

Instruction Manual for

Nupulse Goat Milker



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HAMBY DAIRY SUPPLY

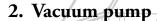
2402 SW Water St. Maysville, MO. 64469

1-800-306-8937 ● www.hambydairysupply.com

Instructions for assembly of Cow Bucket Milker

1. Unpack all items

Do not throw away packing materials as you may find small items in packaging materials.



Add oil (Conde Pumps Only). 10w40 motoroil is recommended.

Remove rubber plug on oil reservoir on top of vacuum pump. Fill the container with oil.

Vacuum pumps run on 115 volts. They come on when plugged in. For everyday use in your barn, or for remote mounting of vacuum pump, we recommend installing a 15 amp switched plug on your barn wall. This will allow you to turn the pump on and off with a switch instead of unplugging.







41000 Nupulse Oil-less Vacuum Supply

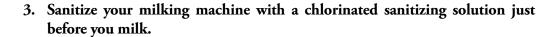
3. Assemble bucket

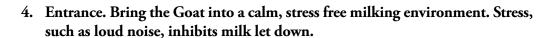
Put lid on bucket and snap handle into place.

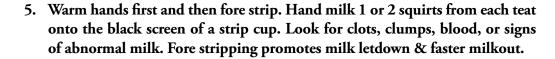
Instructions for Machine Milking Goats

Milk Goats like consistency. Milk at the same time each day. Follow the same routine each milking.

- 1. Wash your hands. Dirty hands spread disease.
- 2. Wear Nitrile Milking Gloves to reduce the spread of mastitis causing germs from your hands. The small cracks and crevices in human hands harbor a lot of bacteria including contagious Staph Aureus.







- 6. Teat Prep & Sanitation. The purpose of this step is to reduce the amount of bacteria on teat skin and promote milk let down.
 - -Teat Wipes: Wipe and massage each teat for 15 seconds. Use one wipe per goat or one per teat if they are visibly dirty. Teats will dry in a few seconds due to the alcohol in the wipes.
 - -Pre Dipping: (optional) Predip with Teat Kote 10/111. Wait 30 seconds, then dry off with a paper or cloth towel. Use one clean towel per goat. Do not reuse the towl as this may spread diseases from one goat to the next.
- 7. The goal is to milk clean, dry teats. Wet udders are a good conduit for bad bacteria and mastitis (udder infection). Wet udders may drip down to the top of the liner, and if the liner slips it will suck in the dirty water. Limit water use on the udder.
- 8. Apply the milker within one minute of the beginning of teat preparation. This maximizes the animals natural milk letdown (oxytocin), speeds up milk flow, and reduces the machine on time. Let the vacuum pull the milker onto the teat.

DO NOT force the teat into the liner. It only needs to go in about 1/2 inch.



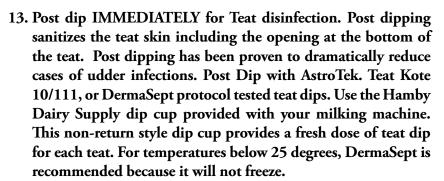


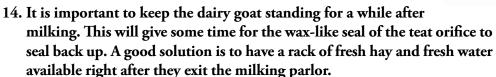




Instructions for Machine Milking Goats continued

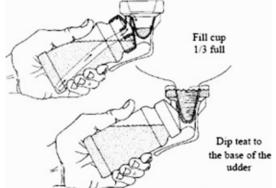
- 9. Adjust milking unit so it hangs square with out twisting the teats. A little forward tension will provide faster milkout.
- 10. The goat is finished milking when the large volume of milk flow drops off to a trickle. Milk out time should be 5 to 10 minutes on most goats. Pinch off the rubber milk tubes on the bottom of the inflations, then gently pull the inflation down off the teats.
- 11. Animals that were hard to milk by hand will take longer to milk with a machine. Most healthy udders will shrink significantly when milked out...Except for the first few days when the udder has a lot of swelling (edema). Usually the swelling leaves within a few days and then the udder should shrink when milked out. Dynamint udder cream will help reduce swelling if used in the first few days after kidding.
- 12. Should you post strip? No! Research has shown that post stripping may cause more harm than benefit. It may train the goat to hold back some milk and your hands will contaminate the teat end at a vulnerable time when the Keratin teat end seal is open. If the goat is not milking out properly, then you may need to adjust the way the milker is hanging, adjust the pulsator, or vacuum level, or have your milking machine checked for proper operation.





