



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

INSTRUCTIONS

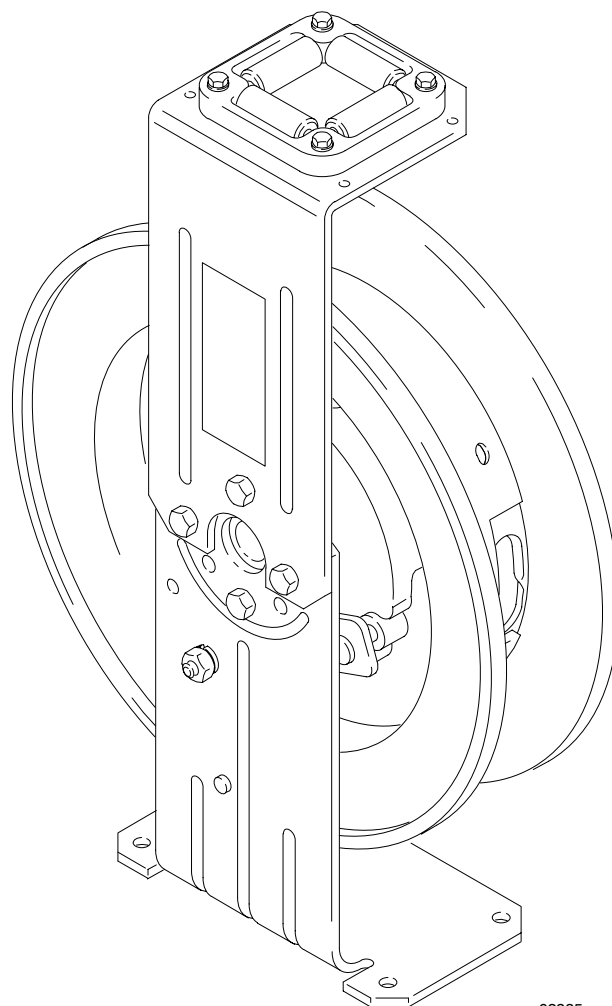
First choice when
quality counts.™

Series 100 Hose Reels

See pages 6 and 7 for hose reel part numbers, descriptions, and maximum working pressures.

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02385

Bare Hose Reel 220018

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 instructions.

WARNING



INSTRUCTIONS

EQUIPMENT MISUSE HAZARD

Equipment misuse can cause the equipment to rupture or malfunction and result in 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 not sure, call your Graco distributor.
- Do not alter or modify this equipment. Use only extensions that are designed for use with your dispensing valve. Modifying parts can cause a malfunction and result in serious bodily injury.
- Check equipment daily. Repair or replace worn or damaged parts immediately.
- Do not exceed the maximum working pressure of the lowest rated system component. The tables on page 6 give the maximum working pressures of the assemblies. The maximum working pressure of your hose reel assembly is indicated on the hose reel identification plate on the reel base. See also the **Technical Data** section on page 23.
- Use fluids and solvents that are compatible with the equipment wetted parts. Refer to the **Technical Data** section of all equipment manuals. Read the fluid and solvent manufacturer's warnings.
- Do not use hoses to pull equipment.
- Route hoses away from traffic areas, sharp edges, moving parts, and hot surfaces. Do not expose hoses to temperatures above 82°C (180°F) or below -40°C (-40°F).
- Do not lift pressurized equipment.
- Comply with all applicable local, state, and national fire, electrical, and safety regulations.
- If you are adding a service hose and dispensing valve to a bare hose reel, be sure you know the maximum working pressure of all the components.
- Never use a low-pressure flexible extension designed for low-pressure dispensing valves or hand-powered lubricating equipment on a medium- or high-pressure dispensing valve.

WARNING



INJECTION HAZARD

Fluid from the dispensing valve, leaks, or ruptured components can inject fluid into your body and cause extremely serious injury, including the need for amputation. Fluid splashed in the eyes or on the skin can also cause serious injury.

- Fluid injected into the skin might look like a minor cut, but it is a serious injury. **Get immediate medical attention.**
- Do not point the dispensing valve at anyone or at any part of the body.
- Do not put your hand or fingers over the dispensing valve nozzle.
- Do not stop or deflect leaks with your hand, body, glove, or rag.
- Follow the **Pressure Relief Procedure** on page 13 if the dispensing valve clogs and before cleaning, checking, or servicing the equipment.
- Tighten all fluid connections before operating the equipment.
- Check the hoses, tubes, and couplings daily. Replace worn or damaged parts immediately. Do not repair medium- or high-pressure couplings; you must replace the entire hose.
- Do not attempt to force lubricant into a fitting. If the lubricant is not flowing, stop dispensing immediately; the fitting may be clogged.



TOXIC FLUID HAZARD

Hazardous fluid or toxic fumes can cause serious injury or death if inhaled, swallowed, splashed in the eyes, or splashed on the skin.

- Know the specific hazards of the fluid you are using.
- Store hazardous fluid in an approved container. Dispose of hazardous fluid according to all local, state, and national guidelines.
- Always wear protective eyewear, gloves, clothing, and a respirator as recommended by the fluid and solvent manufacturer.

WARNING



FIRE AND EXPLOSION HAZARD

Improper grounding, poor ventilation, open flames, or sparks can cause a hazardous condition and result in a fire or explosion and serious injury.

- Be sure the entire fluid system is properly grounded. The hoses supplied with these hose reels are electrically conductive. The hose reel is grounded by connecting electrically conductive supply hoses to a properly grounded system. Refer to your pump instruction manual for complete details.
- If there is any static sparking or you feel an electric shock while using this equipment, **stop dispensing immediately**. Do not use the equipment until you identify and correct the problem.
- Provide fresh air ventilation to avoid the buildup of flammable fumes from solvents or the fluid being dispensed.
- Keep the dispensing area free of debris, including solvent, rags, and spilled gasoline.
- Do not smoke while dispensing flammable fluids.



HOSE REEL SPRING HAZARD

The spring, which is located behind the flange, is always under great tension and could be propelled from the lower flange with enough force to cause serious injury.

- To reduce the risk of serious injury when doing any repair work that exposes you to the spring, be sure to carefully follow the instructions carefully.
- Be sure you understand this procedure in the **Reel Spring** section on page 15 before you continue with the repair work.

Notes

Hose Reel Models

Bare Hose Reel 220018, Series C

With 3/8 in. ID x 15 in. inlet hose. Used in Open Hose Reels, in the chart below.

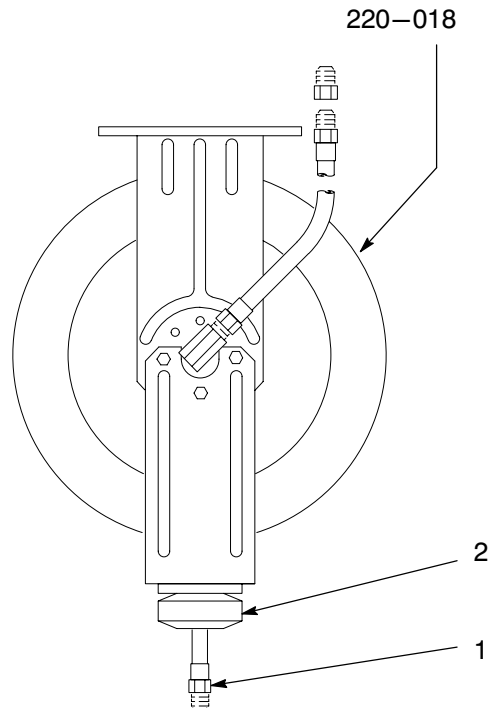
Basic Hose Reel 220935, Series C

Same as 220018, except has 1/2 in. ID x 15 in. inlet hose and includes a 16 ft. dispense hose. Used in Enclosed Hose Reel 220936, in the chart on page 7.

Series 100 Open Hose Reels

Type of Service	Order No. consists of bare hose reel 220018 , dispense hose, and hose stop kit (bare reel assembly does not include hose).				Maximum Working Pressure, psi (MPa, bar)
	Order No.	Ref No. 1 Hose, Buna-N Hose No.		Ref No. 2 Hose Stop Kit	
oil	230980 Series B	1/2" ID x 20' (13 mm x 6.1 m)	220593	218341	1500 (10, 102)
air or water	226974 Series B	1/4" ID x 25' (6 mm x 7.6 m)	109127	222225	180 (1.25, 12.5)
air or water	226975* Series B	3/8" ID x 25' (19 mm x 7.6 m)	109132	218340	180 (1.25, 12.5)
air or water	226976 Series B	3/8" ID x 30' (19 mm x 9.2 m)	109133	218340	180 (1.25, 12.5)
oil (not for over-head mounting)	235625 Series B	1/2" ID x 25' (13 mm x 7.6 m)	220608	218341	1500 (10, 102)

* Used in Enclosed Hose Reels 220937, 220938, and 220939, in the chart on page 7.



