GLOBAL FINISHING SOLUTIONS

ARGO DE MÉXICO | DISTRIBUTOR FOR LATIN AMERICA

WATER WASH BOOTHS

GFS' Water Wash Spray Booths provide an extremely efficient means for removing paint particles from the exhaust air, resulting in a cleaner painting environment for superior quality finishes, increased productivity and improved working conditions. Water Wash Spray Booths are ideal when using large quantities of coatings. GFS is experienced at designing and building Water Wash Booths to meet your specific size and configuration requirements. GFS will work with you to determine the best solution for your needs.

FEATURES

- Efficient airborne particulate removal
- Water wash scrubber with enhanced impingement technology
- High volume capture efficiency
- EnviroTect & Dynaprecipitor™ models available

ENVIROTECT BOOTHS

EnviroTect washer section employs a built-in trough which provides an initial wetting action on the particulates. This enables the EnviroTect booth to perform efficiently with even the most difficult coating materials. Straight line, non-turbulent airflow through this spray curtain improves paint particulate capture and cleaning action while reducing energy consumption.

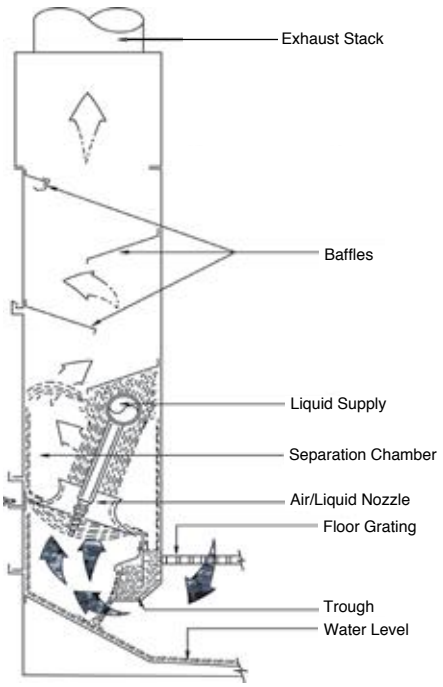
Air/liquid nozzles are spaced as necessary depending on production and air volume requirements. Interior surfaces are wetted to eliminate paint overspray build-up which reduces booth cleaning and captures the paint within the eliminator for removal.

ENVIROTECT F7

- Designed for standard industrial applications
- Rated as passing less than five grains solids per 1000 CFM*
- Features reduced energy requirements

ENVIROTECT F10

- High-efficiency booth designed for heavy industrial painting
- Rated as passing less than three grains solids per 1000 CFM*



ENVIROTECT VERTICAL FLOW MODEL FEATURES

- **Static pressure:** 3.5 in. WC (F7 models)
  5.0 in. WC (F10 models)
- **Air Nozzle Diameter:** 17 in. minimum I.D. (F7 models)
  14 in. minimum I.D. (F10 models)
- **Liquid Nozzle:** 150 GPM
- **Liquid Nozzle Pressure:** 4 psi
- Air and liquid nozzles are made of 316 stainless steel

* Based on handling 5000 CFM of contaminated air per Air/Liquid Nozzle and using chemically compounded water as the wash medium.

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DYNAPRECIPITOR™ BOOTHS

Global Finishing Solutions' (GFS) Dynaprecipitor Water Wash Spray Booth handles a larger variety of paints in a wider range of viscosities and drying speeds, at higher production rates than any conventional spray booth.

This booth employs two well-known engineering principles to remove paint particles from exhaust air in painting operations. First, by drawing air through a continuous curtain of moving water, suspended paint particles are scrubbed out. Second, when air carrying paint particles makes a sudden change in direction of flow, centrifugal force slings the solid particles out of the air stream (called impingement). Entrained paint particles are thrown against adjacent walls and curtains. Water then flushes the particles into the collecting pan. Through these two actions the air reaching the exhaust stack is virtually free of airborne particles, keeping the stack area cleaner longer.

The wash water should be treated (compounded). This causes the paint particles to coagulate and allows convenient skimming when cleaning out the collection pan. GFS recommends that the end user enlist the support of an experienced chemical supplier that will provide the paint testing required to support the chemical treatment for controlling the pH, foaming and detactifier agent to enhance the performance of the water wash equipment.

DYNAPRECIPITOR BOOTH FEATURES

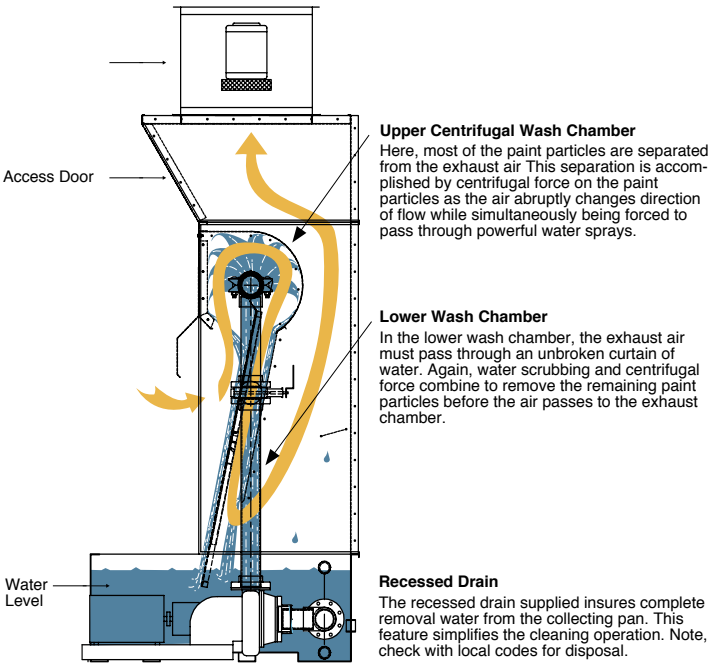
Constructed of 18-gauge galvanized panels for field assembly:

- An upper and lower wash chamber
- Large capacity collecting pan
- Slotted water intake pipe to ensure sediment-free water
- Circulating water to maintain a constantly flushed system
- Removable manifold for easy maintenance
- Hinged water curtain to allow easy access to the rear of the collecting pan
- Access door located just below the fan for easy maintenance
- External float box with level control

SPACE SAVER: The booth saves floor space. Its short-depth wash unit gives water-wash-spray-booth advantages while occupying conventional booth space.

EASY MAINTENANCE: Hinged front water curtain permits easy skimming of coagulated paint particles from collecting pan. Optional automatic centrifugal separators are available.

CIRCULATING SYSTEM: Circulating water forms a continuous, constantly flushed system that has no sediment-accumulating dead ends. Rate of water flow is quickly adjustable. An automatic water level control supplies make-up water to compensate for slight daily evaporation loss.



NOTE: Water Wash chambers work well in crossdraft and downdraft spray booth configurations. For questions about drains, exhaust and motors, please contact GFS.