

CRYOGENIC SAMPLER TYPE TTU-131/E

TDS-806-4
REV 2-95

FEATURES

Designed to meet MIL-S-27626
Suitable for use with all cryogenics and LNG*
Shielded cup sampling method
Equipped with burst disc and pressure gauge
Carrying case requires no overpacking for sample shipment
Designed for ease of operation and for LOX cleaning

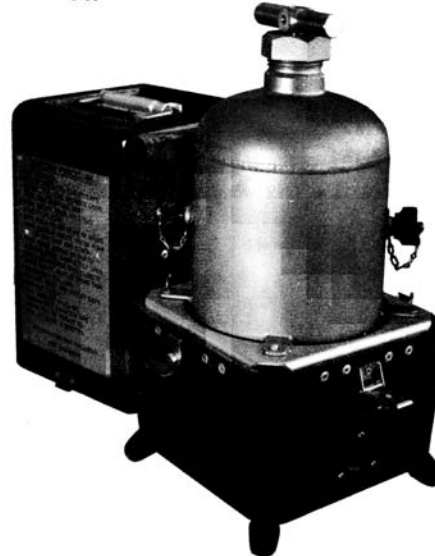
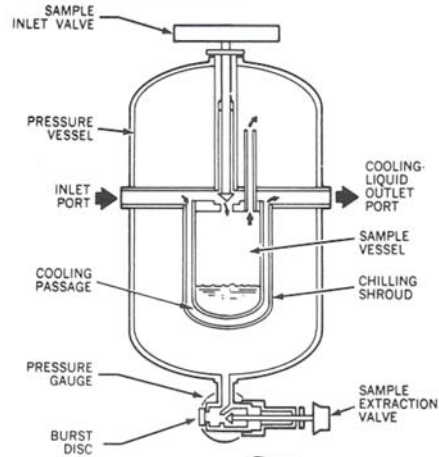
APPLICATION

A sample of liquid is drawn into the sample vessel, and the liquid then vaporizes into a gas. The total volume of the vapor and sample vessel is 4.4 liters. The ratio of the volumes is such that the final pressure of the gas sample is 300 to 500 psig for DOT 4B-500 (-1, -3, and -11) and 200-250 psig for DOT 4B-250 (-5).

The Cosmodyne shielded-cup sampling method prevents contaminant concentration in the sample and permits an accurate analysis of the supply source purity.

* It is the users responsibility to comply with federal, state and local regulations regarding transport or shipment of the sampled gas, and periodic retesting requirements of the pressure vessel.

FLOW SCHEMATIC



COSMODYNE

2920 Columbia Street • Torrance, CA 90503 • USA
Phone: (310) 320-5650 • FAX: (310) 320-5688 • Telex: 67-3673

OPTIONAL ACCESSORIES

FOR STANDARD SAMPLING APPLICATIONS

Hose 2601215-1 6 ft. Convoluted Metal
Hose 2601191-1 6 ft. Insulated Convoluted
Metal for LH₂ Applications*

FOR MILITARY SAMPLING APPLICATIONS

Hose Assembly 2702476-1 6 ft. consisting of
Hose MS 24548-8-72 6 ft. Teflon Lined
Coupling C 8991174 Ordnance Coupling
Adapter 2702439-1 Hose-To-Coupling

SPECIFICATIONS

Configurations:

P/N 2702500-11 (500 psig, commercial)
P/N 2702500-1 (500 psig, military)
P/N 2702500-3 (500 psig commercial)
P/N 2702500-5 (250 psig, commercial)
Specify Hose Desired From List of Option-
al Accessories above

Connections:

Inlet—1/2 inch AN male
Outlet—3/8 inch AN male

Water Volume: 4.4 liters

Normal Operating Pressure:

500 psig (-1, -3, and -11)
250 psig (-5)

Vessel Hydrotest Pressure:

1000 psig (-1, -3 and -11)
500 psig (-5)

Burst Disc Rating:

630±30 psi @ 72°F (-1, -3, and -11)
260 psi±10 psi @ 72°F (-5)

Applicable DOT Regulations: 49 CFR 71-78,

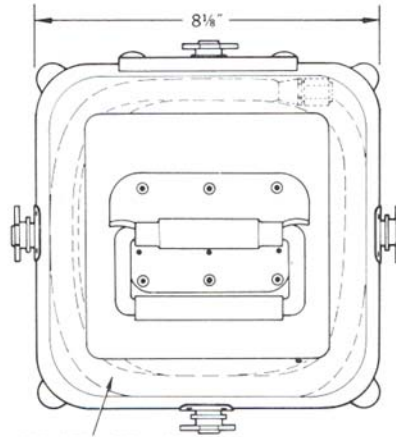
Specification 4B500 (-1, -3, and -11),
Specification 4B250 (-5)

Carrying Case Dimensions: 8.125 x 18.0 inches

Empty Weight: 37 pounds

U.S. Patent Number: 3,123,982

* It is the user's responsibility to comply with federal, state, and local regulations regarding transport or shipment of the sampled gas, and periodic retesting requirements of the pressure vessel.



HOSE STORAGE INSIDE CARRYING CASE COVER