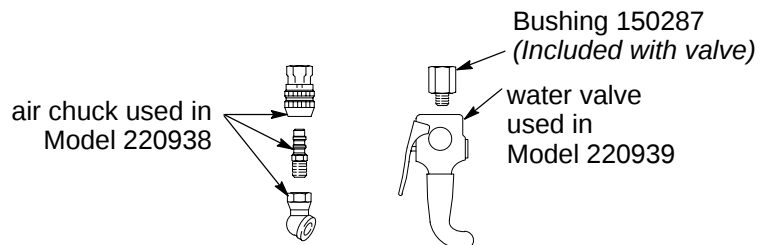
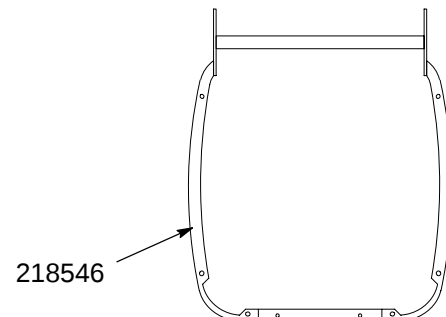
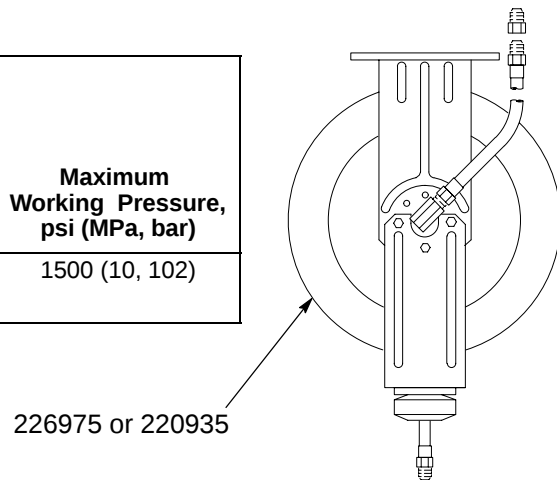
Hose Reel Models

Series 100 Enclosed Hose Reels

NOTE: End enclosures must be purchased separately. One end enclosure kit is required for each *continuous row* of reels. See page 20 to order.

Type of Service	Order No. consists of open hose reel 226975 , side enclosure 218546 , and dispensing valve			Maximum Working Pressure, psi (MPa, bar)
	Order No.	Dispensing Valve	Part No.	
air or water	220937 Series A	None		180 (1.25, 12.5)
air	220938 Series A	Air Chuck	218545	180 (1.25, 12.5)
water	220939 Series A	Water Valve	180685	180 (1.25, 12.5)

Type of Service	Order No. consists of basic hose reel 220935 and side enclosure 218546			Maximum Working Pressure, psi (MPa, bar)
	Order No.	Dispensing Valve		
oil	220936 Series A	None		1500 (10, 102)



Installation

Hose reels are shipped from the factory with the roller support arm (10) at a 45° angle. If your application is to utilize enclosures, or requires the support arm to be in a vertical position for a ceiling mount, follow the procedure below.

Changing Position of the Roller Support Arm from 45° to 180° (vertical)

The procedure below will maintain a minimum of 2 screws holding the pedestal (1) and the flange (13) together.

⚠ CAUTION

Changing positions must be completed prior to mounting. If your hose reel is already mounted, remove the reel from its mount and move it to a workbench.

2. Extend the hose and hose stop 6 to 12 inches (15 to 30 cm) beyond the rollers and latch the reel.
3. Remove the cap screw at position E and replace in position H. Tighten the cap screw.
4. Remove cap screws at positions C and G.
5. Reposition the roller support arm (10) to the vertical position.
6. Insert capscrews in position B and F, then tighten.
7. Remove the screw at position A and reinsert at position D, then tighten.
8. Unlatch the hose and allow it to retract.

Remount the reel or continue with the installation procedure on page 9.

Refer to Fig. 1 during this procedure.

1. Lay the reel on a flat surface so the pedestal (1) is on the bottom.

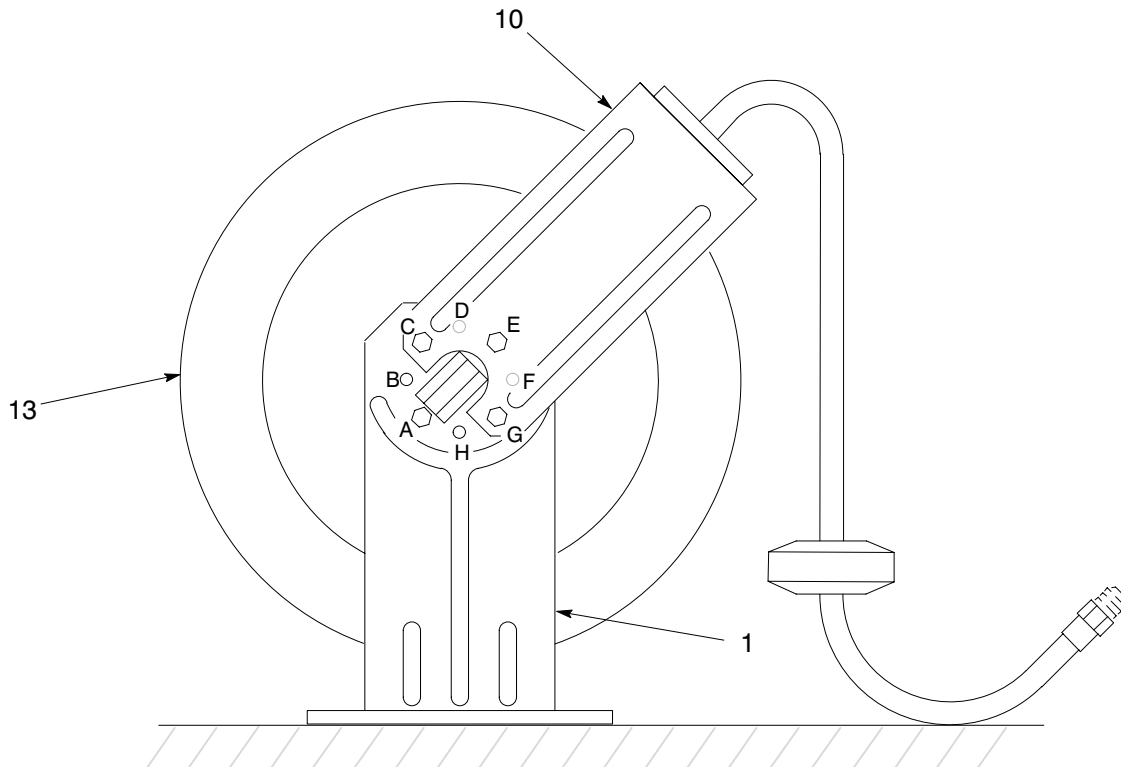


Fig. 1

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Installation

1. Selecting the Reel Bank Mounting Location

If the ceilings are very high, suspend a suitable support structure for the reels, so the hoses will be long enough to reach your service area.

The reel bank should be mounted in a one-lift service bay at least 6 ft (1.9 m) from the center line of the lift. See Fig. 2. In a two-lift bay, mount the bank equal distance between the lifts. A bank of all motor oil reels should be mounted about 5 ft (1.5 m) from the center of the lift, toward the front of the lift rails. A mounting bracket to secure the mounting base to an I-beam is available. See **Accessories**.

CAUTION

Be sure the mounting surface is strong enough to support the reels, the weight of the lubricants, and the stress caused by hard pulls on the service hoses.

