

Items to check if GMP or GRP series of equipment is off ratio

The following is the list of items to check if the equipment is not dispensing the correct ratio for the GMP or GRP series of equipment. Please note that some items included in this procedure are not included with all supplied equipment. Please use all safety devices such as but not limited to gloves and eye protection. When working with solvents do so in a well-ventilated area free of combustible items. Take every effort not to mar or damage any surfaces that come in contact with materials.

If you suspect the ratio is incorrect and the dispense valve is in good condition, check the following:

1. Verify that the air inlet to the tank is in good condition. The air goes into the tank through an air drier canister. Check that the canister has holes in both ends and is not clogged with material. Next, check that the tubing from the tank to the lid are not blocked. Also, check that the crystals inside the canister (through the little window on the side) are light blue in color. Replace if pink in color.
2. Check the hoses for blockages. Removing them and clearing by blowing compressed air into them, and comparing the airflow through the hose can sometimes do this. It may be necessary to flush them with solvent first.
3. Check for blockages on the inlet side of the pump with the reduced output. The round inlet block will have to be taken off the back of the pump, then inspect the piping leading from the tank to the inlet block. If a blockage is found, it may not be necessary to go any farther.
4. Clean and rebuild the pump. Check that the inner and outer gears are tight against each other. (Note: be careful not to damage the inner pump parts when disassembling or cleaning. Replacement parts for the gerotors are available only as a complete pump!) ****Remove all crystallized or partially hardened material from all surfaces that contact the material.**
5. Check the outlet assembly (the piping between the pump and the hoses) for blockages.
 - 5.1. Note, any material that is left in the machine that is partially or completely hardened, or foreign objects, will eventually cause a problem somewhere and should never be left in the pump.