

HORIZONTAL SKID

With proper care and maintenance, your new cleaning system will provide long and dependable cleaning service. For maximum performance and safety, **PLEASE READ ALL** instruction and cautions written for you in this manual. This manual has been specifically put together for your machine that you purchased.

Refer to Engine Operator's manual for proper
use and maintenance of your engine.

BE POWER EQUIPMENT USA, INC.
DECATURVILLE, TN 38329

THANK YOU FOR PURCHASING A BE POWER CLEANING SYSTEM. THIS MACHINE IS DESIGNED TO GIVE YOU MANY HOURS OF SERVICE, HOWEVER, REASONABLE CARE, ROUTINE MAINTENANCE AND PROPER OPERATOR INSTRUCTIONS FOR USE IS REQUIRED.

AS YOU PROCEED THROUGH THIS OPERATOR MANUAL IT IS IMPERATIVE THAT YOU FOLLOW AND ADHERE TO THE FOLLOWING SAFETY MESSAGES.

SAFETY MESSAGES

Your safety and the safety of others is very important. We have provided important safety messages in this manual and on the machine. PLEASE READ THESE MESSAGES CAREFULLY.

A safety message alerts you to potential hazards that could hurt you or others. Each safety message is preceded by a safety alert symbol and one of these three words: DANGER, WARNING, or CAUTION.

THESE MEAN:

DANGER

You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.

WARNING

You COULD be KILLED or SERIOUSLY HURT if you don't follow instructions.

CAUTION

You CAN be HURT if you don't follow instructions.

Damage Prevention Messages

You will see other important messages that are preceded by the word NOTICE.

This word Means:

NOTICE

Your machine or other property could be damaged if you don't follow instructions.

The purpose of these messages is to help prevent damage to your machine, other property, or the environment.

WARNING

AVERTISSEMENT

ADVERTENCIA

DANGER

DO NOT ATTEMPT TO INSTALL OR OPERATE THIS MACHINE UNTIL YOU HAVE READ THIS MANUAL. IF YOU OR YOUR OPERATOR CANNOT READ ENGLISH HAVE THIS MANUAL EXPLAINED FULLY BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT.

DANGER

THIS MACHINE MUST BE PROPERLY GROUNDED TO AVOID FATAL ELECTRICAL SHOCK IN THE EVENT THAT IT BECOMES ACCIDENTALLY GROUNDED. HAVE ELECTRICAL CONNECTIONS MADE **BY A** QUALIFIED ELECTRICIAN.

WARNING

DISCONNECT THIS MACHINE FROM ELECTRICAL SOURCE BEFORE **MAKING ANY** REPAIRS.

WARNING

THIS MACHINE IS DESIGNED TO PRODUCE VERY HIGH PRESSURE AT GUN TIP. TO PREVENT INJURY OR DAMAGE, HOLD CLEANING GUN SECURELY AT ALL TIMES WHEN PUMP IS IN OPERATION AND FLUID IS BEING SPRAYED.

CAUTION

CHECK CLEANING EQUIPMENT, REMOTE HOSE, GUN, WAND AND FITTINGS PRIOR TO OPERATION. DO NOT OPERATE THIS MACHINE WITH A DAMAGED OR WORN HOSE, LEAKS, OR WITH ANY COVERS OFF THAT WOULD EXPOSE BELTS, PULLEYS OR ELECTRICAL DEVICES OR CONNECTIONS.

DANGER

DO NOT OPERATE THE UNIT WHEN THERE IS AN ODOR OF GAS PRESENT. IF YOU OPERATE THE UNIT WHEN THERE IS AN ODOR OF GAS, IT COULD RESULT IN INJURY TO YOU OR OTHER PERSONNEL.

DANGER

TAMPERING WITH THE MACHINE'S FACTORY PRESET UNLOADER VALVE SETTINGS AND/OR THE PRESSURE RELIEF VALVE SETTING COULD RESULT IN A MACHINE EXPLOSION. DO NOT ATTEMPT TO CHANGE THE SETTINGS. DISCONTINUE USE IF A MALFUNCTION OCCURS AND CONTACT YOUR LOCAL AUTHORIZED DISTRIBUTOR.