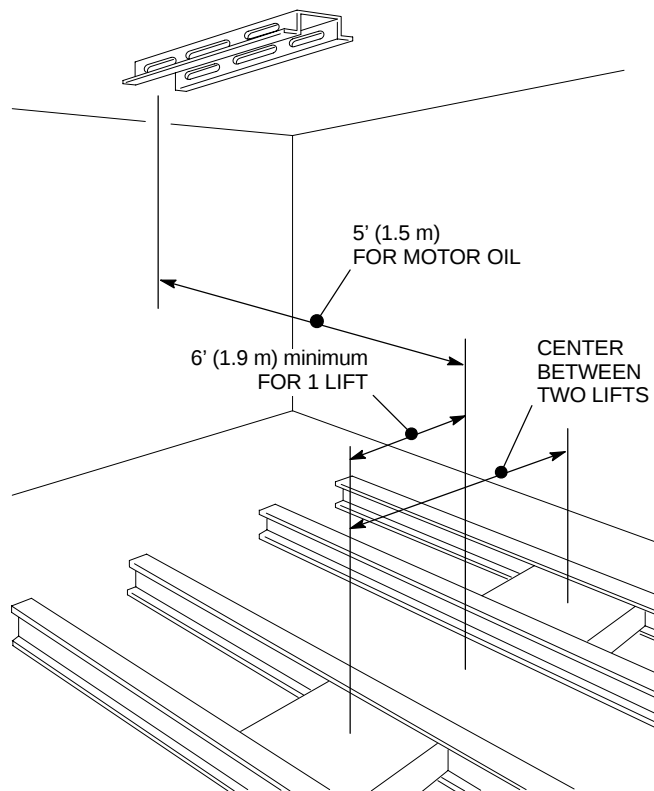


Fig. 2

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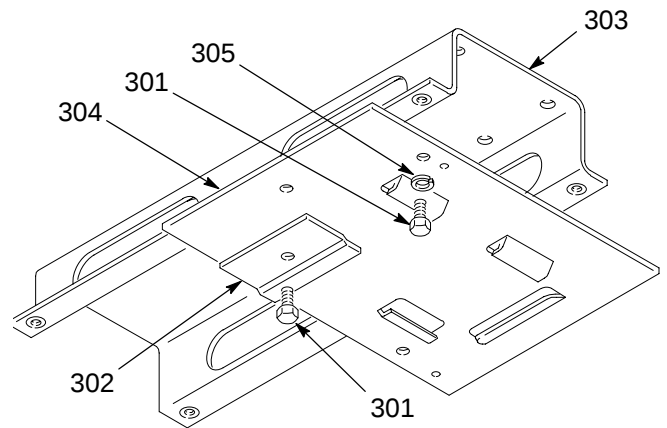


Fig. 3

1640

2. If you are **NOT** installing a hose reel enclosure, order the Reel Mounting Base parts listed under **Accessories** on page NO TAG. Then install the frame (303) and base plate (304) as shown in Fig. 3.

If you are installing the hose reel enclosure, bolt the reel base (103) to the mounting channel (A), using the lockwashers (B) and screws (C) which are supplied with the mounting channel. See Fig. 4, page 11.

3. If you are installing permanent supply lines, drill 1.5 in. (38 mm) diameter holes through the ceiling on the inlet side of the reels.
4. Slide the hose reel onto the mounting base and install the hold-down plate (104 or 302) and capscrew (105 or 301). Tighten screw firmly. See Fig. 4.
5. Connect the supply line to the inlet hose of the reel.

Installation

6. Adjusting the Spring Tension

Hose reels shipped with hoses come from the factory with the tension preset for a typical installation. You can adjust for more or less tension as follows:

NOTE: Do not connect the inlet hose (53 or 60) to the hose reel until **after** you have adjusted the spring tension.

If you are installing a hose on a bare reel, connect the service hose to the swivel union (26), and wrap the hose loosely around the flange (angle of swivel union makes proper wrap direction obvious).

To *increase* spring tension, extend the hose far enough for two additional wraps, and engage the latch. Wrap the two new loops around the hose reel, and retract the hose.

To *decrease* spring tension, engage the latch, unwrap two loops from the flange, and retract the hose.

Check the spring tension; the hose must pull out fully and retract fully. If more or less spring tension is needed, wrap or unwrap **one** more loop, extend the hose, and latch it. Do this as many times as necessary until the spring has the desired tension.

7. Install the hose stop (D) and dispensing valve.

Position the hose stop so the hose extends far enough for all operators to reach it. See Fig. 4.

8. Install the inlet hose.

Run the inlet hose (53 or 60) through one of the holes (E) on the reel base (103), depending on the orientation of the hose reel.

To adjust spring tension on an assembled, installed hose reel, see **Increasing or Decreasing Spring Tension** on page 14.

CAUTION

Do not put so many loops onto the reel that the spring winds up tightly before the hose is fully extended. A spring that is wound too tightly stops rotating before the hose is fully extended. That puts excessive strain on the hose and reel spring and could damage the reel. To decrease tension, remove two or three loops of hose from the reel.

Installation

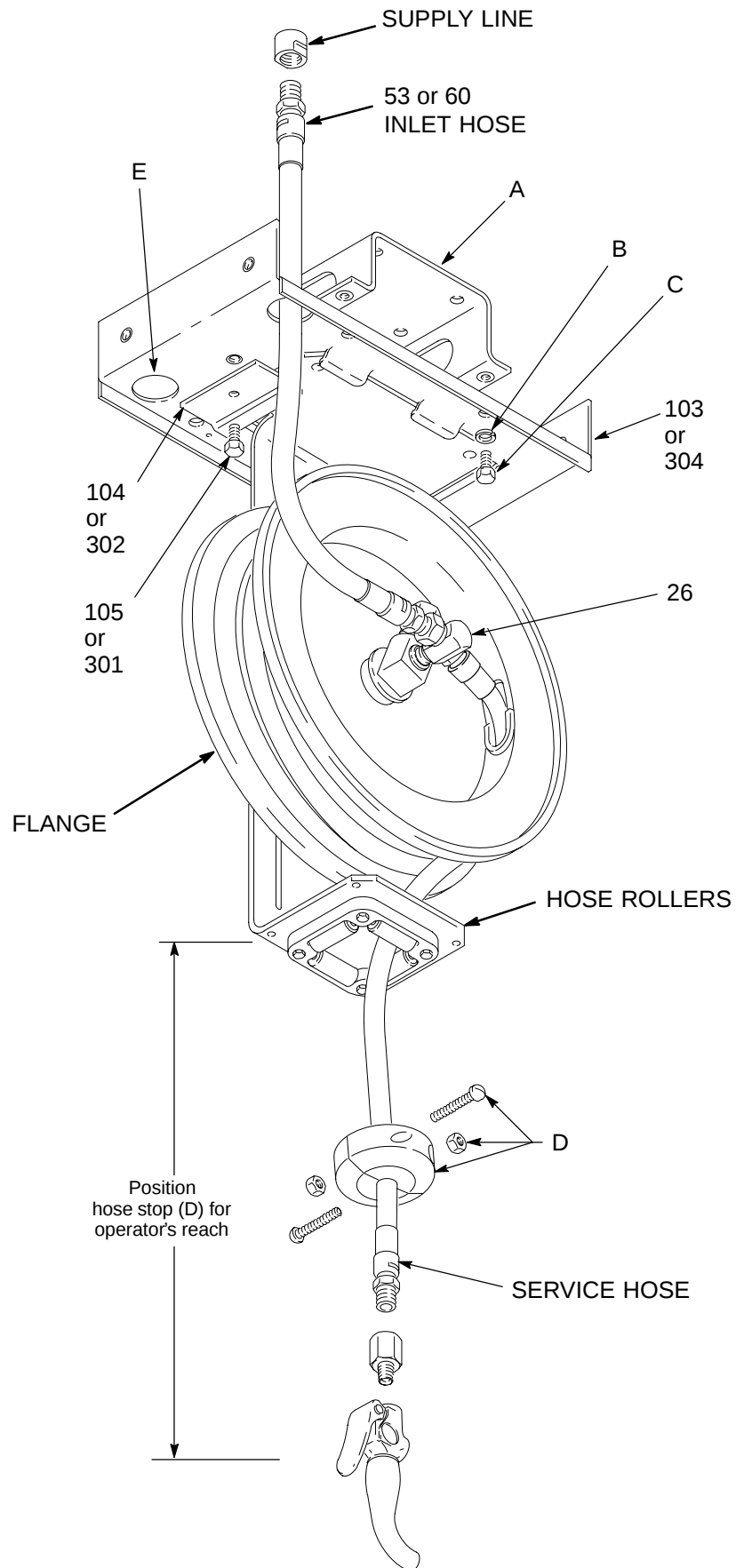


Fig. 4

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Installation

Installing the Hose Reel Enclosures

(See Fig. 5)

NOTE: Enclosed hose reels are supplied only with side enclosures. Order one end enclosure kit for each reel bank.

