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## **COLD WATER PORTABLE PRESSURE CLEANER SERIES**

B3000/15GASS – B3000/21GASS –  
B3000/30GASS

Jetblaster Cold Water Portable Pressure Cleaner

# **INSTRUCT OPERATORS IN CARE AND USE OF THE MACHINE BEFORE USE.**

Before attempting to operate your machine, please read this instruction Manual thoroughly following all of the directions carefully. By doing so you will ensure safe operation of the unit and will enjoy a long and trouble free life of the machine.

## **WARRANTY**

This product is warranted against faults in manufacture for 12 months from purchase. Keep your receipt as proof of purchase. This warranty is invalid if the product is found to have been abused in any way or not used for the purpose for which it was intended.

Routine maintenance is the owner's responsibility. Failure to maintain the machine in line with the services outlined herein will void the warranty.

Where possible return faulty goods to the place of purchase. NO products can be returned to us without our permission prior to return of the item. The reason for return must be clearly stated.

**N.B WARRANTY IS NOT TRANSFERABLE TO THIRD PARTIES IN THE EVENT OF SALE OF THE MACHINE WITHIN THE WARRANTY PERIOD. PLEASE NOTE THAT ANY PARTS USED IN WARRANTY REPAIRS ARE WARRANTYED FOR A PERIOD LIMITED BY THE ORIGINAL WARRANTY OF THE PARENT PRODUCT.**

**WARRANTY DOES NOT COVER WEARING PARTS SUCH AS ORINGS, SEALS, VALVES, BYPASS, HOSES, GUNS, LANCES AND NOZZLES AFTER 14 DAYS OF PURCHASE.**

## **STANDARD EQUIPMENT**

Before proceeding with assembly of your unit, check that all parts listed below are included. (Some units are purchased without accessories)

1. Gun Handle assembly and high pressure hose
2. Lance and Nozzle assembly

## **SAFETY PRECAUTIONS – IMPORTANT!**

- 1) NEVER DIRECT THE SPRAY JET AT ANY PERSON OR ANIMAL
- 2) NEVER HOLD A FINGER OVER THE SPRAY JET NOZZLE
- 3) NEVER DIRECT SPRAY JET AT THE MACHINE ITSELF OR ANY ELECTRICAL COMPONENT

- 4) AFTER USE OF THE MACHINE RELEASE THE PRESSURE IN THE HIGH PRESSURE HOSE BY PRESSING THE TRIGGER ON
- 5) DO NOT ATTEMPT ANY MECHANICAL REPAIR. IF YOU HAVE ANY PROBLEMS WITH THE UNIT PLEASE CONTACT YOUR LOCAL SERVICE AGENT.
- 6) NEVER SUPPLY ANY LIQUID OTHER THAN WATER TO THE WATER INLET
- 7) NEVER PULL THE HIGH PRESSURE HOSE IF IT HAS FORMED A KINK OR NOOSE. NEVER PULL HOSE OVER SHARP OBJECTS.
- 8) NEVER RUN THE MACHINE OFF OF AN EXTENSION LEAD AS THIS WILL OVERLOAD THE SYSTEM AND CAN BURN OUT THE MOTOR AND / OR THE ELECTRICAL COMPONENTS IN THE ELECTRICAL BOX.
- 9) DO NOT ATTEMPT TO DISCONNECT ANY HOSE OR COUPLING WITH PRESSURE STILL IN THE SYSTEM
- 10) DO NOT OPERATE THE MACHINE WHILST STANDING ON LADDERS. USE A PLATFORM TOWER OR SCAFFOLDING
- 11) CHILDREN MAY NOT BE ALLOWED TO USE THE MACHINE
- 12) WE RECOMMEND THE USE OF SAFETY GOGGLES WHEN USING THIS MACHINE

## **HIGH PRESSURE SETTING**

The high pressure pump is factory set to operate at its rated pressure. **DO NOT ADJUST THE PRESSURE.** Tampering with the pressure regulator will void warranty and can be dangerous.

If pressure drops off, check the nozzle for wear. Nozzles should be replaced on a regular basis. Using the incorrect nozzle size or worn nozzles will void warranty and can be dangerous to the operator.

