

Enclosed Hose Reel

310667 Rev.A

Model 234730

2000 psi (13.8 MPa, 138 bar) Maximum Working Pressure



Read warnings and instructions.



WARNING

This hose reel is designed to dispense lubrication products, air, water, transmission fluid, anti-freeze, or windshield washer solution only. Any other use of this hose reel can cause unsafe operating conditions and result in component rupture, fire or explosion, which could cause serious bodily injury, including fluid injection.





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Manual Conventions


WARNING



WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

Warnings included in instructions generally have a symbol indicating the hazard. Follow the instructions and read the hazard section on warning pages ___ to ___ for additional information.

CAUTION
CAUTION indicates a potentially hazardous situation which, if not avoided, may result in property damage or destruction of equipment.


Note





A note indicates additional helpful information.

Warnings

The following warnings include general safety information for this equipment. More specific warnings are included in the text where applicable.






WARNING

INJECTION HAZARD

High-pressure fluid from dispense valve, 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 medical attention.**

- Do not point dispense valve at anyone or at any part of the body.
- Do not put your hand over the end of the dispense nozzle.
- Do not stop or deflect leaks with your hand, body, glove, or rag.
- Follow **Pressure Relief Procedure** in this manual, when you stop spraying and before cleaning, checking, or servicing equipment.

 WARNING	
	<p>EQUIPMENT MISUSE HAZARD</p> <p>Misuse can cause death or serious injury.</p> <ul style="list-style-type: none"> • 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. • Check equipment daily. Repair or replace worn or damaged parts immediately. • Do not alter or modify equipment. • For professional use only. • Use equipment only for its intended purpose. Call your Graco distributor for information. • Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces. • Do not use hoses to pull equipment. • Comply with all applicable safety regulations.
	<p>TOXIC FLUID OR FUMES HAZARD</p> <p>Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.</p> <ul style="list-style-type: none"> • Read MSDS's 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.
	<p>MOVING PARTS HAZARD</p> <p>Moving parts can pinch or amputate fingers and other body parts.</p> <ul style="list-style-type: none"> • Keep clear of moving parts. • Do not operate equipment with protective guards or covers removed. • Pressurized equipment can start without warning. Before checking, moving, or servicing equipment, follow the Pressure Relief Procedure in this manual. Disconnect power or air supply.

Installation

As shown in FIG. 1, this reel may be mounted to the ceiling, floor, or wall. The reel has a hose guide roller bracket. The bracket position may be changed depending on the reel mounting position. To adjust the hose guide arm, remove the screws and rotate the guide band, then retighten the screws. For overhead ceiling mounting, install the reel at least 10' (3 m) above the floor.

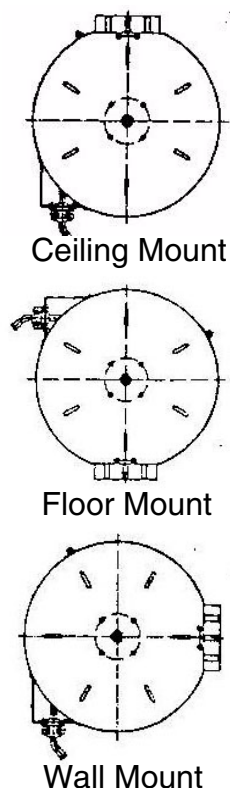


FIG. 1

Recommended Hardware

The reel base has four 1/2" (12.7 mm) mounting holes (see the template on page 7). Use 3/8" (76.2 mm) screws, studs, or bolts and 3/8" (76.2 mm) lock washers to mount the reel in the desired location. Choose screws, studs, or bolts that are long enough to provide secure support for the weight of the reel, hose, fluid, and the stress applied when the hose is pulled.

Mounting

Using the four holes in the reel base mount the reel in the desired location and tighten securely.

Use PTFE tape or pipe sealant to supply line threads. Attach to reel inlet and tighten. The other end of the incoming line can now be connected to the desired supply source.



To avoid damage to the swivel, use a wrench to support the swivel fitting while tightening the hose.

Operation

Check reel for correct operation by slowly pulling out the hose. A clicking sound indicates each half-revolution of the drum.

1. To latch the reel, pull out the hose and allow it to retract after hearing the first, second or third click.
2. To unlatch, slowly pull out the hose until the clicking stops, then let the hose retract until the hose stop rests against the hose guide.



To avoid damage to the reel, always hold on to the hose while it is rewinding. Periodically check the hose for signs of wear or damage and check the swivel fitting for leakage. Replace any worn, damaged or leaking parts.

Adjust Spring Tension



Do not attempt to replace or service the spring except to adjust the tension.

WARNING



Spring is under high tension, do not disassemble spring drum. Serious injury could result.

1. Remove the cover and flange.
2. Pull out approximately 6' (2 m) of hose and allow the drum to latch.
3. Remove the hose stopper from the hose and feed hose back through the guide.
4. Wrap the pulled hose once around the drum to increase tension or unwrap the hose once from the drum to decrease tension.
5. Reinsert the hose through the guide and install stopper to the hose end.
6. Reinstall the flange and cover.
7. Unlatch the drum and check tension.
8. Pull the hose from the reel and adjust stopper position if necessary.

