

MBC-510 SPRAY GUN

IMPORTANT: Before using this equipment, read all safety precautions and instructions. Keep for future use.

Note

This gun may be used with chlorinated solvents. Aluminum is not used in the fluid passage areas.

DESCRIPTION

The MBC-510 standard spray gun has a removable sprayhead; nickel plated brass fluid passages; a stainless steel fluid tip and needle to reduce wear; forged aluminum gun body; large air and fluid passages for high capacity use and a cartridge type air valve to minimize repairs.

Nozzle combinations are listed in Chart 1. Refer to the Spray Gun Catalog, I-2008, for information regarding air cap and fluid tip characteristics.

OPERATION

Strain material thru 60 or 90 mesh screen.

Adjust fluid pressure to deliver the desired paint volume. Adjust air pressure and flow to provide a uniform dispersion of atomized paint throughout the pattern. Keep air pressure as low as possible to minimize bounce - back and overspray. Excessive fluid flow will result in heavy center spray patterns. Inadequate flows may cause the pattern to split. See Spray Gun Guide, SB-2-001, which is available upon request, for details concerning set up of spray guns.

PREVENTIVE MAINTENANCE

To clean air cap and fluid tip, brush exterior with a stiff bristle brush. If necessary to clean cap holes, use a broom straw or toothpick. **Never use a wire or hard instrument.** This may scratch or burr holes causing a distorted spray pattern.

To clean fluid passages, remove excess material at source, then flush with a suitable solvent using a device such as the SolventSaver™ (see Accessories). Wipe gun exterior with a solvent dampened cloth. Never completely immerse in solvent as this is detrimental to the lubricants and packings.

Note

When replacing the fluid tip or fluid needle, replace both at the same time. Using worn parts can cause fluid leakage. For thinner, less viscous materials a lapped tip and needle set is recommended. See Chart 3. Also, replace the needle packing at this time. Lightly lubricate the threads of the fluid tip before reassembling. Torque to 20-25 ft. lbs. Do not over tighten the fluid tip.



To prevent damage to the fluid tip (5) or fluid needle (11), be sure to either 1) pull the trigger and hold while tightening or loosening the fluid tip or 2) remove fluid needle adjusting screw (32) to relieve spring pressure against needle collar.

SPRAY GUN LUBRICATION

Daily, apply two drops of •SSL-10 spray gun lube (see Accessories) at trigger bearing stud (34) and the stem of the air valve (15) where it enters the air valve assembly. The shank of the fluid needle (11) where it enters the packing nut (10) should also be oiled. The fluid needle packing (9) should be kept soft and pliable by periodic lubrication. Make sure the sprayhead (8) and retaining ring (1 or 2) threads are clean and free of foreign material. Before assembling retaining ring to sprayhead, clean the threads thoroughly, then add two drops of SSL-10 spray gun lube to threads. The fluid needle spring (31) and air valve spring (16) should be coated with a very light grease, making sure that any excess grease will not clog the air passages. For best results, lubricate the points indicated, daily.

• Safety Data Sheet available from DeVilbiss upon request.

- A. Trigger Points
- B. Packing
- C. Adjusting Valves
- D. Threads

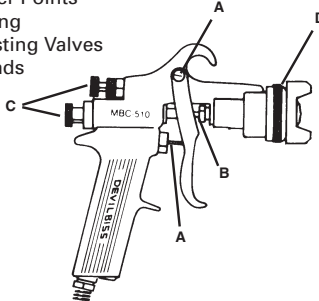


CHART 1

Nozzle Combinations						
Air Cap Sizes Order From Chart 2	Fluid Tip and Needle Sizes Order From Chart 3					
	AC	D	E	EX	FF	FX
24		P	P			P
30			P	S	P	P
58			P/S	S	P	P
62HD	P					
64HD			P			
69HD		P				
80				S		
704			P		P	
765			P		P	P
777			P		P	
797			P		P	
9000				S		

P - Pressure Feed Combination
S - Suction Feed Combination

CHART 2

Air Caps		
No. on Cap Order	Ref. Nos. (1) Air Cap with Ring	Ref. No. (3) Air Cap Less Ring
24		AV-40-24
30	MB-4039-30	
58	AV-439-58	
62HD	MB-4039-62HD	
64HD	MB-4039-64HD	
69HD	MB-4039-69HD	
80	MB-4039-80	
704		AV-1239-704
765		AV-1239-765
777		31767-777
797		AV-1239-797
9000	AV-440-9000	



PROP 65 WARNING
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

IMPORTANT! DO NOT DESTROY

It is the Customer's responsibility to have all operators and service personnel read and understand this manual. Contact your local DeVilbiss representative for additional copies of this manual.

READ ALL INSTRUCTIONS BEFORE OPERATING THIS DEVILBISS PRODUCT.