

TECHNICAL BULLETIN

Key Features - The miniBOSS-700™ – Portable, Electric ULV Mister

A Tough Workman's machine built for Heavy Duty Commercial Use

Key Features

- **The miniBOSS-700** is unique in terms of Care, Service and Maintenance
 - Minimal Service Tools are required (1 x Wrench, 1 x Screwdriver) to dis-assemble and re-assemble the entire machine - all Parts.
 - It is Field Strippable – pretty much BY HAND – of major components including All Electrical Replacement requirements. The miniBOSS-700 can be dis-assembled and re-assembled by HAND.
 - Motor / Filter / Anti –Torque Block replacement – no Tools required.
 - Nozzle Replacement / Cleaning / Service – no Tools required.
 - Formulation Tank Replacement / Cleaning – no Tools required.
- **The miniBOSS-700** is constructed with rugged with Chemically Resistant **High Grade Virgin HD Polyethylene**
- **The miniBOSS-700** has:
 - a Powerful 700 Watt Samsung Motor
 - an anti-torque effect elimination assembly - with a purpose designed 'anti-torque' block and bracket preventing motor spin and twisted wiring.
 - an internal Heat Shield – dramatically reducing Air Friction Heat to Motor/ Nozzle Housing.
 - all-metal Liquid / Air Delivery Components – except for 2 External Flexible Nylon Liquid / Air Delivery Tubes.
 - all fittings are BRASS – no plastic bolts/nuts. Stainless Steel fittings are option
- **The miniBOSS-700** features **THREADED SCREW CAPS** – Closures ARE NOT secured with metal to plastics screws.
 - Screw Caps - **completely** eliminate any air pressure loss.
 - Screw Caps - have large Grip-Lugs for easy hand tightening.
 - Screw Caps - allow for ease of Field Servicing.
 - Screw-on Caps feature for:
 - (1) Motor within Housing containment.
 - (2) Securing Nozzle Diffuser and Nozzle Face Plate to Body.
 - (3) Securing Flow-Rate Control Adapter to Valve Port on Formulation Tank.
 - (4) Body and Formulation Tank union.
 - (5) "Dry Air" Hose Assembly with Built-In Clean Air Filter insert with washable filter,

- (6) Securing Filler Cap to Formulation Tank

- **WORLD HEALTH ORGANIZATION (WHO)**
Formulation Tank Ports ALL compliant with WHO Guidelines – being a minimum of 90mm diameter.

- **The miniBOSS-700** has a:
 - Needle Valve Flow Rate Control incorporating Fixed Solution Flow Rate (FSFR) Valves.
 - Maximum Flow Rate Capacity: **0-60 litres per hour** with no Regulating valves attached.
 - To regulate flow a BRASS Set of 5A FSFR Valves* is supplied for personal setting requirements.
 - #20 = 5lts/Hr
 - #28 = 10lts/Hr - this Valve is Factory set before shipping
 - #37 = 16lts/Hr
 - #42 = 21lts/Hr
 - #47 = 26lts/Hr
 - Additional Valve Orifice Sizes are optional & are available as a BRASS Set of 5B FSFR Valves*
 - #50 = 31lts/Hr, #55 = 37 lts/Hr, #60 = 44lts/Hr, #65 = 50lts/Hr, #70 = 55lts/Hr
 - Mechanical Tilt Control assembly – **not friction elevation** – therefore no slippage when wet or worn.
 - The Tilt Control is metal – **not plastic** - Elevation is set with a Secure Locator Pin.
 - Sturdy Metal Handle incorporated into Motor/Nozzle Housing Assembly bracket to distribute load.
 - Sturdy Metal Motor/Nozzle Housing Assembly Mounting Bracket – to Formulation Tank – secured to Formulation Tank with Grip Lug Screw-on Cap – interchangeable with Nozzle Cap
 - Formulation Pick-up Tube / Filter Assembly positioned to pick-up all Formulation within the Formulation Tank. Filter Assembly is Push-on with Stainless Steel Mesh secured with VITON filterhousing
 - Filler Cap has a “marker pen” screen for Chemical Product and Rate recording – a mini ‘Whiteboard’.
 - 2.6m earthed Power Lead

The miniBOSS-700 ‘NOVA-MIST’ Nozzle features:

- 6 vane Spiral, HDPE Diffuser / Vortical Nozzle Assembly secured with a Grip Lug Screw-on Cap
- A Fully Replaceable Nozzle Face Plate – with built-in Air Bleed release.
 - Air Bleed assists to entrain the surrounding air for greater chemical dispersal.

The miniBOSS-700 FORMULATION TANK is:

- 6 litre capacity, with a Filler Port and Flow Rate Control Port.
- Interchangeable if required – 4lt, 6lt or 9lt are all interchangeable.
- Fully Compliant to **WHO Guidelines** with 90mm Filler and Valve Port apertures.
- Fitted with a ‘sacrificial’ Rubber Boot for Tank Base and Side protection.

THE BOSS-1330 has a:

- 24 month Limited Warranty