DANGER

DO NOT OPERATE THE UNIT WITH A MALFUNCTIONING BURNER OR BURNER CONTROLS. INSPECT BURNER AND BURNER CONTROL OPERATION BEFORE EACH USE. FAILURE TO DO SO MAY RESULT IN AN EXPLOSION. IF YOU SUSPECT A PROBLEM WITH THE BURNER, DISCONTINUE USE IMMEDIATELY AND CONTACT YOUR LOCAL AUTHORIZED DISTRIBUTOR.

WARNING

FOR YOUR SAFETY, IF YOU SMELL GAS:

1. OPEN WINDOWS.
2. DO NOT TOUCH ELECTRICAL SWITCHES.
3. EXTINGUISH ANY OPEN FLAME.
4. IMMEDIATELY EVACUATE PREMISES AND CALL YOUR GAS SUPPLIER.

DANGER

MACHINES CAN CAUSE AN EXPLOSION WHEN OPERATED NEAR FLAMMABLE MATERIALS AND VAPORS. DO NOT USE THIS MACHINE WITH OR NEAR FUELS, GRAIN DUST, SOLVENTS, THINNERS. OR OTHER FLAMMABLE MATERIALS.

DANGER

THIS UNIT MUST BE INSTALLED IN COMPLIANCE WITH ALL APPLICABLE GAS CODES. FAILURE TO DO SO COULD RESULT IN INJURY TO YOU OR TO OTHER PERSONNEL.

OPERATING INSTRUCTIONS

1. STOP! Read operator's manual before operating this machine. Failure to read operation and warning instructions may result in personal injury or property damage.

2. Read engine manual. Turn on fuel valve and choke. Turn the engine switch to the START position and hold it there until the engine starts. NOTE: Do not use the electric starter for more than five seconds at a time. If the engine fails to start, release the switch and wait ten seconds before operating the starter again. When the engine starts, allow the engine switch to return to the ON position. If the engine is to be started without the battery, turn switch to start position and pull rope to start. Turn off choke.

3. With spray nozzle pointed away from you and anyone else, press trigger on spray gun to obtain pressurized cold-water spray.

4. For hot water, turn the burner switch ON when a steady stream of water flows out of the spray gun. Burner will light automatically.

NOTE: Do not start machine with burner switch on.

5. Adding exhaust vent pipe to your oil-fired burner is not recommended due to restricted air flow which causes carbon build-up, which affects the operation, and increases maintenance on the coil. If a stack must be used, refrain from using 90° bends. If the pipe cannot go straight up then use only 45° bends and go to the next size pipe. The overall pipe length must not exceed 6' in length.

6. Avoid installing in small areas or near exhaust fans. Exhaust contains poisonous carbon monoxide gas; exposure may cause loss of consciousness and may lead to death. It also contains chemicals known, in certain quantities, to cause cancer, birth defects or other reproductive harm.

WARNING

**RISK OF
ASPHYSIATION.
USE THIS
PRODUCT ONLY
IN A WELL
VENTILATED
AREA.**

7. Never run pump dry or leave gun closed longer than 3 minutes.

8. The best insurance against an accident is precaution and knowledge of the machine.

9. BE POWER is not liable for any changes made to our standard units, or any components not purchased from BE POWER.

10. Read engine safety instructions provided in the Diesel Engine manual.

11. Do not allow children to operate the pressure washer at any time.

12. Use No. 1 or No. 2 Heating Oil only. NEVER use gasoline in your fuel oil tank. Gasoline is more combustible than fuel oil and could result in a serious explosion. NEVER use crankcase or waste oil in your burner assembly. Fuel unit malfunction could result from contamination.

