

SESCO PRODUCTS GROUP **SPRAY COATERS /LUBRICATORS**



Sesco Products Group Spray Coater is an airless spraying system and can be mounted at the exit side of a blank washer or into a blank destacking system to re-apply drawing lubricant or rust preventative to a blank. Each spray nozzle is individually solenoid controlled allowing customized spray patterns. The spray pattern is controllable through the PLC. Nozzles are arranged to provide an 8.00" [203 mm] wide spray pattern at 100 psi. This spray pattern is based on 10W oil. Actual pattern and pressure will vary based on the viscosity of spray solution.

Film thickness applied to the blank is controlled by the rate at which the blank passes through the sprayer. The on-board pump supplies 50 – 150 psi of fluid to the system. An integrated immersion heater is included for 0 – 100 degrees F temperature adjustment. The frame of the spray lubricator is hinged to provide easy access to the nozzle banks. Urethane covered support rolls are provided for material support.





A 2000 cfm @ 3.0 in. w.g. Mist Collection Unit and galvanized duct work are included in the sprayer system to help minimize overspray and mist from evaporating into the plant environment. The mist collector housing construction is 14, 16, and 18-gauge cold rolled steel with welded and bolted assembly. The mist collector is rated for ± 10 -in. w.g. The housing is powder coated inside and out.

The first-stage filter consists of a 4" deep aluminum impinger that turns the airstream so that the entrained particles are removed by impaction against the impinger plates due to their momentum. The second-stage filter is an aluminum mesh that equalizes the airflow and also removes particles by impingement.

The third-stage filter is a 36" deep Vee-Bag constructed of collapsible borosilicate glass with 'V' shaped pockets in parallel. This third-stage filter provides 95% efficiency by ASHRAE 52-76 test method. A magnehelic gauge is provided with a range of 0" to 3" w.g. to measure the pressure differential across all three filter stages. Filters are accessed through a hinged door on the face of the filter media module. No tools are required for filter removal or installation. The fan motor is 3 HP and 3450 RPM.

SPRAY COATER AVAILABLE OPTIONS

LATERAL ROLL OUT FEATURE FOR SERVICE AND MAINTENANCE

The Lateral Roll Out Feature power indexes the sprayer in a lateral direction and provides the customer with the ability to roll the sprayer out of line for servicing. An A.C. variable speed motor provides power to drive the unit to provide smooth traversing. Limit switches are utilized to allow the sprayer to come to a controlled stop when moving into final off-line position. The traversing base incorporates 4 wheels, two driven and two idle. One side consists of an "H" type track and wheels to maintain system alignment during traversing, and the other side utilizes two flat type wheels. An electrically integrated pushbutton pendant provides the operator or maintenance personnel with full control of the washer when it is in motion. Interlocks are used to provide positive location of the unit before line run can be re-established.

MIST COLLECTION SYSTEM

A Mist Collection Unit and galvanized duct work can be added to the washer to help minimize overspray and mist from evaporating into the plant environment. The mist collector housing construction is 14, 16, and 18-gauge cold rolled steel with welded and bolted assembly. The mist collector is rated for ± 10 -in. w.g. The housing is powder coated inside and out. The first-stage filter consists of a 4" deep aluminum impinger that turns the airstream so that the entrained particles are removed by impaction against the impinger plates due to their momentum. The second-stage filter is an aluminum mesh that equalizes the airflow and also removes particles by impingement. The third-stage filter is a 36" deep Vee-Bag constructed of collapsible borosilicate glass with 'V' shaped pockets in parallel. This third-stage filter provides 95% efficiency by ASHRAE 52-76 test method. A magnehelic gauge is provided with a range of 0" to 3" w.g. to measure the pressure differential across all three filter stages. Filters are accessed through a hinged door on the face of the filter media module. No tools are required for filter removal or installation.

ELECTROSTATIC TYPE MIST COLLECTOR SYSTEM

As replacement to the media type mist collector Sesco Products Group offers a electro-static mist collector. Positive means of vacuum is created by properly sized blower and motor to direct any airborne mists into the collection system. The airborne particles of the sprayer pass through an ionizing section of the mist collector. The particulates receive an electrical charge in this section. The charged particles then move into a collector section that consists of a series of equally spaced parallel plates. Each alternating parallel plate is charged with the same polarity as the particles of wash solution causing them to be repelled from these plates. The opposite are grounded to attract and collect the particles of solution. The remaining air is cleaned of up to 99% of impurities and returned.

NOZZLE STRAINER WITH MESH SCREEN

Brass construction stainless steel screen located in each nozzle to help prevent nozzle clogging. Available in 24, 50,100 and 200 mesh sizes

QUICK CHANGE NOZZLE SYSTEM

Allows quick connect ¼ turn installation of nozzles

ATOMIZING TYPE SPRAY NOZZLES

Sesco Products Group also designs and manufactures spray lubricators that utilize an atomizing type of spray nozzles. This nozzle is typically used when a very light film of drawing compound or rust preventative is required on the blank or strip.

3D SOLID MODEL IMAGE OF SPRAYER UNIT

