



SUTTNER
A M E R I C A C O M P A N Y

ST-55 Wet Sand Blast Attachment

Manual



INSTALLATION AND OPERATING INSTRUCTIONS FOR ST-55

IMPORTANT! FOLLOW ALL INSTRUCTIONS PROVIDED WITH THE PRESSURE WASHER IN REGARD TO SAFETY, INSTALLATION AND OPERATION. HIGH PRESSURE SPRAY CAN CAUSE SERIOUS INJURY. PAY PARTICULAR ATTENTION TO THE SAFETY INSTRUCTIONS FOR THE BRAND OF PRESSURE WASHER BEING USED.

WEAR EYE PROTECTION!

The Suttner Model ST-55 wet sandblasting unit is designed for the occasional sandblasting of a variety of surfaces. When used correctly, this accessory is capable of removing most coatings down to white metal, graffiti clean up, paint surface preparation, etc.

SPECIFICATIONS

PRESSURE, MAX	3500 PSI
FLOW RATE, MIN	2 US GPM
FLOW RATE, MAX	8 US GPM
SAND CONSUMPTION	MAXIMUM 750 LBS PER HOUR

INSTALLATION:

1. Install 1/4" male national pipe thread (MNPT) pipe into outlet of appropriately rated high pressure trigger gun. Use a liquid, anerobic thread sealant. If using teflon tape be certain no tape gets inside the pipe, as this may clog the high pressure water nozzle.
2. Insert the probe (made up of two welded together 18" tubes) into bag, bucket or pile of dry sand. **MAKE CERTAIN THAT THE OPPOSITE END OF THE SHORTER TUBE IS NOT COVERED BY SAND.** This is a breather tube and performance will be affected dramatically if this tube is obstructed.
3. Turn adjustment (the knob protruding from the sand mixing head) fully clockwise for maximum sand flow.

OPERATION:

1. Refer to the Owner's Manual for all safety and operating instruction that pertain to the brand of pressure washer to be used. Set up machine and start according to the instructions.
2. With the nozzle pointed at a downward angle, squeeze the trigger. A high pressure stream of water mixed with sand will exit the nozzle. You should be able to see the sand as it passes through the clear vinyl feed hose to the mixing head.

3. Direct discharge stream toward work surface. Abrasive action should begin immediately. If not, refer to troubleshooting section below.
4. Since there are an unlimited number of applications for wet sandblasting, some experimentation will be necessary to determine the best angle and distance from the surface for the sand nozzle.
5. To regulate sand flow, use the adjustment that protrudes from the mixing head. All the way clockwise is for maximum sand flow. Turning the valve counterclockwise will reduce sand flow and can be adjusted to desired rate.
6. When releasing trigger, **BE SURE MIXING HEAD IS POINTED IN DOWNWARD DIRECTION** to prevent water from dripping back into feed hose. Water can cause sand to accumulate and block free flow of sand through the hose.

TROUBLESHOOTING:

<u>SYMPTOM</u>	<u>CAUSE AND CURE</u>
NO SAND FLOW:	<p>SAND GRAINS TOO LARGE. BE SURE SAND WILL FIT FREELY THROUGH INLET TUBE OF PROBE.</p> <p>WATER IN HOSE. REMOVE HOSE AND USE COMPRESSED AIR TO DRY.</p> <p>SAND IS WET OR DAMP. SAND MUST BE COMPLETELY DRY. HIGH LEVELS OF HUMIDITY CAN ALSO AFFECT SAND FLOW.</p> <p>ADJUSTMENT VALVE IS ALL THE WAY OPEN. IF VALVE IS ADJUSTED TOO FAR COUNTERCLOCKWISE, VACUUM IS ELIMINATED AND NO SAND WILL BE DRAWN INTO THE MIXING HEAD.</p> <p>VENT TUBE ON PROBE IS BURIED OR OBSTRUCTED. CLEAR OBSTRUCTION.</p> <p>SUCTION TUBE IS NOT INSERTED INTO SAND.</p> <p>SAND NOZZLE IS WORN OUT. ENLARGED SAND NOZZLE OPENING WILL NOT ALLOW SUCTION TO OCCUR.</p>

OPERATING TIPS FOR SUTTNER MODEL ST-55:

Experiment with various pressure and flow settings on the pressure washer to determine the best combination for your application. experimentation with various grades of sand will also help determine the best performance possible.