1. Secure the hose reel cap (102) to the hose reel support (2) using the screws, lockwashers and nuts as shown. See Fig. 5 for correct positioning. Push the button plug (109) into the hole in the cap.
2. For more than one reel, bolt the caps together as shown.
3. Noting the correct position, secure the black trim plate (108) to the side panel (101) using the machine screws (110) as shown.
4. Hook the lips of the side enclosures onto the cap and secure the enclosures with the thumbscrews (107).
5. Attach the end enclosures (201) using screws (203) and spring nuts (204) as shown.

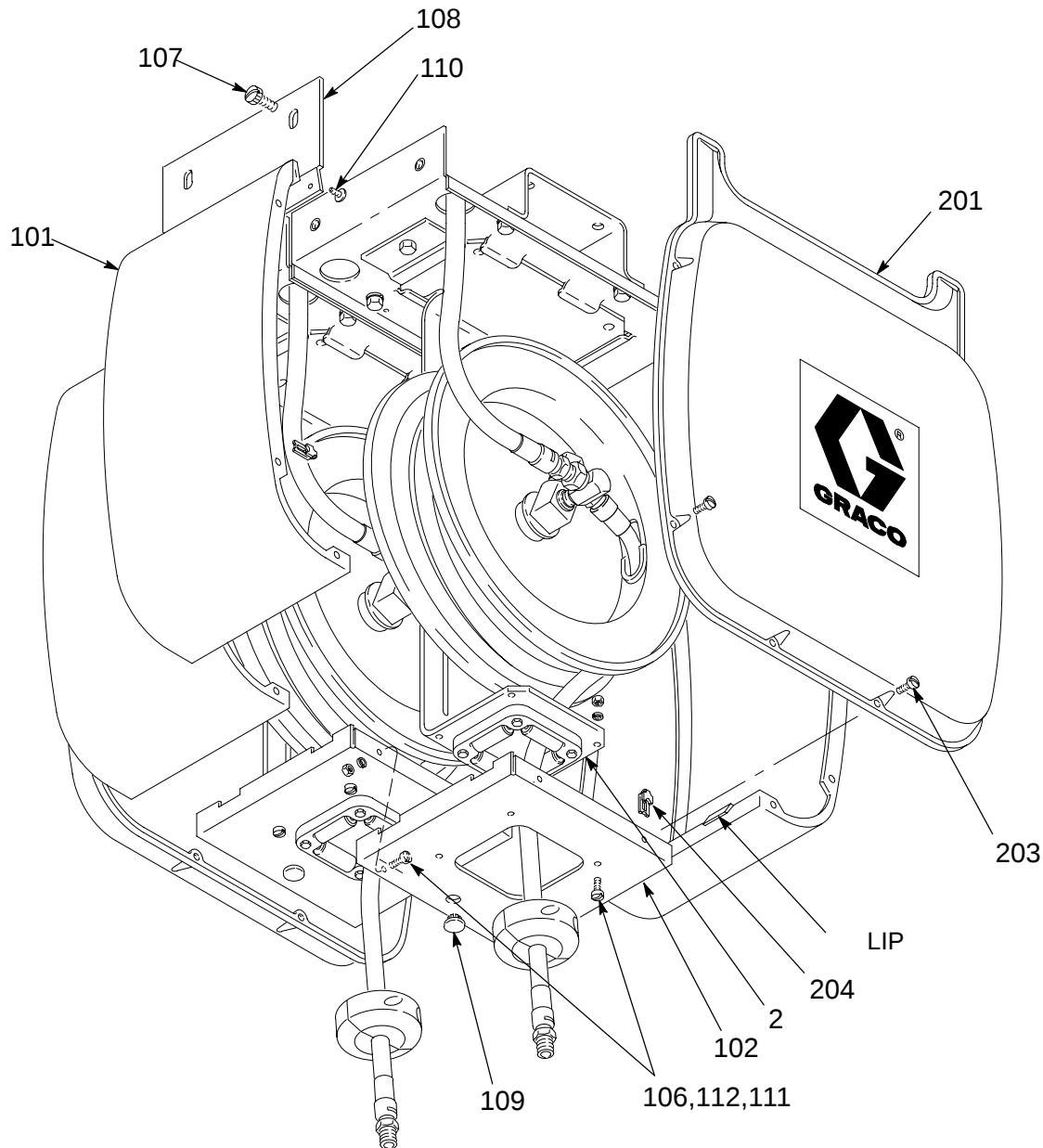


Fig. 5

02388

Maintenance

Pressure Relief Procedure

⚠ WARNING



PRESSURIZED FLUID HAZARD

The equipment stays pressurized until pressure is manually relieved. To reduce the risk of serious injury from pressurized fluid, moving parts, accidental spray from the valve, or splashing fluid, follow this procedure whenever you

- Are instructed to relieve pressure
- Stop dispensing
- Check, clean, or service any system equipment
- Install or clean dispensing devices

1. Shut off the air or fluid supply.
2. Open the dispensing valve to relieve pressure from the service hose.

*If you suspect that the dispensing valve, extension, or grease fitting coupler is clogged, or that pressure has not been fully relieved after you have followed the procedure above, **very slowly** loosen the coupler or hose end coupling and allow pressure to be relieved gradually, then loosen the part completely, then clear the clog.*

Lubrication (See Fig. 6)

Shut off the air or fluid supply. Open the dispensing valve to relieve pressure from the service hose.

Every six months, apply one or two drops of light motor oil to lubricate the hose reel at points E (hose roller pins), F (stud and latch), and G (inside diameter of bumper). Also see Fig. 11.

⚠ CAUTION

Improper lubricating will cause the latching mechanism to fail.

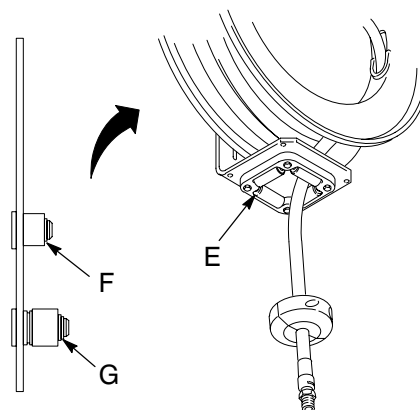


Fig. 6

1643

Maintenance

Increasing or Decreasing Spring Tension (See Fig. 7)

1. Shut off the air or fluid supply, and open the dispensing valve to relieve pressure from the service hose.
2. Pull the hose out a few feet, and engage the latch. Remove the dispensing valve and the hose stop (D).
3. To *increase* spring tension, pull the hose back through the hose rollers (50), and wrap a loop of hose around the flange (12).

To *decrease* spring tension, remove a loop of hose from the flange (12).

4. Check the spring tension; the hose must pull out fully and retract fully. Wrap or unwrap more loops, one at a time, until the spring has the required tension.

⚠ CAUTION

Do not put so many loops onto the reel that the spring winds up tightly before the hose is fully extended. A spring that is wound too tightly stops rotating before the hose is fully extended. That puts excessive strain on the hose and reel spring and could damage the reel. To decrease tension, remove two or three loops of hose from the reel.

5. Route the hose through the rollers, and reinstall the hose stop (D) and dispensing valve.

Replacing the Service Hose (See Fig. 7)

1. Shut off the air or fluid supply, and open the dispensing valve to relieve pressure from the service hose.
2. Remove the dispensing valve and the hose stop (D).
3. Hold the reel with gloved hands and let it slide slowly through your hands until the reel stops. When the reel stops, the spring tension has been released and the hose can be unwrapped from the reel.

⚠ WARNING

Never allow the reel to spin freely. Doing so causes the hose to spin out of control, which could cause serious bodily injury if you are hit by the hose.

Always wear heavy gloves when unwinding the spring tension to protect your hands from being cut on the hose reel.

