

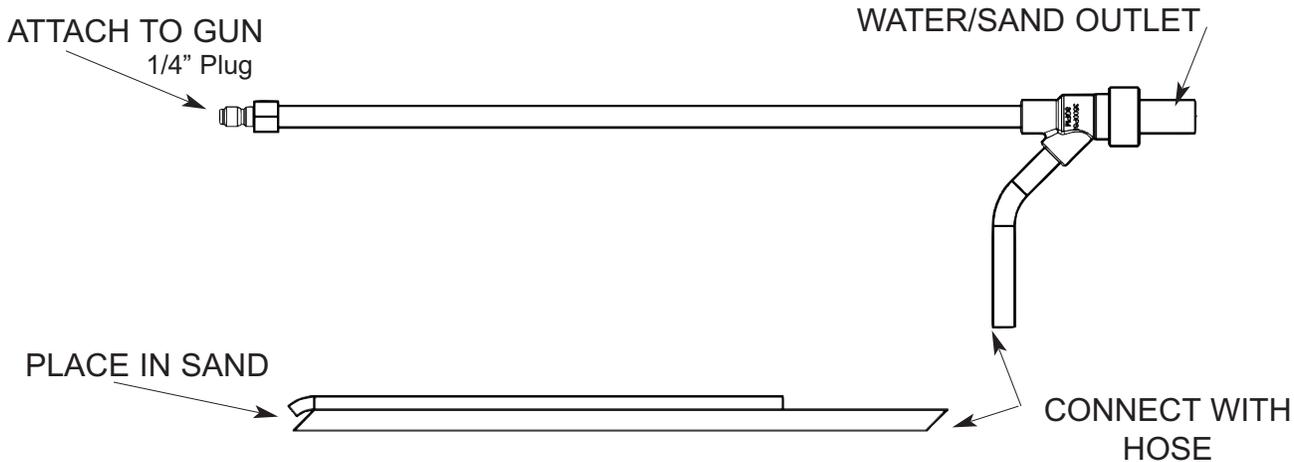
*For suction-fed injection of sand into the water stream for abrasive cleaning.*

**SPECIFICATIONS**

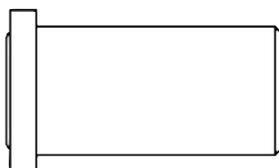


| Part Number           | DSDBK1                 | 2103026                |
|-----------------------|------------------------|------------------------|
| Description           | Sandblast Kit Complete | Mixing Nozzle and Seal |
| Max. Working Pressure | 3500 PSI               | 3500 PSI               |
| Min. Working Pressure | 1500 PSI               | 1500 PSI               |
| Max. Flow             | 8 GPM                  | 8 GPM                  |
| Min. Flow             | 3 GPM                  | 3 GPM                  |
| Inlet                 | 1/4" Plug              | N/A                    |
| Max. Temperature      | 200° F                 | 200° F                 |
| Weight                | 4.2 lb.                | 2.0 lb.                |

**Parts List**



DSDBK1  
(HOSE NOT SHOWN)



2103026  
MIXING NOZZLE AND SEAL

**OPERATION**

Always wear protective clothing, including safety glasses while operating machine.

Connect the sand induction probe to the stub lance on the mixing head with the hose.

Place the sand induction probe in the sand supply container.

Connect the lance on the mixing head to the gun. Start the machine per manufacturer's instruction.

Trigger the gun to activate the spray.

Check the distance to hold the spray nozzle from the surface by starting to spray at a scrap of material from a distance of several feet. Gradually move closer, checking frequently to see if the high pressure spray is damaging the surface.

Refer to the application table for the type of sand recommended for your work surface.

Always point the sand nozzle downward when not spraying. This will prevent water from entering the sand supply. If water does get into the sand supply hose, remove the probe from the sand, hold control handle trigger open, and let the hose air dry. Always be sure the sand hose is dry before using.

Keep the sand covered to prevent the overspray from wetting the sand. Do not allow small fragments of the sand bag to fall into the sand supply. A small paper fragment could prevent the flow of sand.

After the sandblasting operation is complete, remove the probe from the sand, trigger the gun to clear the hose and probe of sand. Then remove the hose from the mixing head and rinse with water to remove all the sand before storage.

**APPLICATIONS**

**Sand Mesh:** Sand mesh refers to the size of screen through which a particular grade of sand will pass. A 16/50 mesh means that normally, most of the particles will pass through a #16 screen and a very small percentage will pass through a #50 screen.

Note: A #16 screen has 16 0.046 holes per square inch.

**Round Sand:** This refers to the round edge of the grain of sand. River sand is a good example of sand worn to its shape by water.

**Angular Sand:** This refers to grains of sand which have triangular shaped edges. Crushed rock or sand is usually of this type.

**Blasting Angle and Distance:** The blasting angle can affect the sandblasting distance. For the best sandblasting performance always maintain the recommended blasting angle and the proper distance for your work surface.

| Sand Mesh Chart                               |           |              |
|---|-----------|--------------|
| Removal of:                                   | Sand Mesh | Sand Type    |
| Paint from Metal                              | 20/40     | Round Silica |
| Paint from Masonary                           | 20/40     | Round Silica |
| Rubber Base Paint from Masonary               | 10/35     | Angular      |
| Paint from Wood (Course, Rough Cut Effect)    | 40/60     | Round        |
| Paint from Wood (Smoother, Drift-wood effect) | 20/40     | Round        |
| Metal Scale                                   | 20/40     | Round        |
| Rust  | 16/50     | Angular      |

**TROUBLESHOOTING**

| PROBLEM         | PROBABLE CAUSE   | SOLUTION   |
|-----------------|--|--|
| No sand         | Plugged sand probe.<br>Plugged gun.<br>Wet sand.<br>Low vacuum.              | Clear obstructions and make sure air vents in sand probe are open.<br>Remove mixing nozzle and inspect mixing chamber.<br>Dry or replace sand.<br>Repair air leak in system. |
| Not enough sand | Low water pressure.<br>Collapsed hose.<br>Partial obstruction to sand probe. | Check pump for proper operation.<br>Replace hose, or remove restriction.<br>Clear obstruction from sand probe inlet.   |

