



Important Features of the PCS Microbulk Truck and Trailer

All **PCS Microbulk Trucks and Trailers** are designed and built to hold up to the rigorous demands of over-the-road operation.

- Stainless steel valves and piping
- Hydraulically driven Nikkiso TOP 190 Pump capable of pressures up to 500 psig
- Handy hand-held operating pendant
- Turbines CDS 2000 meter
- 3/4" microbulk and 1-1/2" bulk hoses included

Specifications

Codes & Standards: AMSE SEC VIII/DIV 1, CGA 341

Water Volume Capacity (Gallons):

PCS TRUCK MOUNT				
Water Volume:	LIN	LOX	LAR	MULTI-SERVICE
	3600	2800	2300	3200

PCS TRAILER MOUNT				
Water Volume:	LIN	LOX	LAR	MULTI-SERVICE
	4500	3600	3200	3200

Maximum Allowable Working Pressure (MSWP): 45 psig

Design Temperature: -320° to 100°F

Nominal Evaporation Rate: 0.35% per day

Nominal Flow Rate Range: 8 to 130 GPM

For additional technical information, or to request a quotation, please contact us:

Additional Features and Details

- Bobtail truck-mounted or dropped-deck trailer mounted (pony motor with hydraulic), or micro-trailer configurations available
- Operator friendly piping compartment layout, familiar to transport operators, makes training straightforward
- Hydraulic driven cryogenic pump delivers up to 500 psi discharge pressure for oxygen, argon or nitrogen!
- Dispense metered flow into microbulk vessels at 10 to 35 GPM using the 3/4" hose, or make bulk deliveries at up to 130 GPM using the 1-1/2" hose
- The operator simply opens the Recirculation By-Pass ball valve when filling microbulks and closes it when filling bulks. An orifice in the By-Pass circuit only lets the flow that cannot be pushed through the 3/4" microbulk fill hose to recirculate instead
- A rugged, weather-proof, shock-resistant, Danfoss PLUS+1 Advanced Mobile Machine Management Controller (not a PLC), designed for mobile oilfield applications, is used to control the Auto-Stop Fill function (PermaCyl and Express-Fill microbulks) and pump speed only
- A "Throttle" valve assists the operator in catching prime and controlling back-pressure on the pump. There are only two automatic valves; the Cylinder Fill valve and the Recirculation valve
- A handheld pendant, with a durable, coil-retractable cable, permits the operator to easily control the pump speed and fill operation at the customer tank. The handy pendant includes: START MICROBULK FILL, START BULK FILL, STOP ALL FILLS and E-STOP buttons, as well as a PUMP SPEED CONTROL knob



PCS Microbulk truck



Hydraulic wet-kit



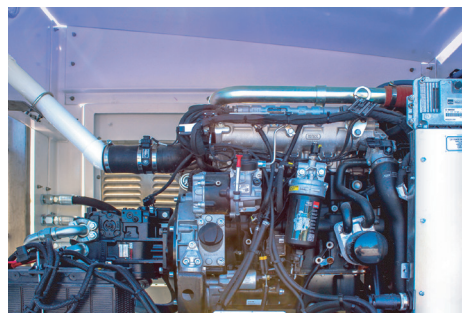
Pressure building unit and hydraulic lines



PCS Microbulk trailer



Piping compartment



Diesel pony motor driven hydraulic pump on dropped deck trailer models and optional on micro-trailers

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