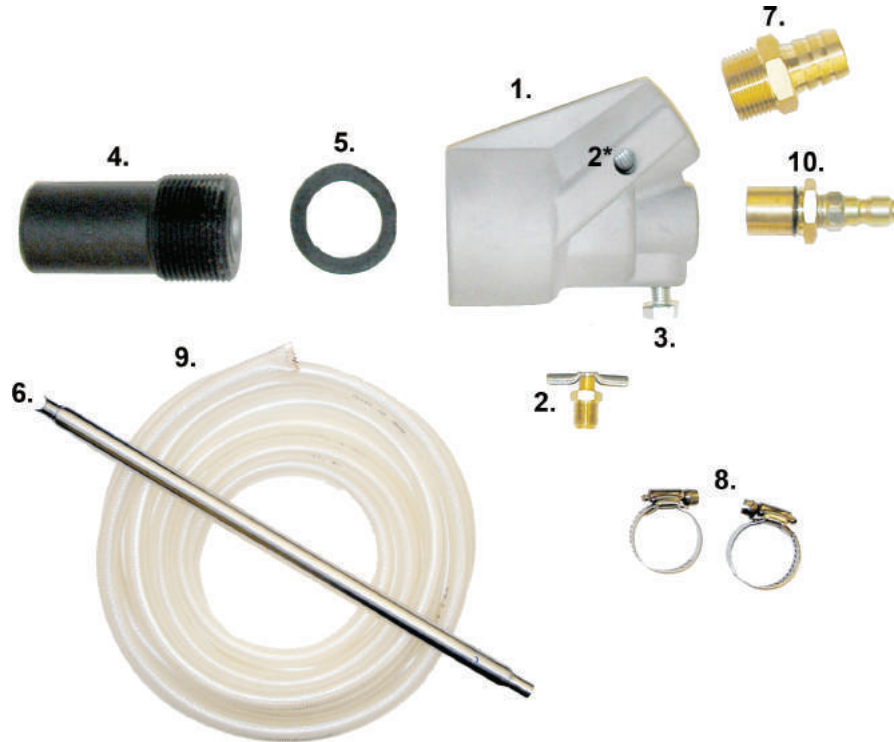




Ultimate Washer Inc.

Components and accessories for high pressure cleaners and car wash
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INDUSTRIAL SAND BLAST KIT - USERS MANUAL



Technical Chart

Part#	Min-Max Pressure (psi)	Min-Max Flow (US gpm)	Nozzle (Not included)	INLET	Hose Length
UW11-PW262D	3,000-5,500 psi	4-10.5 gpm	Requires 0° Nozzle	1/4" Plug	18 Feet

Assembly Instructions

Pre-installed items

- Item #4 & #5 already pre-installed into item #1.
- Item #2 already pre-installed into item #1 (See 2*).

Install following items

- Install appropriate size 1/4 threaded spray nozzle (not included) in item # 10.
- Securely install item #10 in rear of item #1 lock item #10 in place using item #3.
- Install Item #7 in top port of item #1.
- Connect item #6 & #7 to each end of item #9.
- Secure item # 9 in place with the clamps provided (#8).

First Use

1. Loosen the screw at the rear of housing and pull out the quick connect plug from the housing.

2. Install a 0° MEG nozzle with the same orifice size as the nozzles that came with your pressure washer. Reassemble and tighten top screw.

Operating Instructions

- Place the sand probe into the sand supply. Locate the sand in a dry location and protect the sand from water contact. Wet sand will prevent sand suction.
- Quick connect the sandblaster assembly to the end of the lance where quick connect nozzles normally attach.
- Turn on your water supply and pull the trigger to purge the system of air.
- Start the pressure washer per the manufacturer's instruction.
- Trigger the spray gun to activate the spray.
- Check the distance to hold the spray nozzle from the surface by starting from a distance of several feet.
- Gradually move closer, checking frequently to see the results of the high pressure spray on the surface.
- Stop when desired cleaning occurs moving closer to the surface could result in the high pressure spray causing damage to the 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 the spray gun 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 over spray from wetting the sand.
- Do not allow small fragments of the sand bag to mix into the sand supply, a small bag fragment could interrupt the flow of sand.

Shutdown Operation

- Shutdown pressure washer and turn off water source.
- Release any remaining pressure by pulling the gun trigger.
- Disconnect sandblaster attachment and clean the sandblaster body removing any excess sand build up. The front mixing nozzle unscrews to allow for cleaning inside the head.
- After the sand blasting operation is complete, remove the probe from the sand, hold the spray gun trigger open to clear the hose and probe of sand.

