Auto Sampler

This meter, formerly called the FV meter, has undergone numerous upgrades to meet more specific market niches.

The Auto Sampler accommodates fast sampling under all conditions and delivers a consistent sample size. No hose changes are needed during washing and the entire meter and sampler cleans easily in place. This meter also has a stronger lower valve housing than the old FV meter and now comes in a more compact size—82-pound capacity.

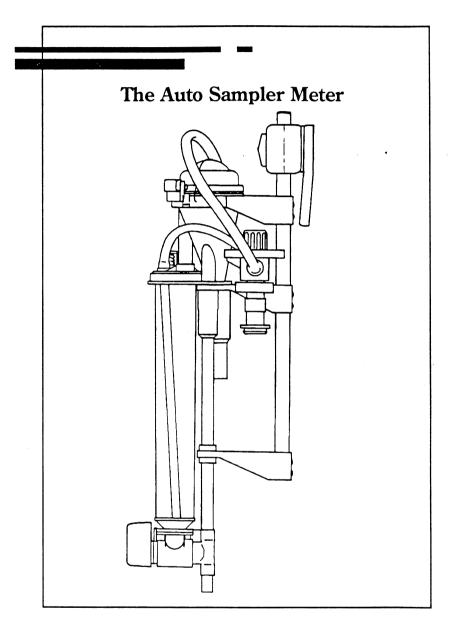
■ Installation

The meter should be mounted as close to vertical as possible. Within five degrees does not affect the accuracy. The meter should be located as close as possible to the milk line. All milk hoses from the claw/cluster to the meter and from the meter to the milk line should be kept to a minimum to avoid sagging and possible milk reading errors.

■ Operation

The sampler which accompanies this meter is delivered with the dial fully unscrewed (valve open). Shut the valve (turn the dial fully clockwise) before taking each sample.

At the end of milking,



open the valve (turn the dial counter-clockwise) to the same reading as shown on the flask.

If you turn the dial too far, fully rewind it, leave it closed for 15 seconds, then start again. Open the air admission

valve by depressing the button for approximately one second or lifting the rubber flap until the flask is empty.

Return the dial to the fully closed position and exchange vials. The meter is now ready for the next cow.

■ Connection of Hoses

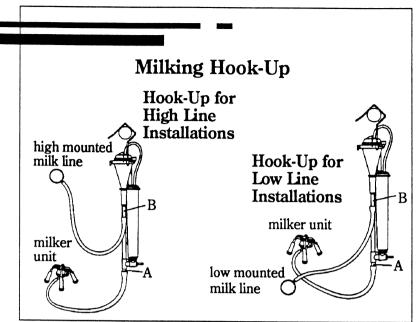
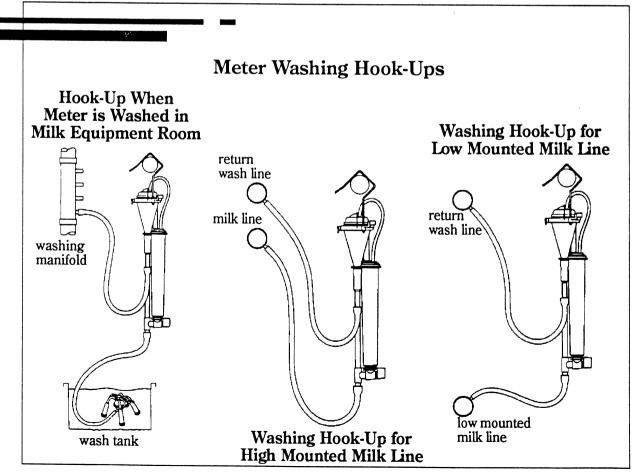


Figure 2

Figure 2: Attach the milk hoses from the milker (milking claw) to the milk meter inlet tube (A) and from the milk meter outlet tube (B) to the main milk line. Make sure the hoses are kept to a minimum to avoid sagging and consequently possible errors in reading the milk weights.

If a take-off unit is used, connect your meter between the take-off and the milk line.

