Note:
- Regular and conscientious cleaning increases the operating life of the equipment and ensures a more consistent coating quality!
- Compressed Air for cleaning should be clean from any oil, moisture or dirt particles.
- Particulate Filtration: 5micron. Coalescing Filtration: 85ppm, 7gr
- Recommended cleaning air pressure: 60-90psi

OptiFlow Powder Pump Daily Maintenance
- Performed every 4 hours
- For example, beginning of shift, lunch and end of shift
- Turn off power to control units before cleaning
- Pumps should be cleaned prior to cleaning manual guns

- All red/black air tubing, pumps and powder hose should be labeled with number that corresponds to the same OptiStar control unit.
- OptiStar Control Unit should be labeled as well.

- Having two sets of pumps and swamping pumps every 4 hours to clean off line is recommended

- Ensure the manual gun threaded sleeve and flat spray nozzle have been removed from the muzzle (barrel end) of the gun prior to performing cleaning procedure
1. Release the red conveying and black supplemental quick disconnects from the powder pump and set aside.

2. Remove the pump from the hopper by grabbing pump body and twisting pump back and forth as you pull up to remove pump from hopper pump mount.

3. Remove the black nut and powder hose from the pump and set aside.

4. Remove the white pump insert & place in cleaning bin.

5. Set powder pump in bin for cleaning.

6. Repeat steps 1-5 for all powder pumps.

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1. Grab powder hose with one hand and hold securely

2. With air blow off gun in other hand locate nozzle end into the opening of the metal hose connector

3. Engage air blow off gun with 2 short blasts of air and 1 long blasts of air as you wiggle and jiggle the hose up and down

4. Repeat steps 1-3 above for remaining powder pumps.

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1. With air blow off gun blow out any settled or impacted powder within hopper pump mount.

2. Install powder pump onto hopper pump mount by pushing downward and twisting back and forth until fully seated

3. Install clean white pump insert into pump

4. Install metal hose connector and black nut onto pump body and tighten.

5. Reconnect the red conveying and the black supplemental quick disconnects to the correct pump red and black check valves.

6. Repeat steps 1-5 for all powder pumps.
Please Note the following Procedure should be completed offline and not during powder coat operation within the powder booth.

1. Using air blow off gun in one hand and the powder pump in the other hand blow through the red conveying check valve.
2. 2 short blasts of air will suffice.

Never blow into the outlet of pump as powder could flow into check valves and create blockage of air.

1. Using air blow off gun in one hand and the powder pump in the other hand blow through the black supplemental check valve.
2. 2 short blasts of air will suffice.

Never blow into the outlet of pump as powder could flow into check valves and create blockage of air.
1. Using air blow off gun in one hand and the powder pump in the other hand blow off exterior of powder pump.

Never blow into the outlet of pump as powder could flow into check valves and create blockage of air.

1. Blow off the interior and exterior of pump insert

1. Inspect each pump insert for excessive wear using pump insert tool as a reference.
2. Look for oblong or uneven wear along insert wall or more thinning on one wall versus opposite wall.
3. Replace as needed.
4. Repeat all procedure on this page until all pumps and inserts are clean and inspected.