WARNING

**RISK OF FIRE
OR
EXPLOSION:
USE VAPOR
FUEL ONLY**

13. Do not confuse gasoline and fuel oil tanks. Keep proper fuel in proper tank.

14. Protect unit from freezing.

15. Be certain all quick coupler fittings are secured before using pressure washer.

16. Do not allow acids, caustic or abrasive fluids to pass through the pump.

17. Inletwater must be cold.

18. Protect high pressure hose from vehicle traffic and sharp objects.

19. Before disconnecting high pressure hose from water outlet, turn burner off and pull the trigger on the spray gun allowing water to cool to below 100°F before stopping machine. Then open the gun to relieve pressure. Failure to properly cool down or maintain the heating coil may result in a steam explosion

20. Do not overreach or stand on unstable support. Keep good footing and balance at all times.

21. This machine must be attended during operation.

22. Do not operate this equipment under the influence of drugs or alcohol.

23. Keep area clear of other people.

OPERATIONS (continued)

WINTERIZING PROCEDURE

1. Disconnect Water Supply.
2. Operate Pump to expel all water from system. Shut off pump and remove nozzle from gun wand.
3. Fill float tank with diluted permanent antifreeze.
4. Re-start pump. When antifreeze starts flowing from wand, let it flow into float tank to circulate through system for several minutes. Add more antifreeze to float tank to be sure system is completely filled with antifreeze. Unit is now antifreezed until ready to use again.

DELMING INSTRUCTIONS

The build-up of lime or mineral scale during the normal use of your unit will decrease the operating efficiency of the heating coils. How often you need to clean the heating coil will depend on your water condition. If your water is known to be hard or to have a high mineral content, a preventative maintenance schedule to clean the coil every 90 days is recommended.

1. In a five gallon container, mix deliming acid with water according to the manufacturer's recommendations. CAUTION: DO NOT use raw muriatic acid. Acid must be properly inhibited to protect pump and coil.
2. Turn off your water supply. Disconnect the hose at the inlet of the pump. Connect five or six feet of hose to the hose barb at the pump inlet. Tighten the hose clamp securely. Remove the spray nozzle from the gun and place the discharge end of the gun and the suction end of the water hose into the container. Elevate the container above the level of the pump. Secure the pump suction hose approximately five inches above the bottom of the container. We recommend the use of a strainer screen on the suction hose.

3. Turn on the pump and circulate the acid solution through the coil for 30 minutes, or until the discharge solution stops foaming. When foaming stops, the coil will be clean.

4. Remove the acid suction hose from the pump and connect the supply line from the float tank. Turn on the water supply and allow the float tank to fill. Turn the pump on and pump clear water through the coils for five minutes. Turn the machine off and replace the gun nozzle.

COIL CLEANING

Poor grade of fuel oil or inadequate combustion air will cause heavy soot buildup on the outside surfaces of the heating coil. This deposit of soot retards heating and restricts air flow through the coil. To clean off soot deposits, periodically add liquid "Red Devil" soot remover or a similar product to the fuel oil. Use manufacturer's mixing instructions. If sooting is severe, remove the coil and clean it with fuel oil and pressure wash the coil with detergent.

NOTICE

RINSE WATER/ RUN OFF

Do not allow rinse water and run off from cleaning surface to be deposited into storm drain or environment. A collection system must: be used that is in accordance with codes and regulations for the city, state and federal agencies.

WASHING TECHNIQUES

1. Hold spray nozzle approximately one foot from the surface being cleaned. Spray at an angle to get under the material being removed.
2. When washing large objects, use chemical injector to apply detergent. Start washing from the bottom and work up. After washing, rinse from the top down.
3. Cleaning heavy build-up with a hard stream of clear water is recommended before using a cleaning agent.