## **ASSEMBLY AND PREPARATION FOR USE**

1. Check the oil in the pump. Oil level should cover the red spot on the oil sight glass. Do not mix different grades of oil. Drain old oil first via drain plug at the rear or bottom of the pump and fill with new oil. Fill with SAE 20/30 or SAE 15/40 Oil Only.
2. Ensure breather / dip stick plug is fitted to the pump. (Yellow) Before operating the machine. Breather plug ensures against over pressuring the crankcase chamber and blowing the oil seals.
3. Connect lance to trigger by screwing coupling onto threaded section till firm. Be careful not to cross thread the thread as this will damage the coupling and will not allow it to seal correctly. If the thread is severely damage, do not attempt to operate the machine as this could cause the lance to “blow off” and can be dangerous to the operator.
4. Contact your local service agent and they will dispatch replacement parts or a service technician. Do not attempt to repair or force the coupling onto the trigger as this will void warranty.

## **HIGH PRESSURE HOSE**

Connect the high pressure hose to the threaded water pressure outlet of the machine via the screw coupling. No spanners are necessary.

## **WATER SUPPLY HOSE**

Use a good quality hose (not supplied) of 25mm diameter minimum. This inlet water hose will need to be a flexible hose and NOT a hard line as this will damage the pump and blow the internal bypass hose.

As your unit comes with an Automatic Stop/Start Time Delay it can only be operated off of the mains water or can be fed from a water tank, but will require a delivery pump in order to activate the Automatic Stop/Start. If you only have tank water without a delivery pump then the Automatic Stop/Start will not activate and the unit will need to be switched off manually when the trigger is released.

Fasten on end of the hose to the inlet hose connector securing against leaks.

## **OPERATION**

1. Turn on water supply
2. Pull Trigger to expel all the air from the system
3. Water will trickle from the end of the lance when the air is expelled
4. Switch machine on
5. Check that there are no leaks in the line connections, pistol or lance. Pressure commences when the trigger is squeezed.
6. Ensure high pressure hose is not tangled and then proceed to clean.

# **KEEP THE MACHINE OUT OF MOISTURE LADEN ATMOSPHERES**

## **ACCESSORIES**

Your Jetblaster water blaster can be used with a wide variety of optional extras to enhance performance. To use the accessories you must first disassemble the lance. Unscrew quick coupler to remove the lance. The accessories then can be connected to the trigger.

List of Accessories

1. Turbo Lance – *can cut cleaning in half*
2. Sandblasting Head – *ideal for rust removal, paint stripping and graffiti removal*
3. Adjustable Vario Nozzle Head – *allows high/low pressure adjustment and variable angle at the twist of the nozzle*
4. Optional Lances – *range of optional lance lengths in stainless steel or zinc plated*
5. Rotary Floor Cleaner – *allows flat surfaces to be cleaned in a fraction of the time normally taken*
6. Foam Lance – *efficient use of chemicals and ease of cleaning equipment*

## **CARE AND MAINTENANCE**

### **TO BE DONE AFTER EACH USE:**

If cleaning agents have mixed with the incoming water, it is particularly important to flush the machine with clean water after use.

If there is a danger of freezing, anti-freeze should be mixed with the flush water or the machine must be completely drained

After the final flush, stop the machine, **DO NOT** allow the machine to idle for more than 15 seconds. This is particularly important when there is a danger freezing. Do not run for longer without water supply.

### **DAILY INSPECTION CHECKLIST IMPORTANT**

1. Check pump oil level
2. Check all electrical connections for safety
3. Check nozzle wear
4. Check all high pressure components for leaks: Gun, Lance, high pressure hose and all fittings.
5. Check water filter and clean if necessary

### **REGULAR SERVICING**

All industrial machines need to be thoroughly serviced after the first 50 hours of use and then 300 hours of use or 6 months whichever comes first. The service involved should include the following: -

1. Change pump oil
2. Check filter for foreign debris
3. Check unloader valve and safety valves
4. Check all pressure components for leaks and replace as needed.
5. Replace nozzles
6. Check and replace hoses if necessary

# GENERAL FAULT FINDING:

Please find below a general fault finding list on the machine. This is to help with any minor problems that may arise with the unit during operation and will help solve that problem quickly and efficiently without too much down time. If any of these faults show up and do not quickly resolve please contact your nearest service provider.

