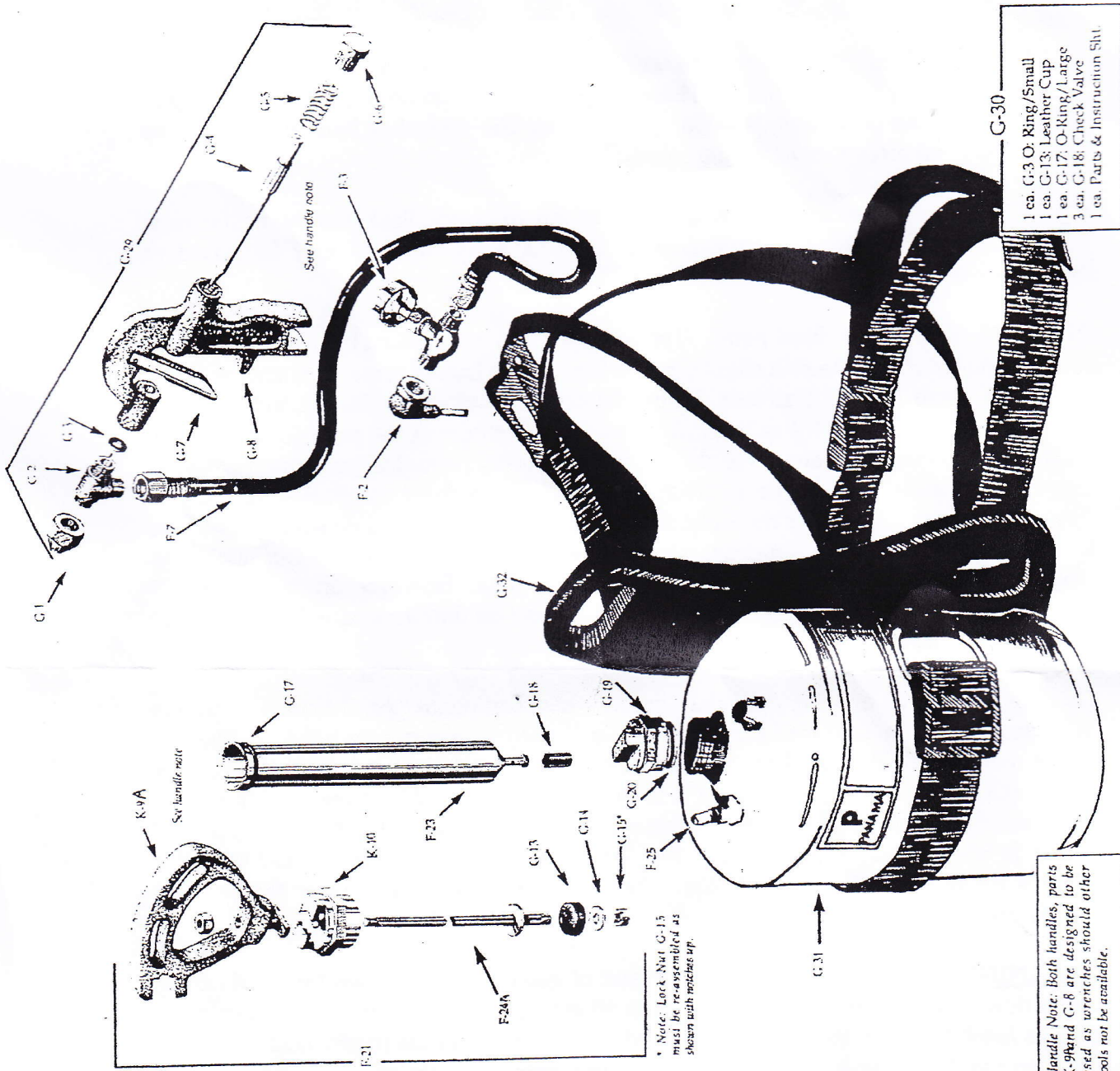


Cylindrical Tree Marker

Parts List

Part No.	Description
F-2	Elbow & Tail Pipe
F-3	Cut-Off Valve
F-7	Hose Coupled
F-21	Hand Pump Assembly
F-23	Air Pump Barrel, long
F-24A	Stem, long
F-25	Air Valve Complete
G-1	Nozzle
G-2	Brass Tee
G-3	Small O-Ring
G-4	Plunger
G-5	Spring
G-6	Spring Nut
G-7	Trigger
G-8	Hand Piece Body
G-13	Leather Cup
G-14	Spreader Washer
G-15	Nut
G-17	Large O-Ring
G-18	Check Valve
G-19	Filter Cap (optional)
G-20	Filler Cap Gasket
G-29	Hand Piece Assembly
G-30	Repair Kit
G-31	Tank-Cyl. Mild Steel
G-32	Back Pack w/Straps
K-9A	Aluminum Handle
K-10	Pump Nut with Lug
G-40	Tank-Cyl./S



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PANAMA CYLINDRICAL TREE MARKING GUN

ASSEMBLY: Connect one end of the hose to the cut-off valve on tank and the other end to the brass tee on the hand piece. These two connections do not have to be very tight; normally you can hand tighten them and then use the wrenches built into the pump handle and hand piece to snug up the connection.

