

Multi-Sprayer™

(Now also available in cordless rechargeable models)



Ideal For:

- Carpet & Upholstery Pre & After Sprays
- Ceiling Cleaning
- Janitorial Sprays
- Carpet Restoration Applications

Also Sprays:

Disinfectants, Deodorizers, Traffic Lane Cleaners, Spotting Agents, Insecticides, Garden Agents & Fertilizers, Cleans Ducts, Ovens & Siding

OWNERS MANUAL

M1

M2

For Parts & Service Call:

www.multi-sprayer.com

INTRODUCTION

The Multi-Sprayer replaces pump-up sprayers.

The Multi-Sprayer is a tough, compact and versatile electric sprayer, equipped with a **SOLVENT COMPATIBLE VITON PUMP**. It was designed to be easily transported to the job taking up limited space. On the job, its 20 foot electric cord and 10 foot spray hose allow you to cover a large area from each electric receptical.

TWO MODELS, THE M1 AND M2

Common features of the two models are:

- Tough Polyethylene Case
- 2 Gallon Quick Change Container Capability
- 115 Volt, 50 psi Pump (230 Volt Available)
- 20 Foot Electric Cord & 10 Foot Spray Hose
- Pump is Solvent Compatible, Viton Seals
- Spray Trigger Has Viton Seal; also QC
- One Year Warranty Parts and Labor

M1 FEATURES

- 2 Foot Wand with 8004 V-jet Nozzle
- Weight 11 Pounds Empty

M2 FEATURES

- 2 Foot Wand with 8004 T-Jet with a Check Valve/Strainer
- Extra 50015 T-Jet Tip for Upholstery with a Check Valve/Strainer
- Weight 12 Pounds Empty

SAFETY PROCEDURES

- RISK OF EXPLOSION--DO NOT SPRAY COMBUSTIBLE FLUIDS
- PLUG INTO 115-120 VOLT 50/60 CYCLE GROUNDED 3-PRONG RECEPTACLE

GETTING STARTED

Slant your 2 gallon container of solution into the Multi-Sprayer bottom first. With the top of the container leaning out, connect the male/female cap quick connect system. Then push the container into the Multi-Sprayer. To remove container, push the silver tab on the female quick connect tip out of container and remove.

Plug in, turn on switch and squeeze trigger to spray.

IF YOU HAVE MODEL M2...

1. Remove the 2 foot carpet wand or the upholstery tip at the quick connect.
2. Squeeze the trigger, allowing the liquid to advance to near the trigger.
3. Re-connect the 2 foot carpet wand or upholstery tip and begin spraying. The check valve/strainers inhibit flow when starting, but stop drips after spraying.

MAINTENANCE

At the end of the work period a mild detergent solution, followed by fresh water, should be sprayed to clean the pump and hose. When switching between water based and solvent solutions, a warm water flush after water base and a cold water flush after solvents is best for flushing the system. The case cleans easily with a mild detergent and retains its luster with application of a plastic/vinyl product.

GETTING STARTED

Your Multi-Sprayer carries a one year parts and labor warranty. The date of manufacture is stamped on the serial plate. Keep your receipt for exact date of ownership for warranty purposes. **FREEZING CAN DAMAGE** the Multi-Sprayer and is not covered by the warranty. Consult the Chemical Guide available from your distributor or manufacturer for chemical compatibility. Chemical damage to the pump is not covered by the warranty.

MULTI-SPRAYER PARTS

<u>KEY</u>	<u>PART#</u>	<u>DESCRIPTION</u>
*5	BST-1YSS	SSFemale Coupler, 1/8"
6	6590	Brass/Viton Trigger
**	6590-VIKIT	Trigger Valve Repair Kit
7	H14-2MUSBR	Compression and Strain Relief
8	FW-10	Urethane Coiled Spray Hose 10" 1/4 ID
11	N4MEB6	Elbow, Nylon
12	AQ115	115V Motor & Pump
*14	216P-4-2	Brass Reducing Nipple, 1/4" / 1/8"
15	11375	Rubber Hose Grommet
16	ARD	Base Plate Retainer Button
17	160011E	Electric On/Off Switch
18	UR33	Urethane Suction Hose, 33", 1/4 ID
19	13862-50	Suction Hose Strainer, 50 mesh
20	18110	Power Cord, 20 Feet
21	SR7W-2	Power Cord Strain Relief
22	2G	2 Gallon Solution Container
23	F17004LG	Female Jug QC
24	M22004LG	Male Jug QC, Cap and 90 Degree Barb
**	M22	Male QC
**	Cap & 90	Cap and 90 degree panel mount
25	UR12.5	Urethane Dip Tube, 12.5" 1/4 ID