<b>FAULT:</b>	<b>CAUSE:</b>	<b>REMEDY:</b>
<b>Pump running but machine low on pressure.</b>	<ol style="list-style-type: none"><li><b>1. Blocked nozzle</b></li><li><b>2. Worn Nozzle</b></li><li><b>3. Blocked inlet water filter.</b></li><li><b>4. Pump sucking air</b></li><li><b>5. Valves sticking</b></li><li><b>6. Unloader valve seat faulty</b></li></ol>	<ol style="list-style-type: none"><li><b>1. Inspect the nozzle thoroughly for any blockage. Take the nozzle off and hold up to light. You should be able to see through the hole. If there is any debris or something blocking it, clean out with air or water and reattach.</b></li><li><b>2. If nozzle is worn or broken it will need to be replaced.</b></li><li><b>3. Inspect any water filters to the machine and check for debris or something caught in them and clean them as necessary.</b></li><li><b>4. Check water supply and possibility of air ingress</b></li><li><b>5. Check and clean or replace is necessary.</b></li><li><b>6. Check and replace if necessary.</b></li></ol>

	<p><b>7. Nozzle incorrectly sized based on water flow and PSI.</b></p>	<p><b>7. Check and replace if necessary.</b></p>
<p><b>Fluctuating pressure/surging</b></p>	<p><b>1. Check all points 1-7 above</b></p> <p><b>2. Lack of water to the machine.</b></p>	<p><b>1. Do handlings as covered above.</b></p> <p><b>2. Check water to machine and that tap is still working, there are no blockages, water isn't being shared by others, etc.</b></p>
<p><b>Pressure low after period of normal use</b></p>	<p><b>1. Check points 1-7 above on low on pressure.</b></p> <p><b>2. Valves and Seals may be worn</b></p>	<p><b>1. Do handlings as covered in points 1-7 above.</b></p> <p><b>2. Take to a qualified repair technician</b></p>
<p><b>Pump noisy</b></p>	<p><b>1. Air suction</b></p> <p><b>2. Broken or weak suction or delivery valve spring.</b></p> <p><b>3. Foreign matter in valves</b></p> <p><b>4. Worn bearings</b></p> <p><b>5. Excessive temperature of liquid.</b></p>	<p><b>1. Check water supply and corrections on suction line.</b></p> <p><b>2. Check and replace if necessary.</b></p> <p><b>3. Check and clean if necessary</b></p> <p><b>4. Check and replace if necessary.</b></p> <p><b>5. Reduce to below 75 degrees C</b></p>
<p><b>Presence of water in oil</b></p>	<p><b>1. Oil seal worn</b></p>	<p><b>1. Check and replace if necessary.</b></p>

	<ol style="list-style-type: none"> <li>2. High humidity in air</li> <li>3. Piston packing worn</li> </ol>	<ol style="list-style-type: none"> <li>2. Check and change oil twice as often</li> <li>3. Check and replace if necessary</li> </ol>
Water dripping from under pump	<ol style="list-style-type: none"> <li>1. Piston packing worn</li> <li>2. Oring plunger retainer worn</li> <li>3. Seals, valves gone</li> </ol>	<ol style="list-style-type: none"> <li>1. Check and replace if necessary</li> <li>2. Check and replace if necessary.</li> <li>3. Inspect and replace as necessary.</li> </ol>
Oil dripping	<ol style="list-style-type: none"> <li>1. Oil seal worn</li> </ol>	<ol style="list-style-type: none"> <li>1. Check and replace if necessary.</li> </ol>
Excessive vibration in delivery line	<ol style="list-style-type: none"> <li>1. Irregulator functioning of the valves</li> </ol>	<ol style="list-style-type: none"> <li>1. Check and replace if necessary</li> </ol>

## **PUMP BREAKDOWN AND SPARE PARTS LIST:**

Please see the below lists of spare parts and machine component breakdowns including the wiring diagram.

These can be found on our website at [www.jetblaster.com.au](http://www.jetblaster.com.au) in the section of manuals.

Each part and wiring diagram is entered separately as listed here.

### **B3000/15**

**PUMP WS201**

**5.5KW NICOLINI MOTOR**

**K7-0 BYPASS**



**B3000/21**

**PUMP WS202**

**7.5KW NICOLINI MOTOR**

**K7-0 BYPASS**

**B3000/30**

**PUMP W2030**

**11KW NICOLINI MOTOR**

**K7-3 BYPASS**