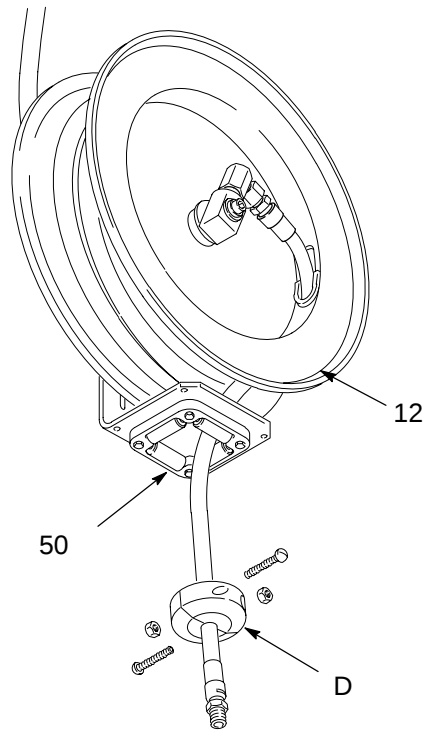


Fig. 7

02390

Service

Servicing the Swivel (See Fig. 8)

1. Shut off the air or fluid supply to the reel. Open the dispensing valve to relieve pressure from the hose.
2. Disconnect the inlet hose (53 or 60). Remove the reel from its mounting base. Clamp reel pedestal in a vise.
3. Pull the hose out fully and latch the reel. Remove the retaining ring (24) and swivel elbow (23).
4. Remove the two o-rings (22) in the swivel elbow. Clean the parts and inspect them for wear or damage. Grease the new o-rings. Fill the swivel elbow's o-ring cavity with grease and install the new o-rings.
5. Reinstall the swivel elbow and the retaining ring.

Reel Spring (See Fig. 8, 9, and 10)

1. Shut off the air or fluid supply to the reel. Open the dispensing valve to relieve pressure from the hose.
2. Disconnect the inlet hose (53 or 60). Remove the reel from its mounting base. Clamp reel pedestal in a vise.
3. Remove the hose according to the instructions in **Replace the Service Hose**, page 14.
4. Remove the retaining ring (24), the swivel elbow (23), the next retaining ring (21) and the washer (8).

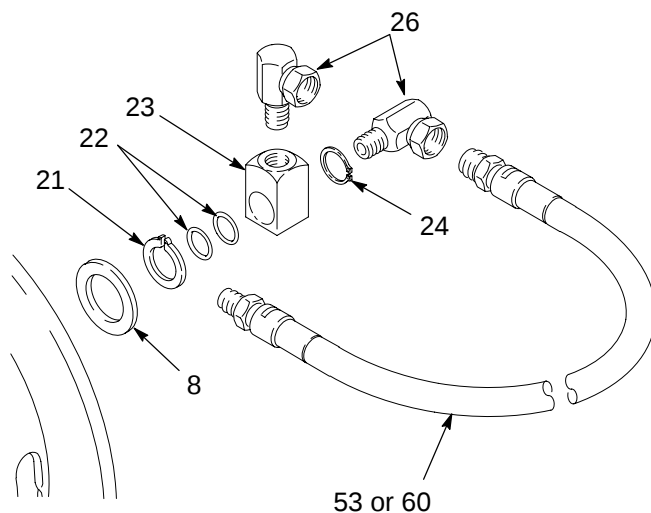


Fig. 8

02391

Service

Before continuing with this procedure, read the following Warning.

⚠ WARNING

Use extreme caution when handling the spring!

The spring, which is located behind the flange, is under great tension and could be propelled from the lower flange (12) with enough force to cause serious bodily injury.

To reduce the risk of serious bodily injury, use extreme caution when removing the top reel flange (20). Be sure the reel is laying flat, and then carefully lift up on the flange to expose the spring (18).

5. Remove the reel from the vise and lay it on a flat work surface so the pedestal (5) is on the bottom. See Fig. 9. Remove the screws (14) and nuts (16) from the reel flanges (12 & 20).
6. First, make sure the reel is laying flat. Then, using extreme caution, lift up on the flange to expose the spring (18).
7. Carefully inspect the spring.

If either end of the spring (18) is worn or damaged and does not hook properly on the reel hub (19) or the pin (A), which is welded to the inside of the lower reel flange (12), replace the spring. See Fig. 9. If the pin itself is broken, the lower reel flange must be replaced.

⚠ WARNING

To reduce the risk of serious bodily injury, **use extreme caution when handling the spring!**

8. To remove the spring, use locking pliers to compress and hold several rows of the spring together, then lift out the spring. See Fig. 9.

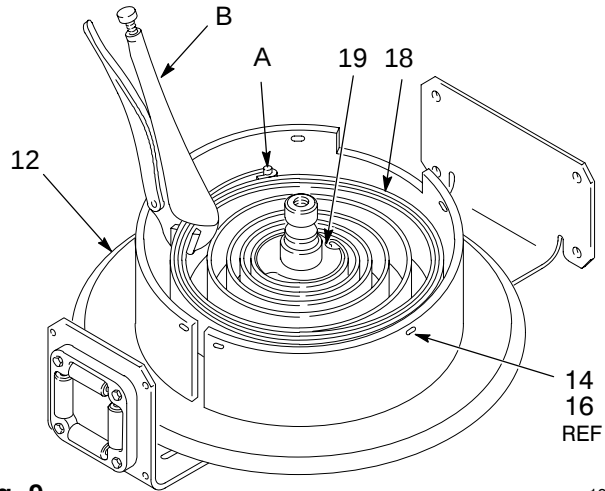


Fig. 9

1647

9. Before disposing of the spring, carefully attach a minimum of two hose clamps around the keeper and spring bands as shown in Fig. 10.
10. When greasing and installing the new spring, use a locking pliers (B) to compress several rows of the spring together. See Fig. 9.

Coat the new spring and the flange with a multi-purpose, lithium-based grease before installing the spring.

⚠ CAUTION

To ensure proper spring operation, the spring and reel hub must be installed with the inside end of the spring hooked into the reel hub (19) and the outside end of the spring hooked to the pin (A). See Fig. 9 on page 16.

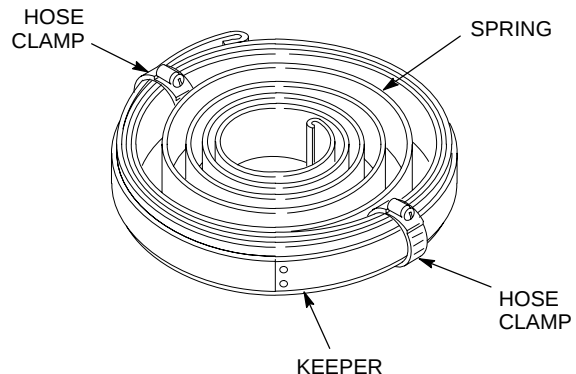


Fig. 10

1647

Service

Latch Mechanism

If the reel latch (9) fails to latch, replace the latching mechanism. See Fig. 11.

⚠ CAUTION

To avoid damage to the reel and to avoid a malfunction of the reel, do not modify the latch arm spring (10). When replacing the spring, order and use, Graco Part No. 107440 only.

1. Retract the hose as far as the hose stop to release the spring tension.
2. Remove the reel from the pedestal (51). This exposes the latch.
3. Inspect and replace all worn or damaged parts.
4. Follow lubrication requirements for latch mechanism in the **Lubrication** section on page 13. Reassemble the reel.

