

Paint Dispensing System

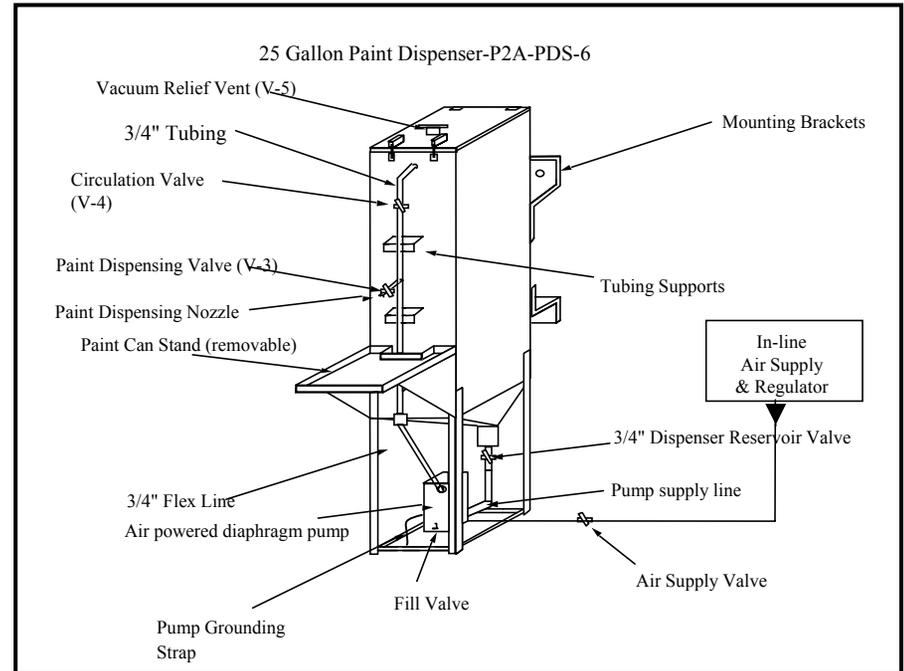
General Information

- The U.S. Navy-developed Paint Dispensers hold 25-gallons of Navy-standard paints in airtight, stainless steel containers.
 - The Dispensers can store paint (single component or one element of dual-component paints) without curing; maintain the paint homogeneity via a circulation system; and dispense paint in variable quantities.
 - The Dispensers are made entirely from stainless steel 304, unless noted otherwise, and pneumatically-powered by a diaphragm pump.
 - Other features include a removable strainer, a removable paint can stand tray, and a removable lid. The pump allows for up to four gallons per minute to be dispensed or circulated.
 - Reduces the amount of paint needed to be purchased, and reduces the costs associated with disposal of excess hazardous materials.
- The system eliminates most paint spillage, reduces waste due to spillage and over-issuing, while improving paint performance due to mixing and more accurate ratio measuring of two-component paints.
 - TM Number SG200-DA-MMC-010
 - APL: 419990364
 - NSN: 4940-01-467-3245



Operational Information

- Air Requirements: 5 scfm @ 60-80 psi (when mixing or dispensing paint)
- Thoroughly mix paint before adding to paint dispenser. Add 5 gallon cans via the tubing and fill valve.
- Circulate the paint through the dispenser for a minimum of 30 minutes per day to ensure homogeneity of the product, smooth dispensing, and prohibit skinning and drying of the paint.
- The dispensers operate optimally when maintained with between 10 to 20 gallons of paint. Do not let level get below screen
- To dispense paint:
 - Open the air supply valve.
 - Slowly open the paint dispensing valve.
 - Throttle circulation valve as necessary for proper paint flow.
 - When finished dispensing paint, close paint dispensing valve.
 - Open circulation valve.
 - Close air supply valve.
- Return unused reusable paint to the proper dispenser.



- Screen has to be properly seated
- Clean dispensing valves periodically
- Do not shut pump off by closing recirculation valve, close air supply valve

Safety Information

- The personnel protective equipment required when operating the system is limited to what is required during general paint locker operation.
- The dispenser pump must circulate the paint 30 minutes each day. Failure to do so will cause paint to harden in the pump and the dispenser will become inoperative.
- Do not let pumps run dry.
- Never combine two-component paints into one dispenser.
- Do not return unused mixed two-component paint into the dispensers.
- Check moisture trap on air line and drain off accumulated water.
- Keep lid gasket free of paint. Lid will stick shut if gasket is coated with paint.

Application Information

Amount of paint issued	Approximate surface area covered with one layer of 6 mil wet film thickness
1 Gallon	267 ft ²
1 Quart	67 ft ²
1 Pint	33 ft ²