*Parts #5 and #14 on M2 Model Only

AQ115

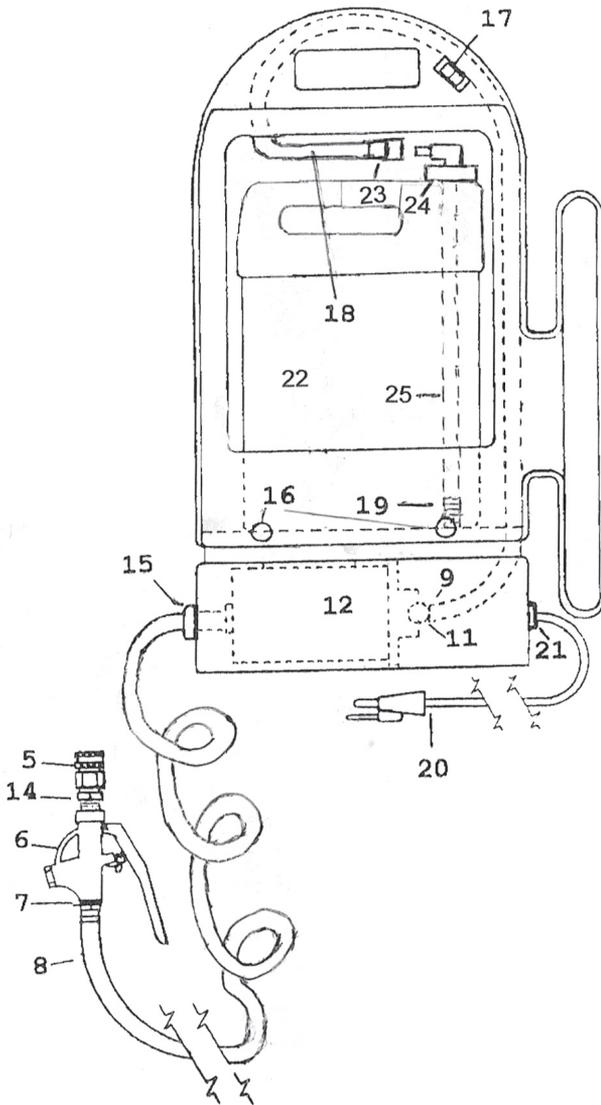
115 Volt Pump Parts

LHA	Lower Head Assembly, Triangular diaphragm/CAM
VHA	Valve Assembly, 3 Inlet and 2 Outlet Valves
UHA	Black Poly Pump Head

If pump leaks from small triangle on black pump head, replace #UHA. If pump runs but does not pump, replace VHA and LHA.

When reassembling pump, tighten screws very firmly.

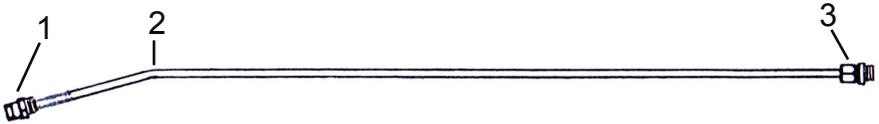
MULTI-SPRAYER DIAGRAM



Wands Shown on Page 6

M1 WAND

KEY	PART#	DESCRIPTION
1	H1/8DT-8004	Female Thread Brass V-Jet Nozzle
2	SS20	Threaded S.S. Wand Tube
3	AB110CA	Brass Hex Nipple, 1/4 Male/1/8 Female



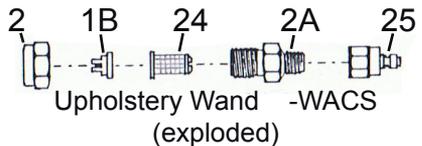
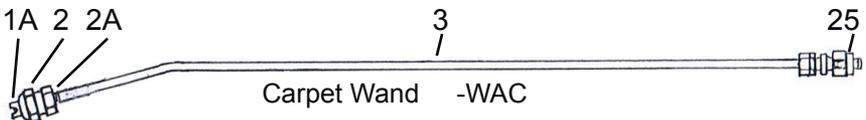
8004WAND Complete M1 Wand, Parts 1, 2, 3

