



Prevent Product Carryover into the VP Pump

Inspect the 1100 Primary and 1103 Secondary Float Shut-Off Valves.

1. Check alignment of the valve *Disc* with the *Seat*. Place a sliver of paper, approximately one quarter of an inch wide, between the *Disc* and *Seat*. Close the valve by gently lifting the *Lower Arm*. If the paper can be easily removed in any position around the *Disc*, the valve needs to be adjusted. In most cases this can be done by repositioning the Upper Arm.

Note: a very small leak under high vacuum will inject a large quantity of material into the air system that will eventually end up in the pump.

2. Pressure Test Air System piping located inside the tank for pin holes or leaks as described in the Operators Handbook.
3. Make sure that the VP tank is sloped a minimum of 4 to 8 inches to the rear and the air or vapor space is in the front of the tank, not in the rear, to prevent sloop and carry over when operating and during transportation. This is a must to completely drain or washout the tank helping to prevent corrosion and pitting in the bottom.

Note: Load light and hot products, which have a tendency to foam, through the bottom Discharge Valve. Throttle the Bleeder Regulator Valve to maintain the lowest amount of vacuum required to load the product. The air rushing into the Dome will pocket the air and keep the hot and/or foamy product below the Primary Float Shut-Off Valve, to help prevent or minimize carryover into the Air System.

Inspect the 1106 Liquid Entry Preventer and 2107 Centrifugal Scrubber for integrity. Remove the SS Mist Extractor and steam clean as required.

Note: Never open the 1106 or the 2107 Drain Valves when under (External Pressure) vacuum. The product that has been separated and stored in these components will immediately be injected directly into the VP Pump.