



TEN STATION GRAVITY FILLER

FILLER SPECIFICATIONS

Utilities: 460V/3Ø/50-60Hz, 80-100psi compressed clean dry air

TEN HEAD MANUAL OVERFLOW FILLER INCLUDES:

- 316 stainless steel overflow nozzles
- Heavy duty 304 stainless steel tubular frame
- 5/8" stainless steel product flow control valves with recirculation port design
- Stainless steel reservoir with overflow ports plumbed into recirculation tank
- Insulation and protective sheathing around product reservoir and tubing to maintain adequate temperature and minimize dissipation of heat
- Manual height jack for fill head adjustment
- High-temperature silicone tubing with stainless steel hose barb connections
- Precision temperature control unit to heat and recirculate water back to supply gravity reservoir
- Stainless steel recirculation tank with one high pressure check valve and float controls
- Allen-Bradley PLC to control the filler
- Operator protective guarding with interlocking switches to ensure that the operator's upper & lower extremities are well protected from potential splashing or spills
- 10 ft. perforated Slide track conveyor with adjustable guide rails and stands

The gravity overflow filler is used to provide a "cosmetic fill" for a wide variety of thin products. As the overflow nozzles dive onto the container necks, they compress and form a tight seal on the rim of the container. This allows product to travel from the common supply tank into the container. At the same time, air & excess water are forced out through a return port in the nozzle and recirculated back to a secondary reservoir used to collect all excess water.

Most machines will be designed with an oversized reservoir which is fed with water that the customer will provide under pressure. The reservoir will contain a return port which allows water to be flooded into the tank until it reaches the lower level of the return port. At this time, the excess water will overflow into a secondary reservoir to be recycled. (This allows us to maintain a constant level of liquid in the reservoir while minimizing costly controls.)

At the same time water is overflowing in the gravity reservoir, head pressure in the tank will allow water gently flow down into each fill valve and then recirculate back to the secondary reservoir used to capture all excess water. This will allow all wetted parts to remain at a constant temperature between cycles. The secondary recirculation tank will contain a float system which controls a pump and a high pressure check valve which are activated once a certain level is detected inside the tank. Once this level is detected, all recaptured water will automatically be pumped back to the heating vessel to be recycled.





Offering the safest and most reliable source of 195°F water for all of your hotfill and heatset testing requirements.

TEN STATION GRAVITY FILLER

OVERALL DIMENSIONS