M2 WANDS (WAC & WACS)

KEY	WAC	Complete Carpet Wand
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1A	TPU8004SS	SS T-Jet Nozzle
2	CP1325	Brass Nozzle Cap
2A	CP1335	Brass Male Body
24	4193-A-10-50SS	Strainer W/Check Valve (inside 2A)
3	SS20	Stainless Steel Wand Tube
25	BST-N1SS	SS Male Coupler

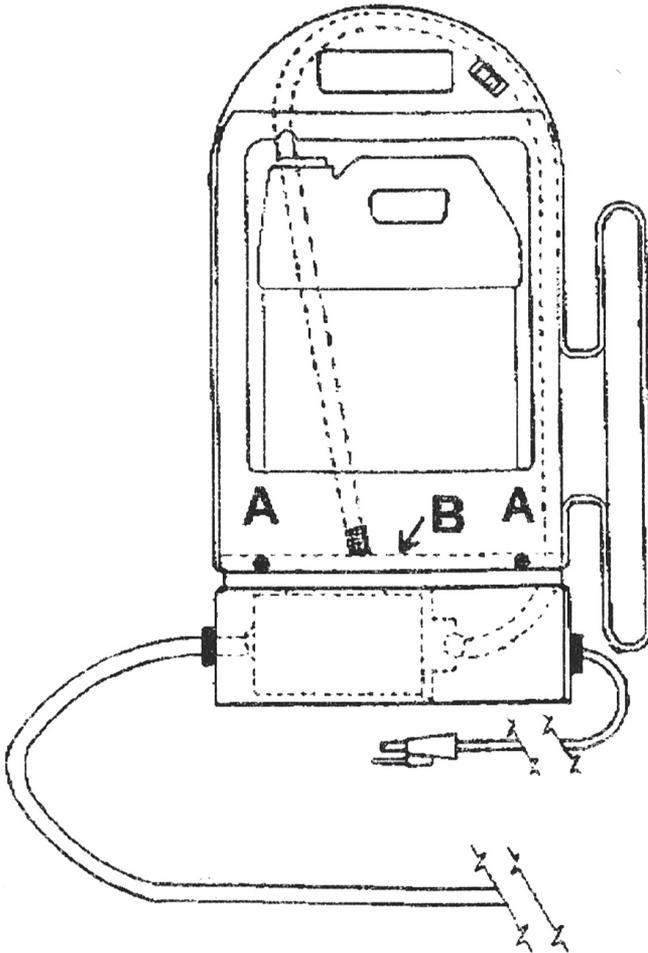
	WACS	Complete Upholstery Wand
2	CP1325	Brass Nozzle Cap
1B	TPU50015	Brass T-Jet Nozzle
24	4193-A-20-50SS	Strainer W/Check Valve (inside 2A)
2A	CP1336	Brass Male Body
25	BST-N1	BR Male Coupler



TO REMOVE PUMP

A. Remove nylon tabs by tapping out from inside of solution container compartment

B. Remove bottom plate to access pump.



APPROXIMATE RATE OF SPRAY FROM T-JETS & V-JETS
USING 50 PSI PUMP:

<u>TIP SIZE</u>	<u>GAL per MIN</u>	
XX050	.055	
XX01	.11	
XX015	.16	XX - Degree of Arc of
XX02	.22	Spray. Available from 0
XX03	.33	to 110 Degrees.
XX04	.44	
XX05	.55	
XX06	.66	
XX08	.88	
XX10	1.10	

TROUBLE SHOOTING

Motor operates, but no spray:

- Male and/or female QC on jug failure
- If you have M2 model, see “Getting Started” instructions on Page 3 and on back of sprayer
- Restricted intake or discharge line. Clogged suction strainer, kinked suction or spray hose, clogged spray tip, broken or clogged trigger
- Air leak in suction hose
- Broken or worn pump parts; valve chamber, or diaphragm

Motor fails to run:

- Switch defective or loose wiring connection
- Defective motor
- Frozen cam bearing

Low flow and pressure:

- Partially clogged lines, strainers, tip or trigger
- Worn pump cam bearing (also excessive noise)
- Broken or worn pump parts; valve chamber or diaphragm

Leaking:

- Hole in hose, cracked pump housing, loose or broken hose barb at pump inlet or outlet, loose or broken hose clamp at pump inlet or outlet

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