

The MIRACLE X-JET Nozzle

This 4 inch stainless steel nozzle injects and proportions soaps, chemicals or liquids at high pressure or low pressure without going through your pump, hose, or gun. The X-JET nozzle projects chemicals or other liquids to vertical heights of 40 feet or more, depending on your pressure washer. It can be used with virtually any pressure washer, hot or cold, from 1000psi to 6000psi.

ORIGINAL X-JET includes; long range nozzle, low pressure soap nozzle, quick connect plug, 14 piece proportioner set, shut off ball valve, strainer and 12' of suction hose with hose barb attachment.



X-JET M5 works just like the Original X-Jet, but the close-range nozzle is replaced by a built-in adjustable nozzle that projects chemicals or other liquids to vertical heights up to 40 feet at a 0° setting or twist for 8ft. distance at a 60° fanned spray. Includes 14 proportioners, shut off ball valve, strainer and 12' of suction hose.



HERE ARE JUST A FEW OF THE AMAZING APPLICATIONS FOR THIS TOOL:

Wash and remove mold, dirt and mildew from houses, buildings, water tanks, silos, roof tops, and high structures without using ladders, scaffolding, or a telescoping wand.

Sterilization of housing areas for poultry, hog, cattle and other agricultural needs.

Caustic spraying that requires using strong and harsh chemicals that destroy pumps.

Dispensing proportion insecticides such as orchard and garden spraying.

Degreasing of heavy equipment using high pressure soaping without going through the pressure washer pump.

Users of the X-JET

Mobile pressure washers	Industrial companies
Restaurants	Butcher shops
Rental companies	Garages
Farmers	Painters
Shipyards	Homeowners
Poultry and swine operations	Heavy equipment operators
Hospitals	and the list goes on
Airport de-icing facilities	



Rectangular, molded handle pail with a 4 inch screw top. The screw top has a brass barb installed. Just pop the X-JET hose onto the barb. There is a PVC tube that goes to the bottom of the pail and will draw all but 1/8 inch of chemical out. Just unscrew the top, fill the pail and screw the top on again. Now you have a totally enclosed X-JET system. No more spills. Holds 5 gallons. (SOLD SEPARATELY)

SAVINGS IN TIME AND MONEY!

1. Dramatically increase the life of your equipment! Chemicals do NOT go through the pump, hose, gun, lance, or couplings. Increase the life of your equipment and
2. Saves as much as 50 to 70 percent in labor time!
3. Proportions chemicals to eliminate chemical waste.
4. Decreases accidents by keeping the operator on the ground and away from the chemicals applied, therefore reducing workman compensation claims. SAVE \$\$\$
5. The **X-JET NOZZLE** can be rebuilt for a fraction of the cost of the original tool.

For questions, contact your local distributor or call 1-800- XTERIOR



Thank you for your purchase of the **X-JET NOZZLE**. You have purchased a revolutionary tool for your pressure washer. Please read the following instructions before using this revolutionary tool. If you have any questions after reading these instructions, please call your authorized distributor or **X-JET** at **1-800-XTERIOR** (1-800-983-7467).

SAFETY ALWAYS COMES FIRST

****WARNING**** when using this nozzle always exercise basic safety precautions, including the following:

1. Use this tool only for its intended purpose.
2. The **X-JET NOZZLE** must be properly installed in accordance with the installation instructions provided.
3. This is a high pressure spraying system nozzle. Water under high pressure and chemicals under high pressure can cause severe injury if not properly used. To prevent injury, do not point the nozzle at any part of your body or at any other person when in operation. The pressure from your machine can cut skin and cause burns. Keep all persons away from the pressure washing machine and the spray area of the nozzle.
4. Do not attach the nozzle directly to your pressure washing gun. The nozzle is to be placed at the end of the pressure washing lance by using a quick connect. Make sure the nozzle is securely fastened to the quick connect before operation.
5. Wear eye protection whenever you use this tool.
6. Do not climb on ladders when using this tool.
7. Follow all chemicals instructions and precautions before injecting it trough into this tool.
8. Do not disconnect tool while pressure washer is in operation.
9. Periodically clear any debris from the orifice of the nozzle.
10. Hand tighten the close range nozzle on the original **X-JET NOZZLE** to ensure a tight fit. Check frequently to prevent it from becoming a flying hazard. *(The M5 X-jet does not come with a close range nozzle as it has a variable nozzle.)
11. If water should stop flowing from the nozzle, turn unit off immediately. Make sure all pressure is off of the pressure washing hose and gun before you disconnect the **X-JET NOZZLE**. Check the nozzle for debris.
12. Keep hands away from the nozzle while in use.
13. Always follow OSHA regulations when using a pressure washer.
14. Always use genuine **X-JET** parts for replacement.