Service

Repair kit 234731 includes a replacement swivel (FIG. 2), a dog spring (FIG. 3), and a hose stop (FIG. 4).

Replace Swivel

1. Turn off and disconnect supply line from swivel inlet.
2. Remove the cover and flange.
3. Remove swivel assembly from reel axle.
4. Remove swivel from end of hose.
5. Use PTFE tape or thread sealant on swivel thread fitting then connect the new swivel thread fitting to axel.
6. Replace swivel assembly on reel axel.
7. Reinstall flange and cover.
8. Reconnect inlet supply line.

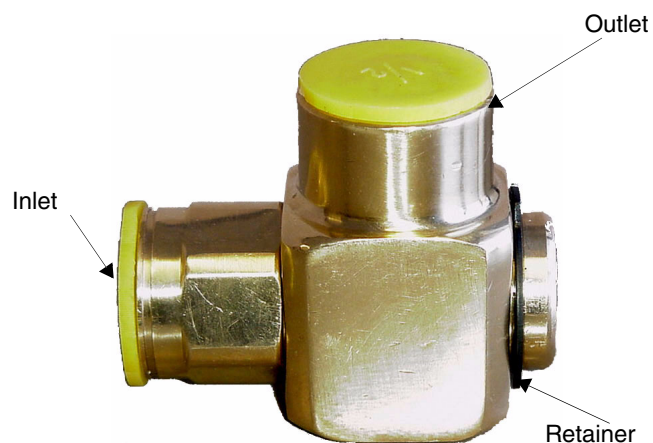


FIG. 2. Swivel



FIG. 3. Dog Spring

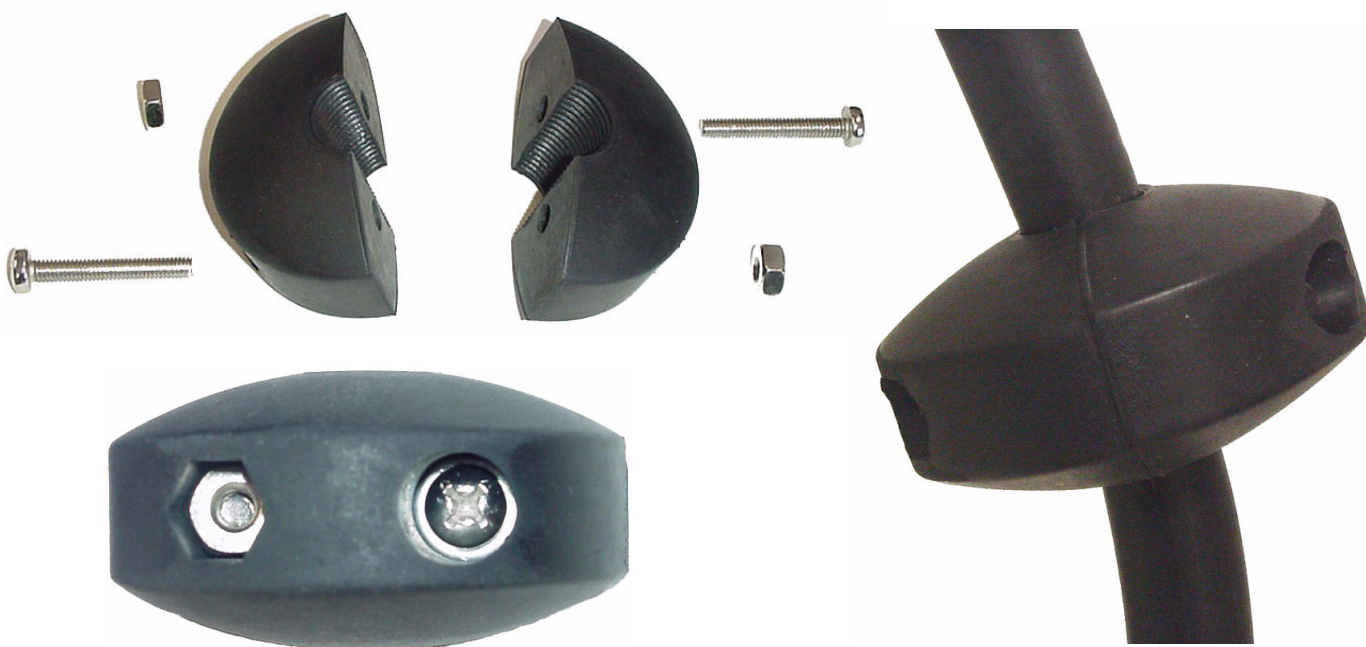
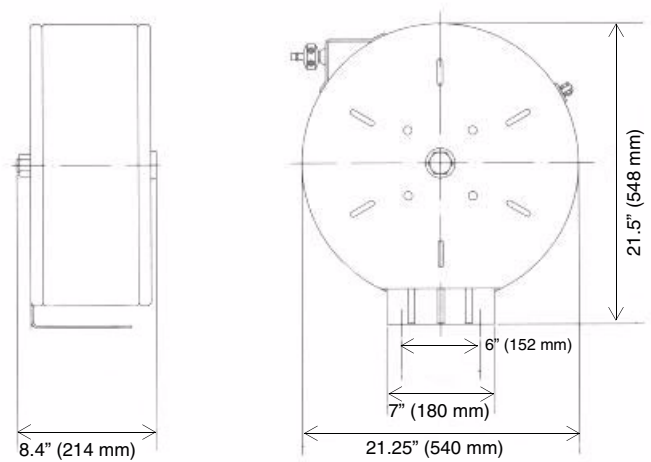


