

TECHNICAL BULLETIN:

SPECIFICATIONS: The CHIEF-1000™ Electric ULV Mister

MOTOR / BLOWER SAMSUNG	VAC / Hz AMPS WATTS RPM	120 Volt / 60 Hz 8.1 1000 Watts 30,500+/- 1500
AIR VOLUME - OUTPUT		2773 lts / minute
VACUUM		24.0 kPa
FORMULATION TANK	Capacity in Litres with Graduated markings	4lt STD. (5lt, 6lt with 9lt Optional)
FLOW RATE VALVE	Adjustable / Variable Output	Needle Valve, Brass, SSTL (Optional)
	Maximum Flow Rate	60 lts/Hr
SET FLOW RATE VALVES	FSFR Valves, BRASS, SSTL Optional	Set of 5: #20 = 5 lts/Hr, #28 = 10 lts/Hr, #37 = 16 lts/Hr, #42 = 21 lts/Hr, #47 = 26 lts/Hr
DROPLET RANGE	Visible* metres	15-20 metres

*Droplets travel further than what are visible. Actual droplet travel depends of many environmental factors – wind/breeze velocity, ambient temperatures, solution viscosity, droplet sizing & density, etc

PARTICLE SIZE DIAMETER	Measured in microns (µm)	5 – 50 µm
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Droplet siz is determined by Formulation (Solution) Flow rate adjustments. High Flow Rate = larger droplets. Low Flow rate = smaller droplets. The viscosity of the Formulation (Solution) also effects droplet sizing.

NOZZLE	Vortical in that the spray swirls on exit	NOVA-MIST™ Vortical Adjustable Nozzle
	DIFFUSER - Material	HDPE
	Face Plate Replaceable	Yes, Aluminium
	Air Bleed	Yes
Material - Construction	Motor Housing/ Nozzle	HDPE
	Formulation Tank	HDPE
	Protective Tank “Boot”	Rubber
	Fittings	BRASS, SSTL - Optional
	External Delivery Lines	Nylon
	Internal Delivery Lines – Housing & Tank	BRASS, SSTL - Optional
	“O” Ring Material / in-Tank Filter	VITON
Multi-Purpose Use	Application of Insecticides, Fungicides, Foliar Fertilizers, Disinfectants, Sanitizers	
Tank Opening Ports	YES – Each comply with W.H.O. Guidelines	>90mm diameter
Formulation Filter	In-Tank Push on Filter	SSTL Mesh with VITON Support
Warranty	Conditional	24 Months
Shipping Dims		36.0cm x 36.0cm x 52.0cm
Volume (Packed)	Cubic Metres	0.07 m ³
Weight (kgs)		5.5 kgs
ADDITIONAL FEATURES		
Screw Cap Assembly	No screws – plastic to plastic. Motor is secured in Housing with a Screw Cap, Nozzle is secured by a Screw Cap, Formulation Tank + Housing secured with a Screw Cap	
Internal Sound Dampner	Noise Suppressor Capacitor	
Heat Sink – Heat Shied	Within Motor Housing	
Thermal Cut Out	For Motor Protection	
TORQUE CONTROL	Motor Torque Control to counter the motor wanting to spin inside of the Housing – completely elimination electric wiring twist	

NOTE: The above Specifications are as described at the time of writing. PronixNova Ltd reserves the right to make Technical changes at any time without any prior notice given