CLOSE RANGE NOZZLE

The close range nozzle is included in your kit when an original version is purchased. This is a very important tool that will save you much time. Attaching the **CLOSE RANGE NOZZLE** to the end of the original **X-JET NOZZLE** enables you to shorten the spray pattern so you can wash objects up close, such as hand rails on porches, decks, or overhead ceilings just to name a few, while still controlling the chemical to water ratio.

INSTRUCTIONS

ORIGINAL X-JET: Hand tighten the **CLOSE RANGE NOZZLE**. **NOT USED FOR DISTANCE CLEANING.** This is only used for washing surfaces at a close range (Note: periodically check that the close range nozzle is tight to ensure it will not come off causing any damage.)



X-JET M5: Works just like the Original X-Jet but the close range nozzle is replaced by a built in adjustable nozzle that projects chemicals or other liquids to vertical heights up to 40 feet at 0-60 degree spray pattern with just a twist. (Close Range Nozzle is NOT for use with the M5 Nozzle)















INSTALLATION

*Check to see if all items to the **X-JET NOZZLE** kit are included.

1. **The MIRACLE X-JET NOZZLE** (either the Original or M5).
2. 15 ft Hose Assembly with ball valve and filter screen.
3. Pack of 14 Colored Proportioners and Chemical Mixture Chart.
4. Close Range Nozzle (included with Original X-Jet only).

You will need a 1/4 inch female quick connect coupler to install your **X-JET NOZZLE (this will be on the end of your lance).**

<p><u>Step 1</u> Install a 1/4 inch quick connect socket at the end of your pressure washing lance if you do not already have one.</p>		
<p><u>Step 2</u> Insert the X-JET NOZZLE into the 1/4 inch quick connect socket at the end of your lance.</p>		
<p><u>Step 3</u> Take the 3/8 inch reinforced hose with the filter screen and push the open end of the hose onto the brass hose barb on the underside of the X-JET NOZZLE.</p>		
<p><u>Step 4</u> Put the end of the 3/8 inch reinforced hose with filter screen into your container of chemicals. Take note that there is a grey shut off valve 3 feet from the beginning of the reinforced hose. Make sure that it is in the off position before you begin using the tool.</p>		
<p><u>Step 5</u> With the pressure washer on, you can now apply chemicals by turning the grey shut off valve to the on position. (use the enclosed sheet titled, TIPS FOR WASHING HOUSES AND OTHER MILDEWED BUILDINGS as a guide in your first trial run in making up your chemicals for washing.</p>		

Included in your kit is a package of different colored proportioners . These proportioners are used to meter chemicals. They are used when using concentrated solutions of chemicals. We suggest you start using the nozzle without the proportioners on your first wash. After you get the feel for the nozzle, the proportioners can save you time and chemicals.

INSTRUCTIONS: Determine the ratio of water to chemical that you need. Based on the Gallon per Minute of your machine see the chart below to determine which color is needed. Insert the colored proportioner into the end of the brass barb that is on the side of the X-JET NOZZLE. Make sure you slide the proportioner inside the barb until it is snug.



X-JET PROPORTIONER CHART (WATER TO CHEMICAL MIXTURE)

<u>COLOR</u>	<u>2 GPM</u> <u>8 LPM</u>	<u>3 GPM</u> <u>11 LPM</u>	<u>4 GPM</u> <u>15 LPM</u>	<u>5 GPM</u> <u>19 LPM</u>	<u>6 GPM</u> <u>22 LPM</u>	<u>8 GPM</u> <u>30 LPM</u>
OPEN	.8-1	1.2-1	1.6-1	2-1	2.4-1	3-1
GREY	1.4-1	2-1	2.5-1	3-1	4-1	4.9-1
BLACK	3-1	4-1	5-1	6.5-1	8-1	11-1
BEIGE****	6-1	8-1	10-1	13-1	16-1	20-1
RED****	9-1	12-1	16-1	20-1	24-1	28-1
WHITE	16-1	22-1	30-1	38-1	45-1	51-1
BLUE	20-1	27-1	37-1	46-1	55-1	61-1
TAN(MED)	28-1	38-1	50-1	64-1	77-1	85-1
GREEN	31-1	42-1	57-1	70-1	85-1	90-1
ORANGE	35-1	48-1	64-1	80-1	96-1	102-1
BROWN	48-1	66-1	88-1	110-1	133-1	145-1
YELLOW	70-1	96-1	128-1	158-1	191-1	215-1
AQUA	94-1	128-1	170-1	215-1	257-1	284-1
PURPLE	146-1	200-1	240-1	300-1	400-1	501-1
PINK	280-1	383-1	500-1	480-1	766-1	906-1

****These are the proportioners that are used frequently when applying House Wash or 12.5% chlorine with no water added to chemical.