FIG. 4. Hose Stop

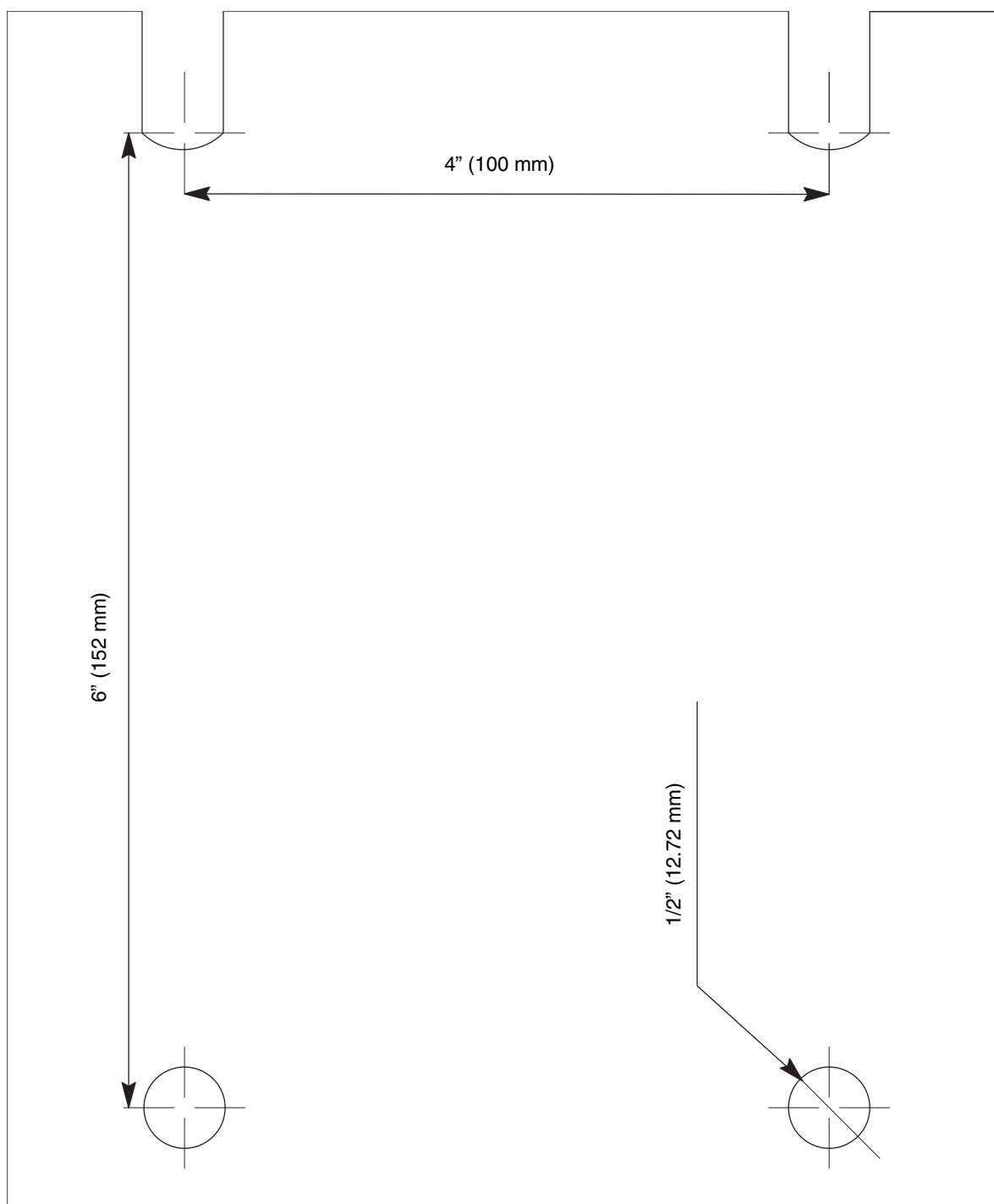
Technical Data

Reel Inlet	1/2 npt(f)
Hose Outlet	1/2 npt(m)
Maximum working pressure	2000 psi (13.8 MpA, 138 bar)
Wetted parts	brass, carbon steel, nitrile rubber
Dry weight	70.5 lbs (32 Kg)
Maximum operating temperature	210° F (100° C)

Dimensions



Mounting Template



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.

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Graco Information

TO PLACE AN ORDER, contact your Graco distributor or call to identify the nearest distributor.

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

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