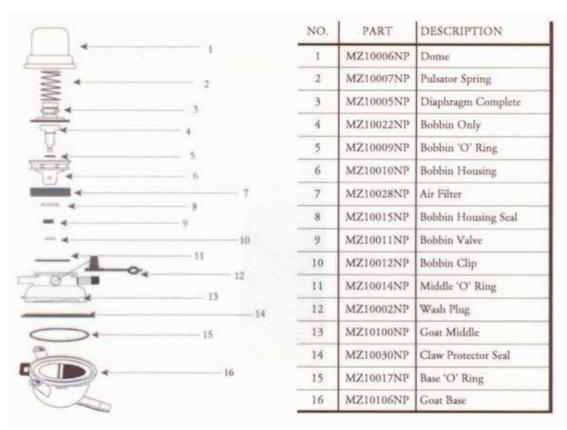








Original Claw



Operation:

To obtain the maximum performance from your NuPulse Milker, here are some helpful points.

- 1. Recommended vacuum levels are:
 - A. High line: Standard Unit 12.5" Hg
 - B. Medium Lines and Weight Jars: 11.5" Hg
 - C. Low Lines and Bucket Milkers: 10.5" Hg Note: Add 1" when using tube type milker meters.
- Pulsation rate should be set at 75-85 Pulsations per minute for Goat Units in static mode (non-milking). To increase the pulsation rate, turn the cam counterclockwise. To decrease the pulsation rate, turn the cam clockwise. Note: There is a (+) and a (-) molded into the top of the cam knob for reference.
- 3. Clean the air filter regularly.
- 4. Use hose hangers in stanchion barns to properly position the milker under the cow.

How to Clean Your Original Claw

water temperature should not drop below 110F du

Wash water temperature should not drop below 110F during recirculation cycle, and should have a Ph of 11.5 or higher.

C.I.P. Cleaning using Jetters

- 1. Put teat cups on Jetters.
- 2. Insert jetter tube adapters into claw wash port.
- 3. Manually clean the pulsator parts weekly or as needed.



NuPulse Claw Washer for 1 or 2 Goat Milkers (505-10126NP)

CAUTION:

Do not over tighten the claw parts when reassembling. Let the 'O' rings do their job.

Troubleshooting

Units Falling Off

- 1. Over milking
- 2. Wet, soapy teats
- 3. Worn rubberware
- 4. Vacuum level too low
- 5. Line flooding

Goats Kicking

- 1. Vacuum set too high
- 2. Pulsator malfunction
- 3. Stray voltage
- 4. Over milking
- 5. Sore teats

Pulsator Slows down or stops

- 1. Milk or vacuum hose kinked
- 2. Air leaks in claw
- 3. Bobbin hole plugged
- 4. Dirty air filter
- 5. Damaged or missing 'o' ring
- 6. Damaged diaphragm rubber

Units Speed Up

1. This is normal during heavy milk flow

Slow Milking

- 1. Vacuum too low
- 2. Worn inflations
- 3. Vacuum leaks
- 4. Clogged bowl vent (MLX)
- 5. Over milking
- 6. Milk hose or inlet valve undersized
- 7. Pulsator rubberware worn out
- 8. Line flooding too many units per slope, milk inlets lower 2/3 of pipeline.

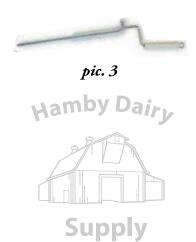
4 steps to Cleaning Your Bucket

Your milking machine must be kept clean and sanitary in order to have healthy milk that will keep without spoiling. Cleaning should be done immediately after milking. Don't let the milking machine sit dirty as the milk residues may dry on and then they will be much harder to clean. Your new milking machine will come with a one month supply of cleaning chemicals (Pfanzite) and 3 brushes for cleaning.





- Step 1: WARM RINSE with 2-3 gallon warm water. Draw the warm water (100 degrees) from a bucket through the inflations and hoses (vacuum pump on) into the bucket of your milker. Discard water.
- Step 2: HOT WASH with 2-3 gallon hot water (140 degree) and 1/4 cup of powder Pfanzite dairy detergent. Draw this wash solution through the inflations and hoses and into the bucket. Repeat this step at least 3 times with the hot wash solution.
- Step 3: WARM RINSE with 2 gallon warm water. Draw through milker. Hang all components so that they drip dry in a clean sanitary place. Store your pail upside down on an open shelf rack or use bucket hanger so that it may drip dry.
- Step 4: Remove lid, then remove lid gasket and brush lid with swiss pail brush (pic.2)



ACID RINSING OPTION

Acid rinsing is very important for removing milkstone. Milkstone is made primarily of calcium residues from the milk and from hard water. Milkstone likes to stick to stainless steel and glass. Other milk residues, such as protein and fat like to stick to milkstone. This will result in a buildup that will leave your shiny stainless steel looking dull. That buildup can contaminate your milk effecting flavor and quality. It also provides a good medium for bad bacteria to grow on.