■ Cleaning the Auto Sampler



■ Cleaning the Auto Sampler (continued)

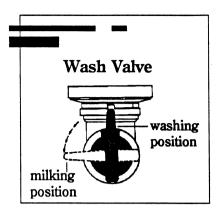
There is no need to reverse hoses on this model-leave the hoses in the milking configuration.

Valves should be taken apart and cleaned at least twice a month manually. Replace orings at least once a year.

Set the valve to 12 o'clock, the wash position. (see diagram at right). Turn the sampler counter clockwise to the open position.

The o-ring on the samping device needs to be cleaned daily. Once a week, brush lightly around and inside the sampler base and sealing ring groove area.

When not in use, the wash valve should be left in the milking position. • •



■ Troubleshooting

A guide to troubleshooting symptoms

Symptom

Flask Filling Too Fast

- Valve in wrong position
- Hoses reversed
- Wrong flask used
- Damaged meter cover or nozzle
- Bodmin Nu-pulse system
- Zero systems

Abnormal Reading

- Meter more than five degrees from vertical
- Flask sealing ring leaking air
- Defective wash valve
- Insufficient vacuum
- Dirty meter
- Air vent in milker unit plugged
- Damaged cover or meter body
- Cover deflector point damaged or blunt
- Cracked flask
- Nozzle partially obstructed
- Nozzle damaged

No Sample in Flask

- Hoses not connected
- Flask not seated on sealing ring
- Rocker valve stuck
- Flask sealing ring damaged/missing
- Damaged flask
- Damaged meter cover or body
- Nozzle blocked
- Wash valve leaking air

Solution

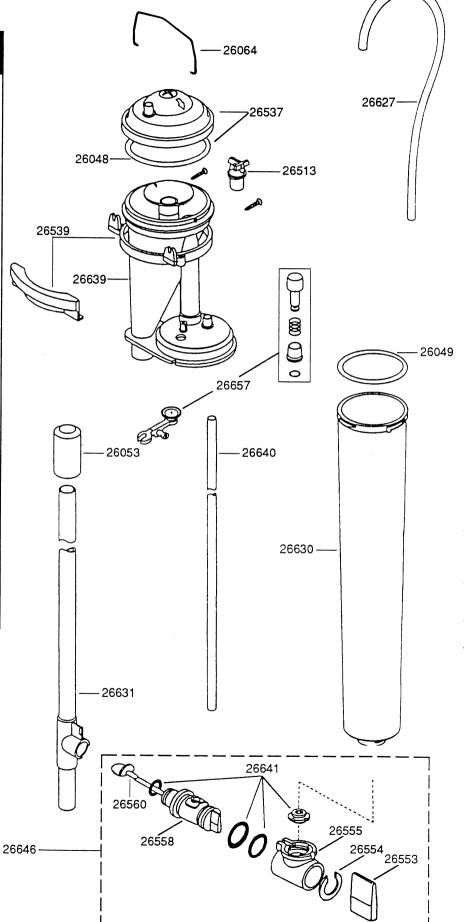
- Place in milking position
- Correct hose connections
- Replace with correct flask
- Repair/replace
- Fit Bodmin adaptor on inlet tube
- Must use air vent between meter and any mechanical device to milker
- Reposition to vertical
- Replace sealing ring
- Replace sealing rings or get serviced
- Increase vacuum by 1"
- Clean meter
- Clean air vent
- Replace component
- Replace component
- Replace component
- Remove obstruction carefully
- Replace component
- **■** Connect tightly
- Tighten flask by turning clockwise
- Free rocker valve
- Replace component
- Replace component
- Replace component
- Clear obstruction carefully or replace component
- Replace component

FV Model

No.	Description
26048	body to cover seal ring
26049	mach to body courting
26053	
	(9/16" x 2.5")
26064	aray coron only
26513	nozzle (102 lb.)green
26516	outlet sleeverubber5 cm
	(5/8 " x 2")
26537	coverblack topwith nipple
	added w/ o-ring
26539	mounting ring for FV
26553	Total Tarro Harland
26554	FV lower valve circlip
26555	FV lower valve housing (outer)
26558	FV lower valve core (inner)
26560	
26562	Use #26518identical part
26627	silicone milk transfer tube
26630	
26631	FV T-piecelong
26639	FV bodyw/ push botton air
	admission(102 lb.)
26640	in-flask dip tubeFV meter full-size
26641	lower valve o-ring set
26646	FV lower valvecomplete
	assembly
26657	air admission kitpush button
	includes rocker