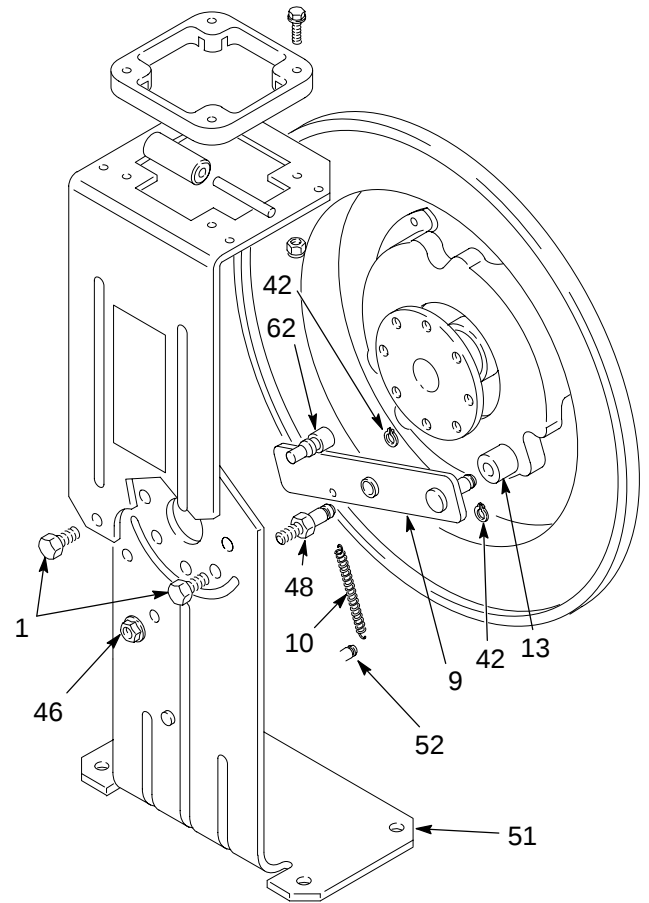
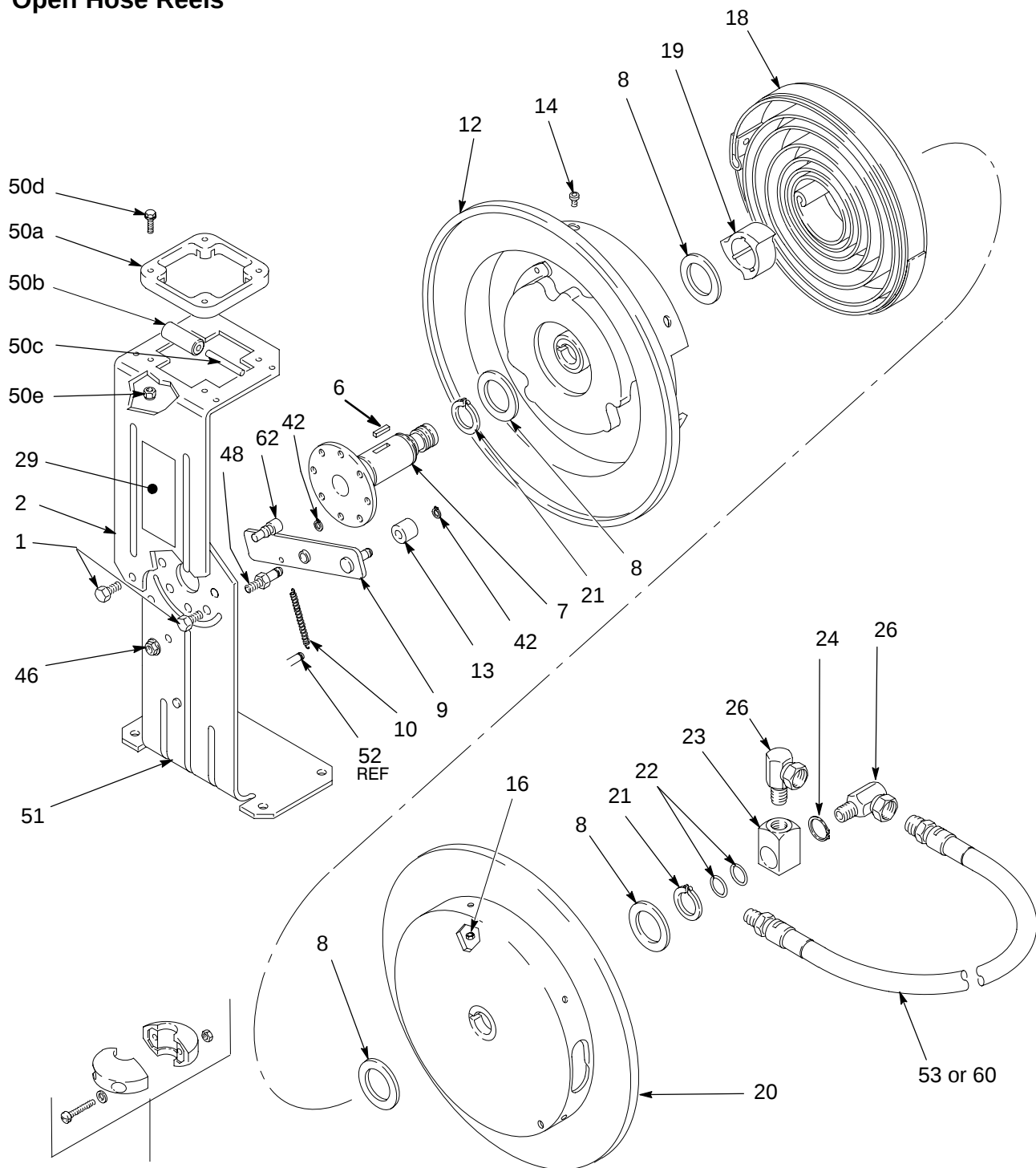


Fig. 11

02392A

Parts

Open Hose Reels



218340, 218341, or 222225
HOSE STOP KIT

02393D

Parts

Bare Hose Reel 220018, Series C, Includes items 1 to 53, 62

Basic Hose Reel 220935, Series C, Includes items 1 to 52, 60, 61, 62

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	111799	CAPSCREW, flng hd; M8 x 1.25	4	50	218591	HOSE ROLLER KIT; Includes items 50a to 50e	1
2	178694	SUPPORT, roller, hose; Includes item 29	1	50a	178675	• BRACKET, roller	1
6	113267	KEY, square, parallel; 3/16" x 1"	1	50b	178670	• ROLLER, hose	4
7	237190	SHAFT, reel	1	50c	178705	• PIN, roller	4
8	177679	WASHER, retaining; 1/2"	6	50d	107439	• SCREW, machine, hex washer hd	4
9	217394	LATCH, pawl	1	50e	102920	• NUT, lock	4
10	107440	SPRING	1	51	178687	PEDESTAL, reel	1
12	237191	FLANGE, reel, hose, lower	1	52	106577	PIN	1
13	108971	BUMPER; polyurethane	1	53	109129	HOSE; 3/8" ID; Buna-N; cpld 1/2 x 3/8 npt(mbe); 15" (381 mm) long (not shown)	1
14	106084	SCREW, mach, pnh; M5 x 10	6	60	110069	HOSE, 1/2" ID, cpld 1/2 npt(mbe); 15" (381 mm) long	1
16	105332	NUT, hex, self-locking; M5 x 0.8	6	61	220592	HOSE, SERVICE, 1/2" ID, Buna-N, cpld 1/2 npt(mbe), 16 ft (4.9 m) long (not shown)	1
18	193198	SPRING, reel	1	62	190029	BUMPER	1
19	177685	HUB, reel	1	* These parts are included in Repair Kit 224450, which may be purchased separately. ▲ Replacement Danger and Warning labels, tags and cards are available at no cost.			
20	237192	FLANGE, reel, hose, upper	1				
21	106082	RING, retaining, ext.	2				
22*	166702	PACKING; o-ring, Buna-N	2				
23	187559	ELBOW; swivel, 3/8 npt(f)	1				
24	106083	RING, retaining, ext.	1				
26	217430	UNION, swivel, 90°; 3/8 npt(m) x 1/2 npsm(f) swivel; 1.5"	2				
29▲	187034	LABEL, warning	1				
40▲	189056	TAG, Caution (not shown)	1				
42	111220	RING, retaining	2				
46	112958	NUT, hex, flanged; 3/8–16	1				
48	178692	STUD, pawl	1				

Series 100 Open Hose Reel

Model No.	Includes		
	Bare Hose Reel See parts list above	Service Hose	Hose Stop Kit
230980	220018	220593 1/2" ID, Buna-N, cpld 1/2 npt(mbe); 20' (6.1 m) long	218341
226974	220018	109127 1/4" ID, Buna-N; cpld 1/2 npt x 1/4 npt(mbe); 25' (7.6 m) long	222225
226975	220018	109132 3/8" ID, Buna-N, cpld 1/2 npt x 3/8 npt(mbe); 25' (7.6 m) long	218340
226976	220018	109133 3/8" ID, Buna-N; cpld 1/2 npt x 3/8 npt(mbe); 30' (9.2 m) long	218340
235625	220018	220608 1/2" ID, nitrile, cpld 1/2 npt(m) 25 ft (7.6m)	218341

Series 100 Enclosed Hose Reel

Model No.	Includes		
	Open Hose Reel See parts in chart at left	Side Enclosure See parts on page 20	Dispense Valve
220937	226975	218546	None
220938	226975	218546	218545, for air
220939	226975	218546	180685** for water