If your milking machine gets a dull look, then prepare a solution of 1 gallon hot (140 degree) water along with 1 ounce of Citrophos. Draw that through the milker 4 or 5 times, then brush wash the outside with this solution.

Step 5: COLD SANITIZE with a chlorine solution 15 minutes prior to milking.



Washing Accessories & Supplies

Pfanzite powder detergent	25lbs.	7751-0041-033
Duophan	45 lbs. pail	7751-0041-074
Citrophos acid detergent	4 gallon	7751-0240-184
Long handle brush	(pic 1. above)	C-363FO
Swiss pail brush	(pic 2. above)	C-456FO
Inflation brush	(pic 3. above)	1150-003
Hose brush kit	-	1150-120K
Auto Bucket washer		56200
Small stainless steel sink		56195
Large 29 gallon SS sink	(38 inches x 20 inches)	1070-604
Wall mout or legs for large sink		1053SSWB
Mixing faucet - wall mount		1071-571

Replacement Parts for Goat Milkers

■ Inflations, Liners & Claws

Standard goat silicone that fits our clear & SS shell (1 year life)	4710 set of 2
Long stem rubber that fits clear shell & SS Jet flow (3 month life)	7750-2902-060 set of 4
Standard clear goat shell for above liners	4707 each
Long stem rubber that fits 06 SS shells (3 month life)	1100-022 set of 4
Long stem rubber that fits BM SS shells (3 month life)	1100-031 set of 4
Replacement stainless steel shell for goat liners	4317g each
Small silicone fits clear shell for Nigerians, & sheep (1 year life)	
Small clear goat shell for mini inflations	4807 each
ITP 205 claw for 1/2" tubing	
Replacement for Quickie claw	

■ Milk, Vacuum & Pulsation tubing (replace at least once per year)

5/8" Silicone Milk Hose opaque	1090-096FTper foot
1/2" Milk Hose clear with blue stripe	1090-002VFTper foot
Twin pulsation hose	7750-0112-618FTper foot
Single pulsation hose	4715per foot
Clear Vacuum Hose - thick wall blue stripe	1090-002VFTper foot
Clear Milk Y 5/8 x 1/2 x 1/2	ITP2020009each
Pulsation Y for 1/4 tubing	7140each
Bracket to hold hoses and Y's	ITP2040010each 📹
Shut off for 3/8 milk hose (green plastic)	4339each
Shut off for 1/2 milk hose (green plastic)	4750each
Shut off for 5/8 milk hose (white plastic)	21910each
Shut off for 5/8 milk hose (stainless steel)	



Shut off for 1/2 milk hose (green plastic)

■ Lid Gaskets



Gasket for NuPulse buckets-OEM thicker USA quality

■ Pulsators and adaptors

Interpuls long life pulsator with filter 60/40108	
ITP repair kit for LL90 pulsator 60/40	1081-152
ITP repair kit for L80 pulsator 60/40	1081-154
ITP mount for our bucket lid	1081-173
ITP permanent mount	161406



ITP Lid Mount

■ Vacuum gauges and regulators

Small vacuum gauge for portables 2 inch dia	7124
Better vacuum gauge for portables (glycerin filled)	
Generic vacuum gauge 3.5 inch dia	7135
Brass vacuum regulatorall portables up to 1.5 HP 3/4 NPT	7121
Foam filter for our vacuum regulator	7122



Vacuum Gauge 2.5 inch Glycerin Filled

Order List for our most popular Dairy Supplies

Nitrile Milking Gloves	Nitrile Milking Gloves with aloe
Strip Cup with black screen	Nitrile Milking Gloves plain
CMT Kit	Strip Cup with black screen
Milk Check Teat Wipes	Milk Check Teat Wipes
	Hamby Dairy Supply Side Dipper Teat Dip Cup

DermaSept Teat Dip



Dynamint Udder Cream