

It's the NEW

For mixed pint sample
Testing with 40% filter
area.

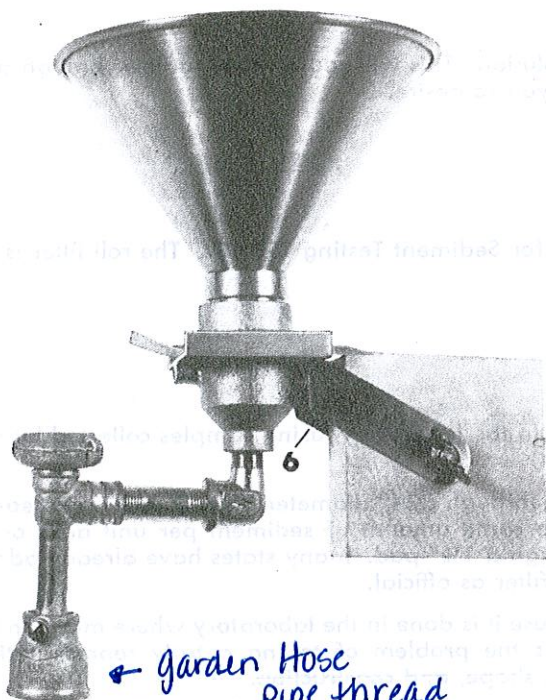


BULK TANK SEDIMENT TESTER Model "J"

ALSO USED AS LABORATORY SEDIMENT
TESTER OR SCORCHED PARTICLES TESTER

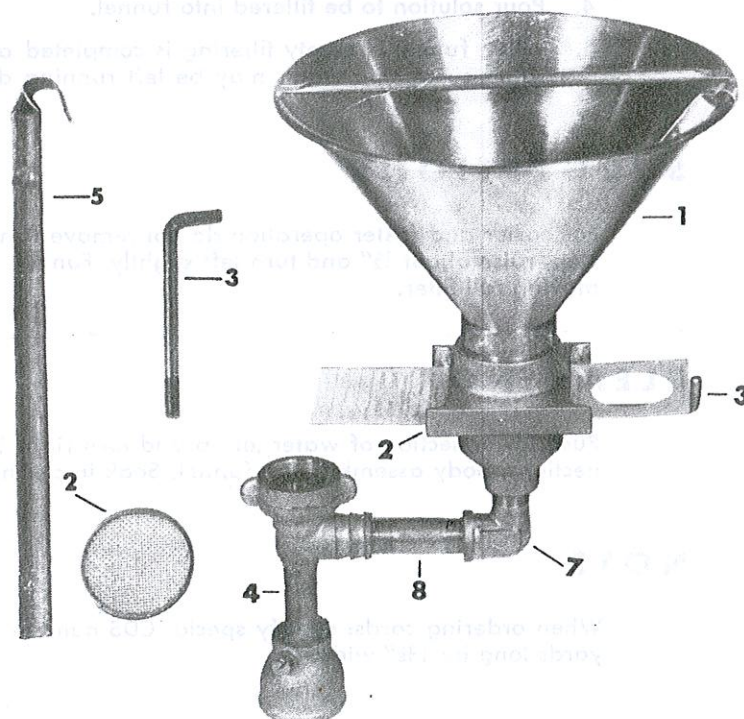
PARTS

1. Funnel Assembly
2. Body Assembly (including screen)
3. Card Stop Rod
4. Water Jet (Aspirator)
5. Baffle
6. Bracket for Roll Filter
7. 90° Elbow
8. Nipple



PATENT PENDING

Garden Hose
Thread



Bracket for roll type filter is standard equipment with this new CDS Sediment Tester, thus giving you a choice of either roll type filter of card mounted filter. However, either may be used for scorched particles and/or laboratory Sediment Testing.

ASSEMBLY

- A. Screw aspirator (water jet) to thread end type water faucet.
- B. Screw Body assembly to aspirator (water jet) by means of brass fitting. Be sure body assembly is level.
- C. Screw card stop rod into either right hand or left hand boss on side of body assembly. Adjust length of card stop rod by inserting test card (cellophane end first) for proper alignment of card to screen area. Tighten card stop.
- C-1. If you desire to use roll type material, fasten roll bracket to card stop-rod hole, with enclosed screw. Remove wing nut, remove bolt, insert box of roll material, and then replace bolt and wing nut. Pull roll filter through body far enough for a finger grip.
- D. Place funnel assembly into position in body assembly and turn $\frac{1}{4}$ revolution. $\frac{1}{4}$ revolution will lock card and filter material (or roll filter) into "by-pass proof" position. It is not necessary to exert pressure on the funnel when placing into position. Slight $\frac{1}{4}$ revolution is ample.
- E. Place baffle in funnel so that clip of baffle is over lip of funnel. Slide baffle against handle to act as stop.

OPERATION

1. Place test card in slot of body assembly until card touches card stop.
- 1-A. If using roll filter pull material through far enough for a finger grip.
2. Place funnel in body assembly. Turn right $\frac{1}{4}$ turn or until lowest part of funnel locks filter material in "by-pass proof" position.
3. Turn water faucet to full opening, thus creating maximum vacuum.
4. Pour solution to be filtered into funnel.
5. When funnel is empty filtering is completed and water may be turned off. If tests are to be run in rapid succession water may be left running during card (or roll material) changes.

SUGGESTIONS

For easier and faster operation do not remove funnel assembly from body assembly. Just turn left to stop, raise about $\frac{1}{2}$ " and turn left slightly. Funnel will remain in raised position for changing cards or moving roll filter.

CLEANING

Push lower section of water jet up and turn right $\frac{1}{4}$ revolution. This will cause water to flow through connections, body assembly and funnel. Soak in cleanser if you so desire.

NOTE

When ordering cards: specify special CDS number or 50 for Sediment Testing "SP-10". The roll filter is 35 yards long by $1\frac{3}{8}$ " wide.

FOR BULK TANK TESTING

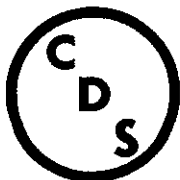
A new, faster more efficient way to take sediment tests — in the laboratory, using samples collected by the driver — when-ever desired.

In the Model "J" tester, 1 pint of milk is vacuum filtered through a .4" diameter hole. Extensive research has shown that one pint of agitated milk will deposit the same amount of sediment per unit area on a .4" filter as pint taken "Off-the-bottom and filtered through a $1\frac{1}{8}$ " pad. Many states have already adopted the new agitated-milk system with the .4" diameter filter as official.

The Model "J" tester makes sediment testing easier because it is done in the laboratory where milk can be conveniently warmed to 70° — 90° F. Moreover it avoids the problem of taking a truly representative sample Off-the-bottom from bulk tanks of different size, shape, and construction.

This new system saves money because it eliminates going to the farm to make the test. The 1 pint sample can be collected by the driver in your customary bottles or in a sterile polyethylene bag and brought to the laboratory for more accurate, more uniform, and quicker testing under ideal conditions. Portions of the same milk sample can also be used for bacteria count and/or butterfat test.

While the Model "J" tester is designed for the laboratory, its simplicity also makes it highly suitable for demonstration testing on the farm. The farmer thus may quickly see for himself how his milk tests. The evidence is immediately ready for use in any desired manner . . . for acceptance, for warning, for penalty, or for rejection.



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