** Model 220939 also includes Bushing 150287 to adapt the valve to the hose.

Basic Hose Reel with Side Enclosure

Model No.	Includes	
	Basic Hose Reel See parts list above	Side Enclosure See parts on page 20
220936	220935	218546

Parts

Side & End Enclosure Kits *Must be purchased separately.*

Side Enclosure Kit 218546, Series A

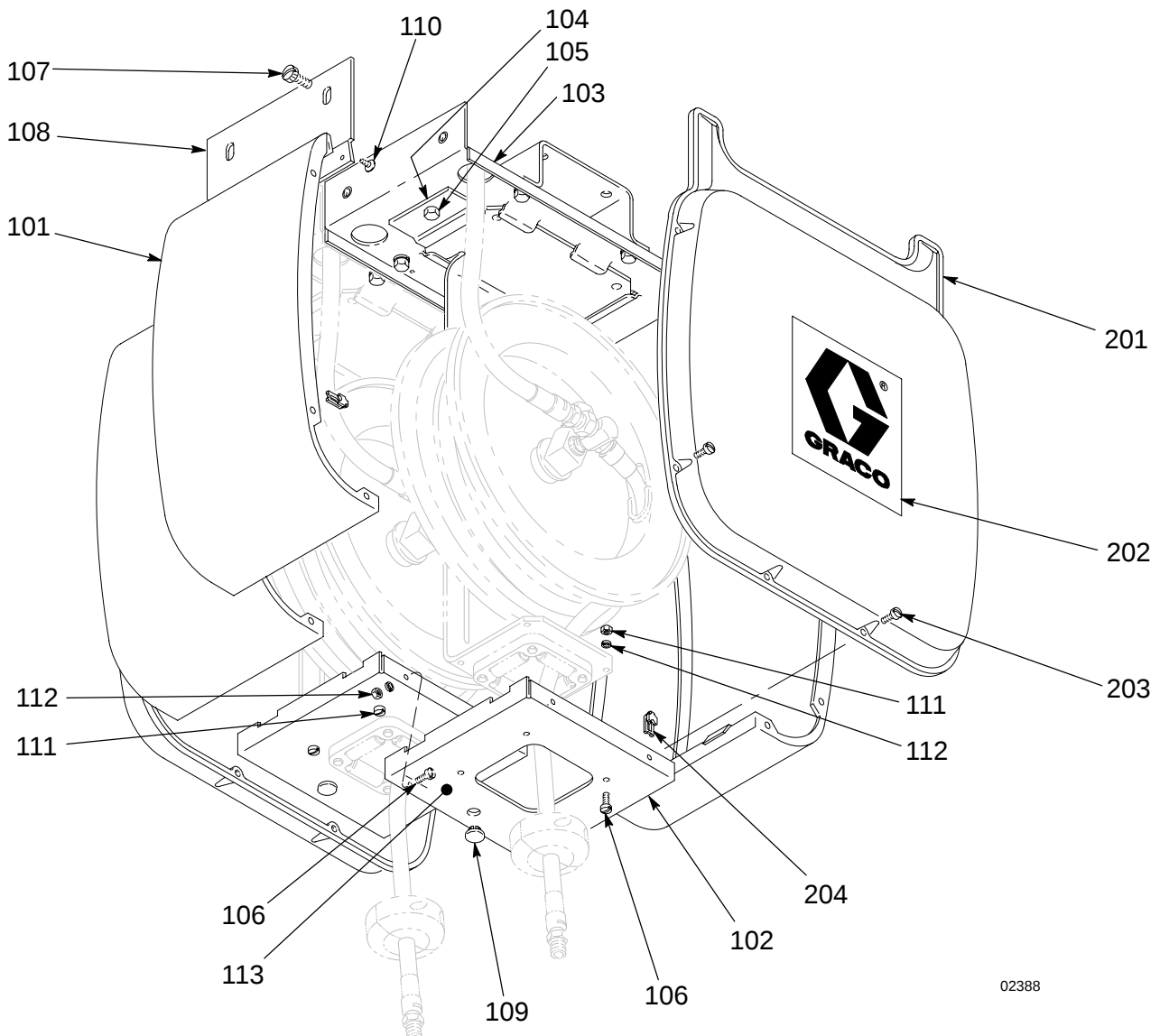
Order 1 for each bare or basic hose reel. Enclosed hose reels include one side kit per reel.

End Enclosure Kit 218548, Series A

Order 1 for each bank of reels.

Ref. No.	Part No.	Description	Qty.
101	218367	PANEL, side	2
102	220908	CAP, hose reel	1
103	203556	BASE, reel	1
104	159790	PLATE, hold down	1
105	100575	CAPSCREW, hex hd; 3/8" x 5/8"	1
106	107452	SCREW, mach; bdghd; No. 10 x 5/8"	6
107	159760	SCREW, thumb	4
108	180672	PLATE, trim	2
109	102521	PLUG, button	1
110	100271	SCREW, type Z, drive; No. 10 x 3/8"	4
111	100179	NUT, hex, No. 10	6
112	100020	LOCKWASHER, spring; No. 10	6
113	183442	LABEL, installation	1

Ref. No.	Part No.	Description	Qty.
201	178669	PANEL, end	2
202	180679	LABEL, Graco	2
203	107452	SCREW, mach, bdghd; No. 10 x 5/8"	12
204	107451	NUT, spring	12



02388

Mounting Accessories

Must be purchased separately. Use only genuine Graco parts and accessories.

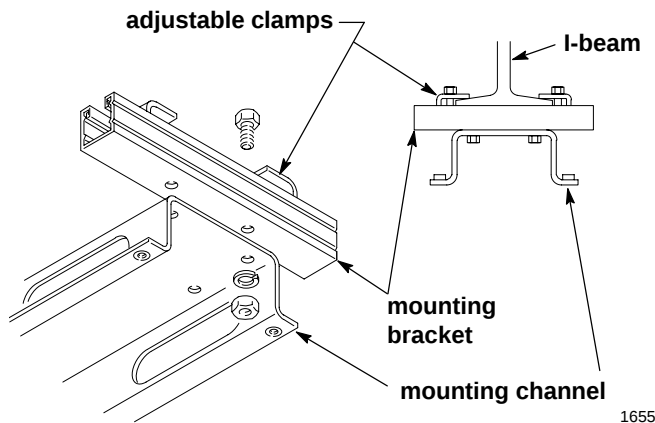
Order mounting hardware using sections 1 through 2b below. For enclosed reels, order mounting hardware as needed per items 1 and 2a. For open reels, order mounting hardware as needed per items 1 and 2b.

1: Mounting Bracket 204741 for Either Open or Enclosed Reels

Secures mounting channel to I-beam without holes drilled in I-beam. Bracket fits all standard I-beams with flanges up to 7 in. (178 mm). Mount the bracket to the mounting channel before securing it to the I-beam. This mounting bracket will work on 1- to 6-reel mounting channels. Screws, lockwashers, and nuts are included.

NOTE:

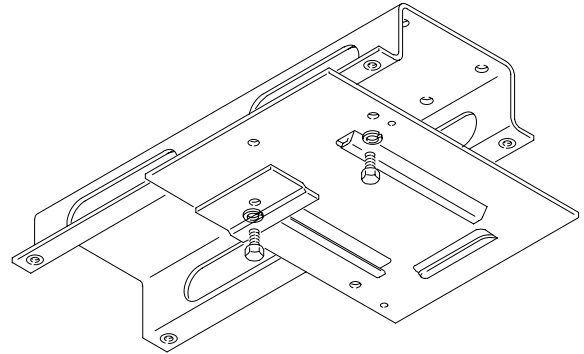
For one to three reels, **two** of 204741 are required.
For four to six reels, **three** of 204741 are required.



2b: Mounting Channels for Open Reels

For mounting open hose reels to ceiling. Includes mounting channel, base plate, hold down plate, cap screws (3/8–16 UNC –2a X 0.625 in), lockwashers, and weldnuts on channel.