INDUSTRIAL SAND BLAST KIT COMPONENTS LIST

Position	Qty	Part Number	Description
1	1	16.0118	Sand Blast Head
2	1	16.0119	Sand Valve 1/8 MPT
3	1	16.0120	Nozzle Holder Retaining Bolt
4	1	16.0121	Tungsten Carbide Nozzle & Body
5	1	16.0123	Gasket
6	1	16.0124	Sand Probe
7	1	16.0125	Hose Barb Brass 3/4
8	1	16.0126	Hose Clamp 3/4 (qty 2)
9	1	16.0127	Clear PVC Nylon braid Hose 3/4 x 25'
10	1	16.0128	Nozzle Holder 1/4 QC Inlet x 1/4 fpt Outlet

Product's Use

WARNING: Check to ensure that the product is compatible with the system's operating specifications do not exceed the maximum flow, pressure, and temperature ratings of the product that are listed in this manual (see Technical Chart).

Installation must be done exclusively by skilled workers. The Manufacturer is not responsible or liable for any loss or damage arising from improper installation or installation done by unskilled workers.

Service

Service must be done exclusively by skilled workers using only original Ultimate Washer replacement parts.

To correctly reassemble, follow the drawing listed in the exploded view in this manual.

WARNING: The components need to be properly reassembled to restore the original conditions of the product. Manufacturer is not responsible or liable for any loss or damage arising from improper reassembly or service by unskilled workers.

Further Instructions

To correctly install, use, and service this product, carefully read and follow the instructions and warnings contained in this manual. Ensure these instructions are included in the final user's manual of any machine in which the product is assembled.

Any improper use of or alteration of this product may cause loss or injury. The Manufacturer is not responsible or liable for any loss, damage, or injury arising from improper use or alteration and declines all liability for its functioning and safety.

Ultimate Washer declines all responsibility and liability in the case that the compliance and regulations stated in this manual are not followed or respected.

Ultimate Washer reserves the right to make any modification to both products and manuals without notice.

 WARNING 	
  	EXHAUST HAZARD The engine exhaust contains poisonous carbon monoxide which is colorless and odorless. Do not operate combustion engines in a closed building.
	EQUIPMENT MISUSE HAZARD Equipment misuse can cause the equipment to rupture or malfunction and result in serious injury • Do not alter or modify this equipment • Check equipment daily. Repair or replace worn or damaged parts immediately • Do not exceed the maximum working pressure of the lowest-rated system component • Do not disassemble or modify system while in use • Consult the operators manuals for the pressure washer and engine prior to use
	INJECTION HAZARD • Fluid injected into the skin is a serious injury. The injury might look like just a cut but it's a serious injury. Get immediate medical attention • Do not put your hand or fingers over the spray tip. • Do not stop or deflect leaks with your hand, body, glove or rag • Tighten all connections before you operate this equipment

Precautionary

WARNING

To reduce the risk of injury, always protect eyes and face with goggles, mask, hands and arms with heavy work gloves, when spraying abrasive materials. Also use protective clothing and boots.

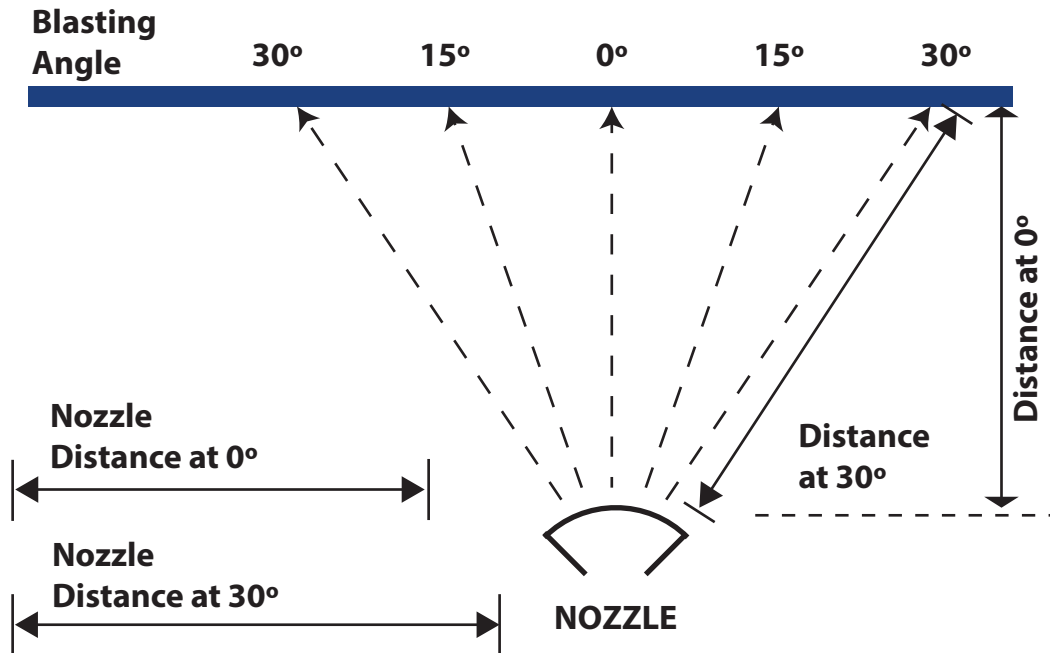
Always be sure the sand hose is dry before using.