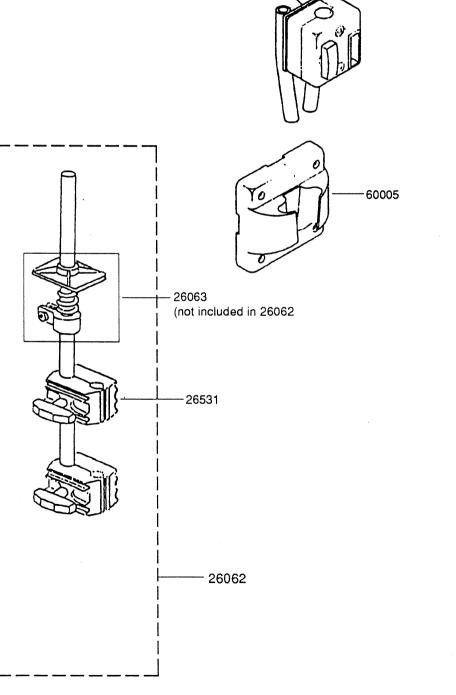
26516

-26562



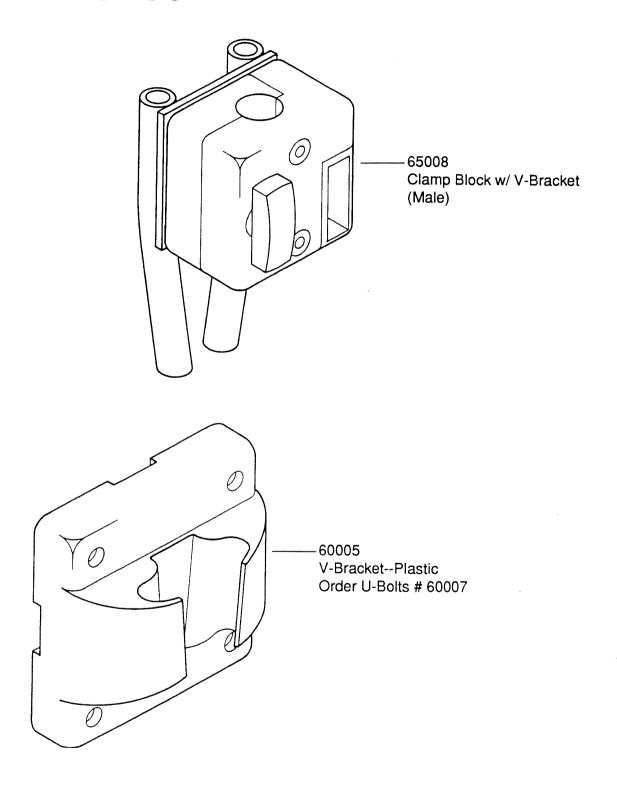
Extendible Tube Bracket

Part No.	Part Description
26062 26063 26531 60005	extended tube bracket clamp spring unit tube clamp for extendible bracket V-bracketplastic Order u-bolts #60007
	dering from Northeast DHIA: V-bracket #CHP-2 U-bolts #UBN clamp block w/ v-bracket (male)

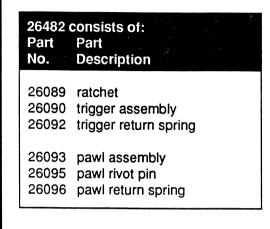


65008

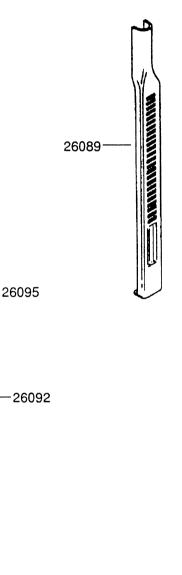
Clamp Block & V-Bracket



Ratchet, Pawl & Trigger Kit



26096



26093

26090