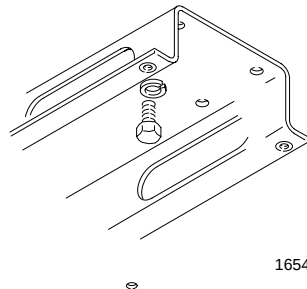
241791	for 1 reel
241792	for 2 reels
241793	for 3 reels
241794	for 4 reels
241795	for 5 reels
241796	for 6 reels



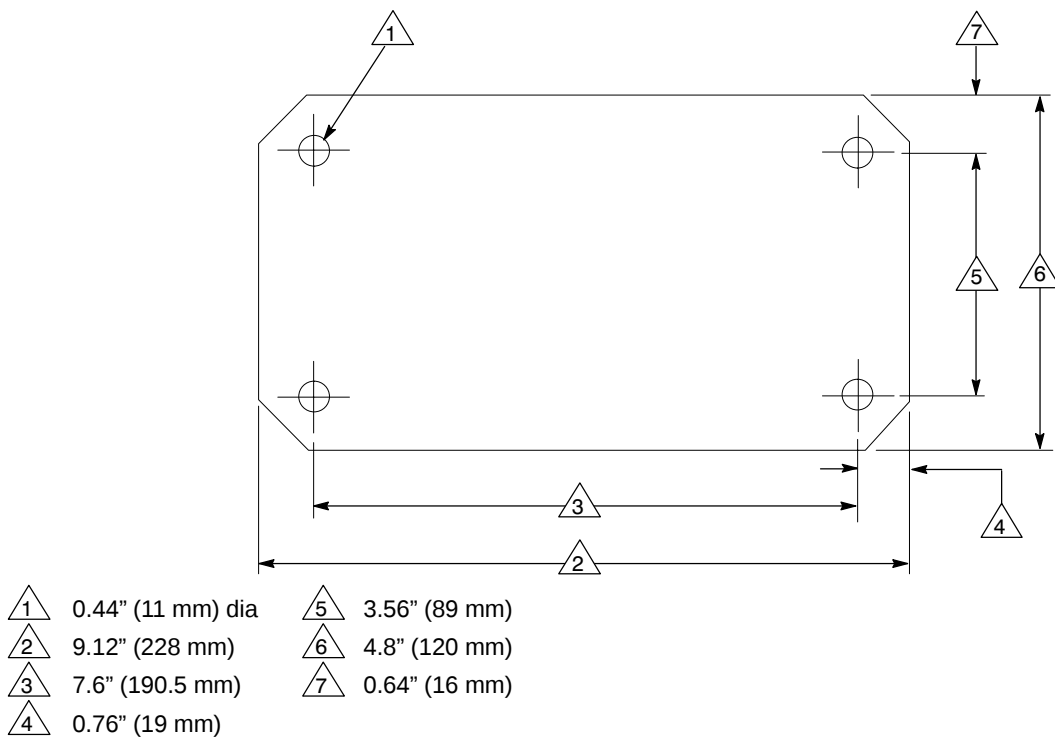
2a: Mounting Channels for Enclosed Reels

For mounting enclosed hose reels to ceiling. Includes capscrews (3/8–16 UNC–2a x 0.625"), lockwashers, and weldnuts on channel.

203521	for 1 reel
203522	for 2 reels
203523	for 3 reels
203524	for 4 reels
203525	for 5 reels
203526	for 6 reels



Mounting Hole Layout



02611

Accessories

Water Valve 180685

1/4 npt(f) inlet; must also order Bushing 150287

Bushing 150287

To adapt water valve 180685 to service hose.

Air Chuck 150136

1/4 npt(f) inlet; no air fitting

Air Chuck 200027

Equipped with 169970 air fitting for use with 208536 Quick-Coupler.

1/4 in. Quick-Coupler 208536

For the following air fittings:

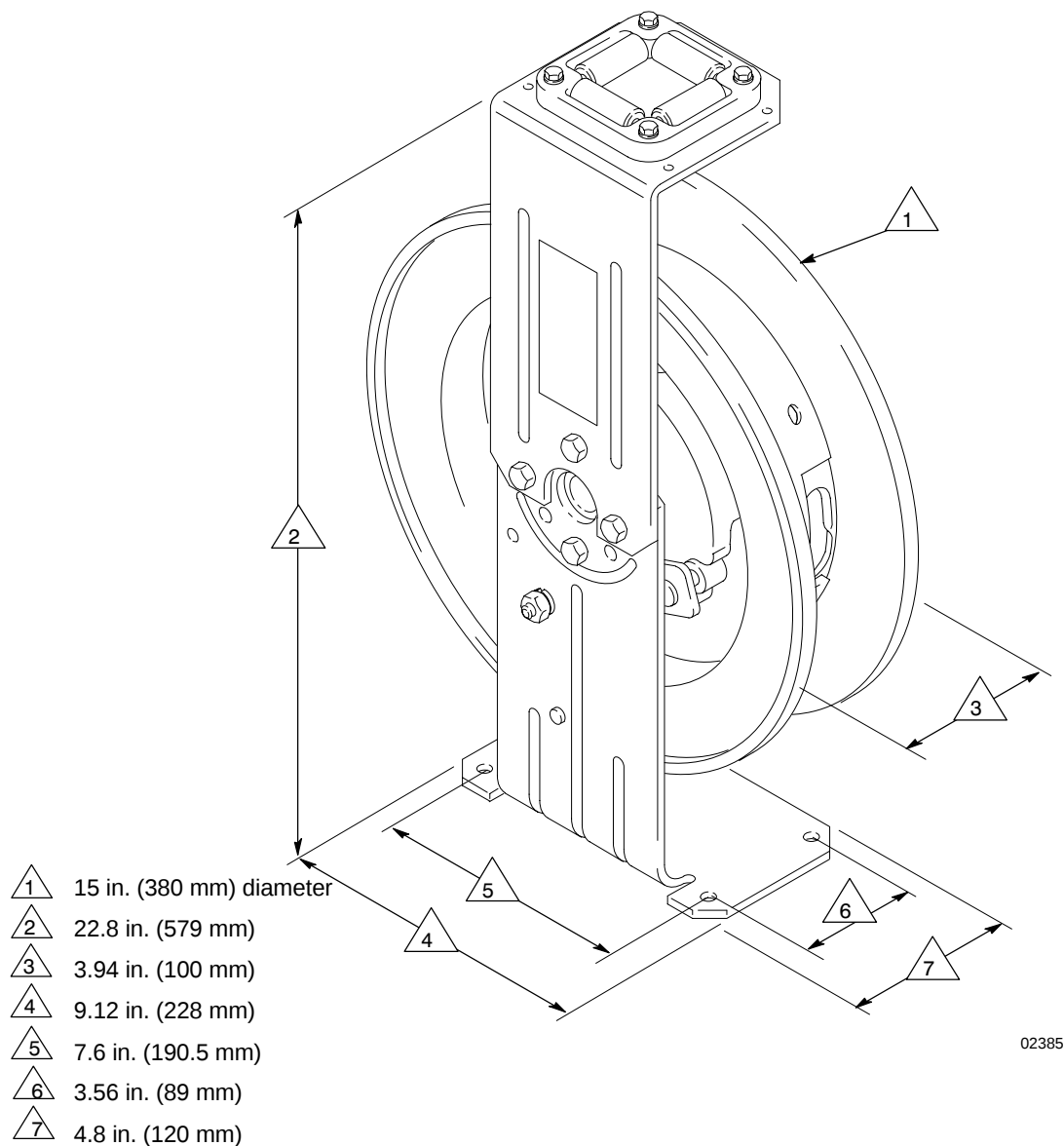
169967 1/4 npt(f)
169969 1/8 npt(m)
169970 1/4 npt(m)
169971 3/8 npt(m)

3/8 in. Quick-Coupler 104526

For use with the following air line fittings:

104528 3/8 npt(f)
104529 3/8 npt(m)
104530 1/4 npt(f)
104531 1/4 npt(m)

Dimensions



02385

Technical Data

Maximum working pressure	See charts on pages 6 and 7
Spring	41 ft (12 m) coil
Spring tension (<i>When reel is ordered with a service hose installed</i>)	Factory pre-set
Latching mechanism	Automatic with 3 stop positions
Roller arm settings	3 positions, 45° apart in a 180° arc
Reel inlet hose thread size	
Models 230980, 226974, 226975, 226976, 235625	1/2 npt(m)
Model 220935	3/8 npt(m)
Reel outlet elbow thread size	3/8 npt(m)
Service hose outlet size	
Models 226974	1/4 npt(m)
Models 226975, 226976	3/8 npt(m)
Weight	approximately 30 lb (13.5 kg)
Wetted parts	carbon steel, Buna-N

Graco Standard Warranty

Graco warrants all equipment 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.

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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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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

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