NOTE: THESE ARE APPROXIMATE RATIOS. RATIOS CAN VARY DEPENDING ON THE MANUFACTURE OF THE PRESSURE WASHER AND ALSO AT DIFFERENT SEA LEVELS. IF PRECISE MEASURING IS REQUIRED, PLEASE TEST THE EQUIPMENT TO FIND THE BEST RATIO FOR YOUR APPLICATION.

TIPS FOR WASHING HOUSES AND OTHER MILDEWED BUILDINGS

YOUR NEW X-JET NOZZLE IS PACKAGED AND READY TO USE FOR WASHING HOUSES AND BUILDINGS THAT ARE MILDEWED, MOLDED, AND DIRTY. THE ONLY ITEM YOU MUST HAVE IS A 1/4" QUICK CONNECT SOCKET AT THE END OF YOUR LANCE.

ENCLOSED WITH THE NOZZLE IS A PACKAGE OF COLORED PROPORTION TIPS. THESE ARE TO BE USED WHEN YOU WANT TO PROPORTION CHEMICALS SUCH AS HOUSE WASH, INSECTICIDES, PESTICIDES, LIQUID FERTILIZER, OR OTHER CHEMICALS THAT NEED EXACT PROPORTIONING. WE RECOMMEND THAT YOU BEGIN WASHING WITHOUT THE PROPORTION TIPS ON HOUSES IF YOU ARE WASHING WITH BLEACH AND SOAP. WE BASE THIS ON THE RECOMMENDATIONS OF OTHER CUSTOMERS USING THE X-JET NOZZLE.

RECIPE FOR WASHING A HOUSE

- 1. POUR TWO GALLONS OF HOUSEHOLD BLEACH OR 1/2 GALLON OF XTERIOR HOUSE WASH INTO A 5 GALLON CONTAINER ADD 1/4 CUP OF LAUNDRY OR DISH DETERGENT SOAP (SOAP ONLY. AVOID DETERGENTS WITH OTHER INGREDIENTS FOR SAFETY). FILL THE REST OF THE 5 GALLON CONTAINER WITH WATER. THIS IS YOUR WASHING RECIPE. INDUSTRIAL SOAP IS RECOMMENDED INSTEAD OF LAUNDRY DETERGENT BECAUSE IT WON'T KILL THE BLEACH, CALL XTERIOR FOR PRICING.**
- 2. YOU DO NOT HAVE TO USE THE PROPORTION TIPS ENCLOSED WITH THE X-JET. THE STAINLESS STEEL ORIFICE THAT IS INSIDE OF YOUR NOZZLE IS PERFECT FOR WASHING HOUSES WITH THE RECIPE ABOVE.**
- 3. USE YOUR X-JET NOZZLE TO WET DOWN ALL SHRUBS, FLOWERS, AND OTHER PLANTS CLOSE TO THE HOUSE. THE CLOSE RANGE NOZZLE (INCLUDED WITH THE ORIGINAL XJET) WORKS GREAT IN WETTING DOWN PLANTS.**
- 4. PLACE THE END OF THE HOSE WITH THE FILTER SCREEN DOWN INTO THE CONTAINER YOU ARE USING FOR THE RECIPE, OR REMOVE THE FILTER AND BARB TO ATTATCH THE HOSE TO THE ENCLOSED PAIL SYSTEM (SOLD SEPARATELY) .**
- 5. STAND BACK APPROXIMATELY 12 FEET FROM THE STRUCTURE YOU ARE CLEANING. OPEN THE CHEMICAL VALVE TO THE OPEN POSITION, BEGIN SPRAYING FROM THE TOP DOWN ON PAINTED SURFACES. IF YOU HAVE STAINED SIDING, IT IS BEST TO SPRAY FROM THE BOTTOM UP.**
- 6. LET THE RECIPE STAY ON APPROXIMATELY 2 MINUTES BEFORE YOU BEGIN RINSING.**
- 7. RINSE WITH THE SAME NOZZLE, RINSING THE WINDOWS FIRST SO THAT YOU WILL NOT HAVE ANY STREAKING. (NOTE: WASH SECTIONS OF THE HOUSE ONE AT A TIME TO ELIMINATE RECIPE DRYING ON SURFACES WHICH CAN CAUSE STREAKING.)**

YOU WILL FIND THAT IT WILL TAKE ABOUT 10 GALLONS OF BLEACH OR ONE GALLON OF XTERIOR HOUSE WASH TO CLEAN A 1800 SQ. FT. HOUSE, HOWEVER. THE TIME THAT YOU SAVE WILL BE WILL BE WORTH THE COST OF THE BLEACH.

THIS IS ONLY A RECOMMENDED RECIPE. CONDITIONS FOR CLEANING MAY DIFFER FOR EACH JOB. XTERIOR ASSUMES NO LIABILITY IN CLEANING OR CHEMICAL APPLICATIONS WITH OR WITHOUT USING THE X-JET NOZZL AS USE & CONDITIONS ARE BEYOND OUR CONTROL.