valve does not have a filter built in. It is important that grease flowing into the valve is clean.
- The valve is not field repairable. If for any reason the valve fails to function, return it to Graco for repair or replacement if it is within the warranty period.

Troubleshooting



Problem	Cause	Solution
Grease Flows without squeezing the trigger	Grub screw (A) (located on top of the valve) has been over-tightened, resulting in the valve being constantly open.	Loosen the grub screw (A) by turning it counter-clockwise. Use a wrench to hold the grub screw (A) in place and a second wrench to tighten the top nut (B), securely.
	Damaged ball (located inside the valve body (C)).	Return the valve to Graco for repair or replacement if it is within the warranty period.
No grease flow when trigger squeezed	Grub screw (A) (located on top of the valve) is loose.	Loosen the top nut (B). Tighten the grub screw (A) by turning it clockwise. Use a wrench to hold the grub screw (A) in place and a second wrench to tighten the top nut (B), securely.
Grease is leaking from the top of the valve	Worn seal inside the valve body (C)	Return the valve to Graco for repair or replacement if it is within the warranty period.

Technical Data

Grease Dispense Valve		
	US	Metric
Maximum fluid working pressure	7500 psi	51.7 MPa, 517 bar
Inlet Size	1/4" npt, bspp, or bspt	
Wetted Parts	Steel, Nitrile Rubber, PTFE	

Loctite® is a registered trademark of the Loctite Corporation.

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale 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.

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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, 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.

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Phone: 612-623-6928 or **Toll Free:** 1-800-533-9655, **Fax:** 612-378-3590

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Original instructions. This manual contains English. MM 3A4657

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