CARRYING: The straps may be adjusted to put the Back Pack Carrier in the most comfortable position. Also, by loosening the tank strap the tank may be raised or lowered on the carrier to suit individual preferences.

FILLING: Remove the hand pump. The pump nut can be loosened by using the lugs on the aluminum handle. Raise it slightly so the lugs on the handle come in contact with the slot in the pump nut and then turn the handle counterclockwise. Fill the tank no more than 2/3 full, or about 1-1/2 gallons. We recommend straining the paint to prevent any solids from entering the tank. We also recommend using paint designed specifically for tree marking guns. This type of paint can be obtained from companies that supply forestry equipment. Replace the hand pump and tighten it in the same manner as it was loosened except in reverse direction. Do not over tighten. Close the F-3 Cut-off Valve. Apply pressure to the tank; 30 PSI seems to be about right. However, pressure up to 125 PSI can be safely applied. Proper pressure will depend on the characteristics of the paint used and the results desired.

OPERATING: To operate, open F-3 Cut-off Valve and control paint flow with trigger in the hand piece. In spot marking, open trigger all the way and release quickly. The size of the spot mark will depend on how long the trigger is held in the open position. The nozzle (G-1) is furnished with either a 3/64" orifice or a 1/32" orifice with the 3/64" being standard. The 1/32" nozzle uses less paint but the distance it travels is also reduced and it is used mostly for lettering. For boundary marking, order our G-34 Nozzle Adapter Kit which includes a G-35 Spray Nozzle Adapter, a G-36 Retainer Nut and also a G-37 Spray Jet.

CLEANING: This is the most important part of keeping your gun working and saving costly down time. When the paint gun is to be out of service for short periods of time, such as lunch time, the tank should be turned upside down and the trigger held back until the hose and the hand piece have been cleared of paint. Close cut-off valve until ready to use again. When you have finished for the day, the paint gun should be completely cleaned. Wash out the tank, hose, and hand piece with the same thinner used for the paint. Put some in the tank, pump up some pressure and blow it through the hand piece. If paint is allowed to dry on the G-4 Plunger it will start cutting the G-3 O Ring when the trigger is pulled back and paint will leak back on the trigger. Also, after long use, the hole in the nozzle may get out of round and cause the nozzle to seep paint. Normally a new nozzle will correct this problem. About once a week a few drops of oil should be put on the G-13 Leather Cup.

PANAMA TREE MARKING GUN

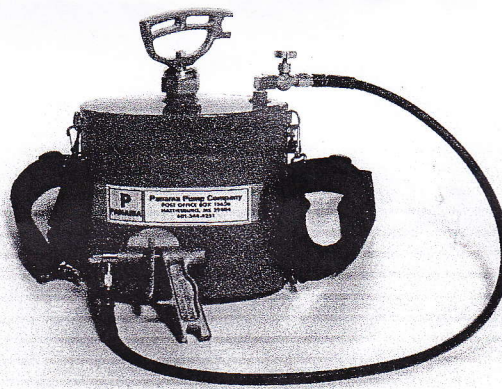
For over 50 years **PANAMA PUMP CO.** has been manufacturing quality Pressure Type Tree Marking Guns. These Tree Markers are available with the **ELLIPTICAL** tank which use 2" padded straps to carry the tank and the **CYLINDRICAL** tank which uses a back pack carrier to carry the tank. Both tanks are manufactured in both stainless and carbon steel. The stainless steel tanks are well suited for the water based tree marking paints. All Tree Markers have a built in air pump to pressurize the tank. The advantage of a pressure type tree marker is that the paint is forced from the nozzle by air pressure instead of having to use the muscles in you fingers and hand to mark trees. This feature greatly reduces the chance of developing Carpal Tunnel Syndrome and it makes spraying cold and thick paint much easier. You could spray over a gallon of paint with just one trigger pull. The Tree Markers are capable of spraying paint over 20 feet which makes marking the tree "just on the other side of the creek" possible and the self cleaning nozzle is cleaned every time the trigger is released.

The Tree Markers are available with a 3/64" nozzle for general tree marking and a 1/32" nozzle for lettering and when using tree marking ink. A nozzle spray adaptor is also available for painting a band on a tree. The tree markers have wrenches built into the pump handle and hand piece so no wrenches are needed to assemble or disassemble the paint gun for cleaning. All repair parts are readily available and under normal circumstance the tree markers should give many years of trouble free service.



PANAMA CYLINDRICAL TREE MARKER

- **BACK PACK CARRIER**
- **LARGER CAPACITY (1.5 GALLONS)**
- **HIGHER TANK PRESSURE**
- **USE EXTERNAL AIR SUPPLY**
- **MARK LARGER TRACTS OF TIMBER**



PANAMA ELLIPTICAL TREE MARKER

- **2" WIDE PADDED STRAPS**
- **LIGHTER WEIGHT**
- **CUT OFF VALVE ON TANK**
- **NO WRENCHES NEEDED**
- **SELF CLEANING NOZZLE**
- **1 GALLON CAPACITY**

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