



GAMMON TECHNICAL PRODUCTS, INC.
P.O. BOX 400 - 2300 HWY 34
MANASQUAN, N.J. 08736

PHONE 732-223-4600
FAX 732-223-5778
WEBSITE www.gammontech.com
STORE www.gammontechstore.com

**APPARATUS TEST
METHOD D5452**

**BULLETIN 151
(8-10)**

SUPPORT STAND AND APPARATUS FOR ASTM TEST METHOD D5452

Designed for safety from electrostatic hazards during filtration

To collect solid contaminants from a fuel sample for gravimetric determination

Hands-free method for transferring sample to the filter funnel

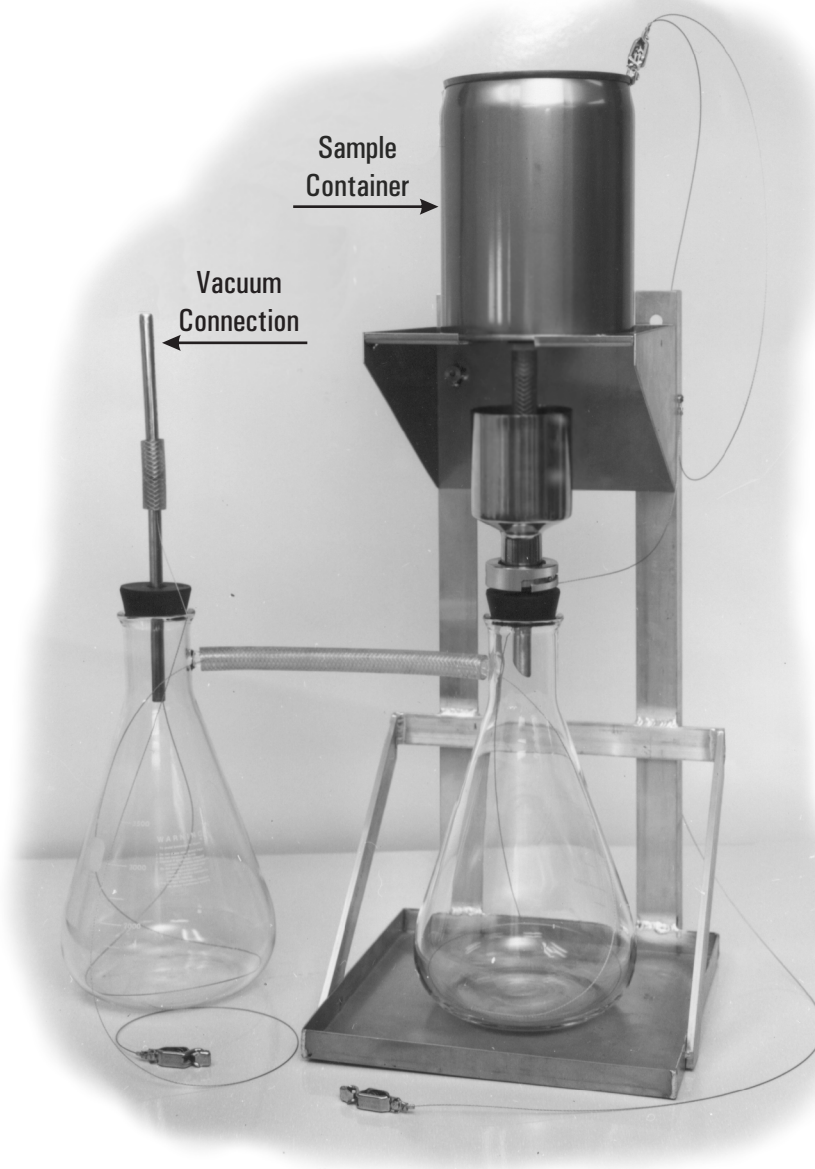
Support stand in accordance with ASTM Method D5452

Stable support is adjustable, aluminum construction

Accessory items for D5452 procedure are available

This apparatus is well suited to perform three tests:

- Gravimetric determination of particulate content, per D5452
- Membrane color per D5452
- Filter time test per US Air Force Technical Manual T.O. 42B-1-1



DESIGNED TO AVOID ELECTROSTATIC HAZARDS ELIMINATES NEED TO HOLD CONTAINER WHILE POURING INTO FUNNEL

As described in ASTM Method D5452, the support stand is designed to hold the container that was used to collect the jet fuel sample in the field. There is no need to transfer the sample from the collection container to another container, thereby eliminating possible contamination from the second container.

Using a flexible dispensing tube assembly that fits the thread of the port in the top of the sample container, the operator closes the tube with the clip to prevent the release of fuel when the container is being turned upside-down to place it on the support stand upper shelf. The tube is then positioned in the filter tunnel before releasing it. This allows fuel to fill the funnel but it will not overflow because air must return to the container through the same tube. The filter funnel remains full in the same way that a bird feeder operates because the lower end of the tube is below the fuel surface in the funnel.

Vacuum in the collection flask draws fuel through the membrane filter desk that is positioned at the base of the filter funnel. Hands-free operation is assured. The operator is no longer required to hold the container as fuel is poured into the filter funnel. The potential for spillage is virtually eliminated.

HOW TO ORDER

GTP-8368	Complete apparatus assembly, including each of the following items
GTP-8197	Support test stand
GTP-8199	Flask, 4 liter, graduated (2 of these are included when GTP-8368 is ordered)
GTP-8369	Dispensing plug for 1 gallon sample can
GTP-8370	Dispensing cap for 1 gallon sample can (see second note below)
GTP-8372	Flask to flask connect hose
GTP-8373	Vacuum attachment/stopper assembly
GTP-8374	Flask bonding and grounding cable
GTP-8375	Apparatus bonding and grounding cable
GTP-9563	Filter holder/funnel assembly

NOTES: GTP-8368 now includes one 1-gallon sample container (TL-2935B1) as shown in photo

GTP-8370 dispensing cap for 1-gallon sample can is an optional extra item in GTP-8368. These caps are formed from sheet metal and fit oblong cans only.

DISPENSER FOR FILTERED FLUSHING FLUIDS

This type of 1-liter dispenser is specified in various ASTM test methods such as D-2276 and D-5452 which are used to determine the weight of contaminants that are in fuel samples. One dispenser is recommended for isopropyl alcohol to flush particles off of laboratory apparatus before it is used to insure that those particles are not included as contamination in the fuel sample. A second dispenser is used for petroleum spirit (either) to flush residual particles out of the sample container and off of the funnel that was used to deliver the fuel sample from its container onto the filter membrane after the container contents have been passed through it. Both dispensers are equipped with filter housings to remove particles from the isopropyl alcohol and from the petroleum spirit. A packet containing 10 of 0.45³³ membranes (25 mm diameter) are included with each dispenser. Replacement membranes are available in a packet of ten (order GTP-9582).

The squeeze bulb develops pressure in the 1 liter flask, forcing fluid into the tubing and through the filter membrane. Gammon Technical Products manufactures the aluminum filter housing and membrane support using reagent resistant materials.



TL-9555