



INSTRUCTIONS

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

Lube Equipment Couplers, Nozzle, Flexible Extension, and Adapters

For use with petroleum based lubricants only



WARNING

**Fluid under high pressure can cause serious injury. Observe all warnings.
Read and understand all instruction manuals before operating the equipment.**

FLUID INJECTION HAZARD

Fluid emitted under high pressure from leaks or ruptured components can penetrate the skin and cause extremely serious injury, including the need for amputation. Also, fluid injected into or splashed into the eyes can cause serious damage.

Never point the dispensing valve at anyone or any part of the body.

Never put your hand or fingers over the grease fitting coupler.

Never try to stop or deflect leaks with your hand or body.

Intended Use

This equipment is designed for use with petroleum based lubricants only. Any other use of the couplers, nozzle, flexible extension, or adapters can cause unsafe operating conditions and result in component rupture, which could cause serious injury, including fluid injection.

System Pressure

The *Maximum Working Pressures* of the couplers, nozzle, flexible extension, and adapters are listed with each individual part. Be sure you know the maximum working pressure of all your system components. Never exceed the maximum working pressure of the lowest rated component in your system.

Grease Fitting Coupler Safety

Use extreme caution when cleaning or changing grease fitting couplers. If the coupler clogs while dispensing, stop dispensing immediately! Follow the **Pressure Relief Procedure**, on page 2. Then remove the coupler to clean it. Never wipe off buildup around the coupler until pressure is fully relieved.

Flexible Extension Safety

Be sure you know the *Maximum Working Pressure* of the flexible extension you are using. Never exceed the maximum working pressure of the flexible extension, even if your dispensing valve or pump is rated for higher working pressures.

Never use a low pressure, flexible extension, which is designed for low pressure dispensing valves or hand-powered lubricating equipment, on a high-pressure dispensing valve.

Never attempt to force lubricant into a fitting! If the lubricant is not flowing, stop dispensing immediately! The fitting may be clogged. Forcing lubricant may cause excessive back pressure in the flexible extension, which could cause it to rupture and result in serious injury, including fluid injection and eye injury.

Only install a coupler on the hand grip end of the flexible extension in this manual. See page 2. Never install a coupler on the other end of the hose. Never use the flexible extension without the hand grip in place.

EQUIPMENT MISUSE HAZARD

This equipment is designed for use with petroleum based lubricants only. Using equipment for something other than its intended use can cause a malfunction and result in serious injury.

Never alter or modify any part of this dispensing equipment; doing so could cause it to malfunction and result in serious injury.

Check all dispensing equipment regularly. Repair or replace worn or damaged parts immediately.

Always read and follow the fluid and solvent manufacturer's recommendations regarding the use of protective eyewear, clothing, gloves, and other equipment.

FLUID INJECTION HAZARD

Pressure Relief Procedure

To reduce the risk of serious injury, including fluid injection or splashing in the eyes or on the skin, always follow this procedure whenever you shut down the system and before inspecting, removing, cleaning or servicing this equipment or any part of the system.

1. Turn off the power supply to the pump.
2. Trigger the dispensing valve into a waste container until pressure is fully relieved.
3. Open any bleed-type master air valves and fluid drain valves in the system.
4. Leave the fluid drain valve open until you are ready to use the system again.

If you suspect the dispensing valve, extension, nozzle, or coupler is clogged, or that pressure has not been fully relieved after following all the steps above, very slowly loosen the coupler or hose end coupling and allow pressure to be relieved gradually, then loosen the part completely. Now clear the clog.

Medical Treatment

If any fluid appears to penetrate your skin, get **emergency medical care at once**. Do not treat as a simple cut! Tell the doctor exactly what fluid was injected.

NOTE TO PHYSICIAN: Injection into the skin is a traumatic injury. It is important to treat the injury surgically as soon as possible. Do not delay treatment to research toxicity. Toxicity is a concern with some exotic coatings injected directly into the blood stream. Consultation with a plastic surgeon or reconstructive hand surgeon may be advisable.

Hydraulic Couplers

Taper Nose Hydraulic Coupler 236-168

8000 psi (560 bar) Maximum Working Pressure

Economy Hydraulic Coupler 236-169

2500 psi (175 bar) Maximum Working Pressure

For use with lever action guns only

WARNING

This coupler is designed for use with lever action guns only. Any other use of the coupler can cause unsafe operating conditions and result in component rupture, which could cause serious injury, including fluid injection.

Grease Nozzle

Swivel Grease Nozzle 236-184

6000 psi (420 bar) Maximum Working Pressure

Flexible Extension

Flexible Extension

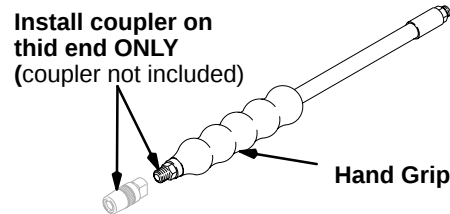
5000 psi (350 bar) Maximum Working Pressure

Part No.	Length
236-170	12 in. (304.8 mm)
236-182	18 in. (457.2 mm)
236-183	30 in. (762.0 mm)

WARNING

To reduce the risk of serious injury, including fluid injection,

- Only install a coupler on the hand grip end of the hose, as shown below. Never install a coupler on the other end of the hose.
- Never use the flexible extension without the hand grip in place.



High Pressure Adapters

Locking Sleeve Connector 236-188

6000 psi (420 bar) Maximum Working Pressure

For quick connection to taper nose coupler

360° Grease Swivel & Coupler Kit 236-189

6000 psi (420 bar) Maximum Working Pressure

Straight Swivels 236-187

8000 psi (560 bar) Maximum Working Pressure

Z-swivel 236-186

6500 psi (450 bar) Maximum Working Pressure

Low Pressure Adapters

Hydraulic-to-Steel Needle Adapter 236-178

250 psi (18 bar) Maximum Working Pressure

For flush fittings

Hydraulic-to-Push Adapter 236-177

250 psi (18 bar) Maximum Working Pressure

For U-joints and low pressure service

Hydraulic-to-Nylon Needle Adapter 236-179

250 psi (18 bar) Maximum Working Pressure

For removable plugs

90° Lube Adapter 236-180

250 psi (18 bar) Maximum Working Pressure

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