Keep the sand covered to prevent the overspray from wetting the sand.

Always point the sandblaster nozzle downward when not spraying. This prevents water from entering the sand supply.

Do not allow small pieces of the sand bag to fall into the sand supply. A small piece of paper could prevent the flow of sand.

Application



Removal of:	Sand Mesh	Sand Type	Blasting Angle
Paint from Metal	20/40	Round Silica	0-30°
Paint from Masonry	20/40	Round Silica	0-20°
Rubber Base Paint from Masonry	10/35	Angular	0-15°
Paint from Wood (Coarse, Rough Cut Effect)	40/60	Round	1-10°
Paint from Wood (Smoother, Driftwood Effect)	20/40	Round	1-10°
Metal Scale	20/40	Round	0-15°
Rust	20/40	Angular	0-25°

Sand Mesh

Sand mesh refers to the size of sieve through which a particular grade of sand will pass. A "16/50" mesh means that normally, most of these particles will pass through a No. 16 sieve and a very small percentage will pass through a No. 50 sieve.

NOTE: A No. 16 sieve is a mesh that has 16, 0.046 sq. in. (1.19 mm) openings per inch.

Round Sand

This refers to round edge of the grain of sand which have triangular-shaped edges. Crushed rock or sand is usually of this type.

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 nozzle distance and impact. Always maintain the recommended blasting angle and the proper distance from your work surface for the best sandblasting performance.

Troubleshooting Chart

Problem	Problem Cause	Solution
No Sand	No MEG Nozzle Installed	See 'first use' section about installing a MEG nozzle
	Plugged sand probe	Clear obstruction and make sure air vents at the side of the sand probe are open
	Plugged sandblaster	Remove mixing nozzle and inspect mixing chamber
	Wet sand	Dry or replace sand
	Low vacuum	Valve open; air leaks in system. Tighten hose clamps.
Not Enough Sand	Collapsed hose	Replace hose or remove restriction.
	Partial obstruction to sand probe	Clear rocks or paper from sand probe inlet
	Low sand level	Change probe to new bucket of sand
	Low water pressure and/ or flowrate	Check MEG nozzle. See Troubleshooting Chart in pressure washer instruction manual

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PROFESSIONAL SAND BLAST KIT

Removal of:	Sand Mesh	Sand Type	Blasting Angle
Paint from Metal	20/40	Round Silica	0 - 30
Paint from Masonry	20/40	Round Silica	0 - 20
Rubber Base Paint from Masonry	10/35	Angular	0 - 15
Paint Base Wood (coarse, rough cut effect)	40/60	Round	1 - 10
Paint from Wood (smoother, driftwood effect)	20/40	Round	1 - 10
Metal Scale	20/40	Round	0 - 15
Rust	16/50	Angular	0 - 15

ACCESSORIES

1



UW11-PWE52E
12" Gutter Cleaner

3



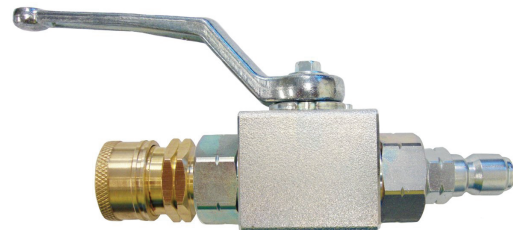
UW16-PW70B3
QC Chemical Injector
Flows to 8 GPM
3500 PSI
1.8mm, 2.0mm, 2.2mm Orifices

5



UW11-PW100R
Hose Reels
4000 PSI
100' Capacity

2



UW18715
Ball Valve
3/8-inch MNPT Plug
3/8-inch FNPT Quick-Connect

4



UWRN3000-3.0
Rotating Nozzle
Nozzle Size #3.5

6



UW16-SEE49A
4FT Hose, 3/8-Inch Male Pipe
Thread, 4000 PSI Rated