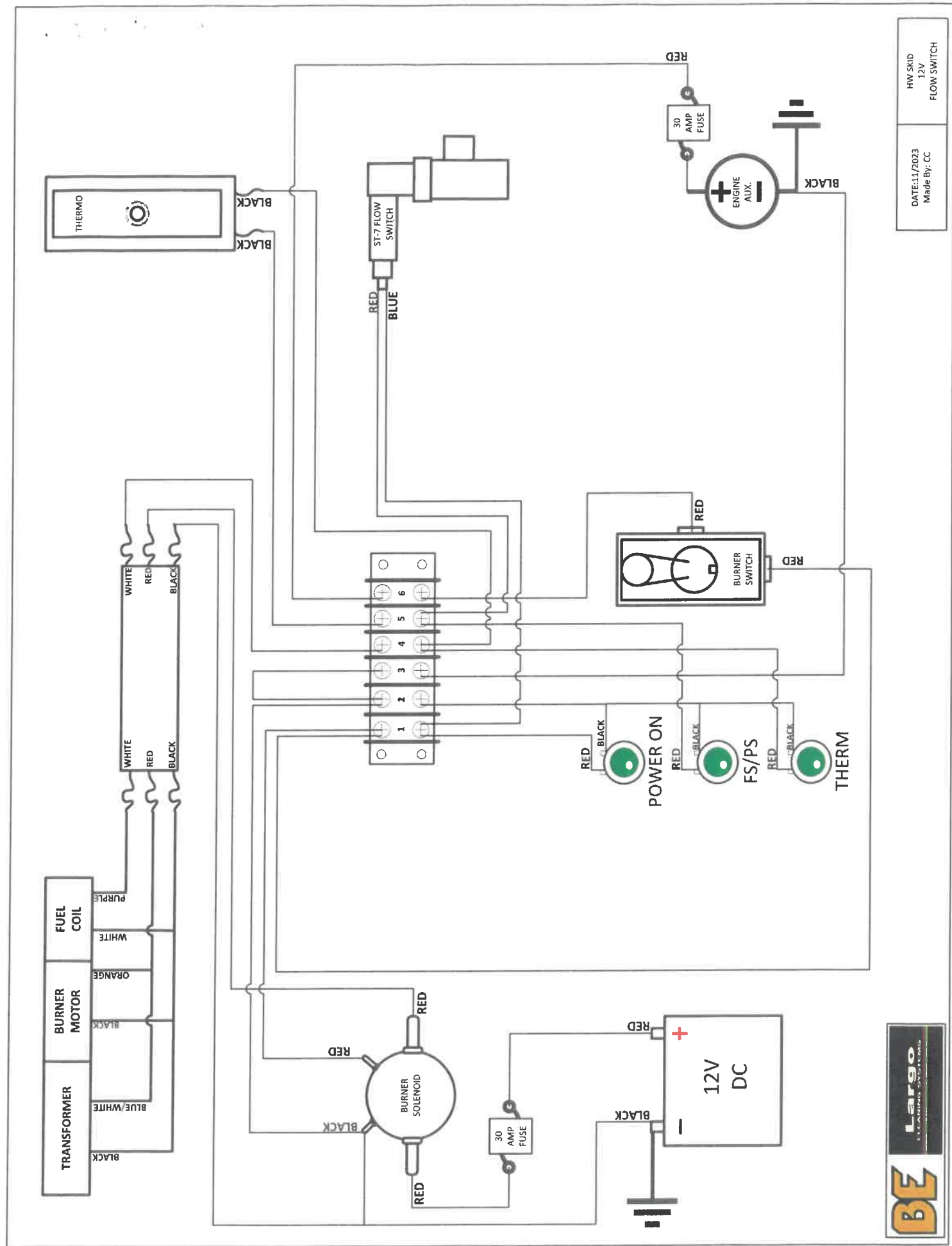
SHUT-DOWN PROCEDURES

1. Rinse all lines (and injector) with clean water to remove any soap residue.
2. Turn burner switch off and continue spraying, allowing the water to cool below 100°F.
3. Turn engine off.
4. Turn off water supply.
5. Open spray gun to relieve remaining pressure.
6. Remove water supply hose.
7. In freezing conditions, disconnect water supply and open spray gun to allow water to drain. Then turn off engine. See winterizing procedure under Maintenance and Service.
CAUTION - Do not allow pump to run without water. Disconnect all hoses to allow to drain.
CAUTION - With the machine off, open gun to release pressure before removing discharge hose.
CAUTION - Burner switch must be turned off when the engine is off.

PROBLEM	POSSIBLE CAUSES	REMEDY
1. Washer electrically dead	1. No power to the machine 2. Defective power cord 3. Defective main on/off switch 4. Fault or loose wiring	1. Check circuit breaker. Check for defective electrical outlet. 2. Repair or replace bad cord. 3. Test switches) and replace if defective 4. Check switch and motor wiring for solid connections.
2. Power supply circuit breaker often and will not stay "ON"	1. Short circuit in washer or elsewhere on the circuit 2. Undersized circuit being used or too much total load on circuit 3. Supply voltage is low 4. Undersized extension cord causing undervoltage to washer.	1. Check washer (and other loads same circuit for faulty wiring, loose wire, etc.) 2. Put the washer on a larger circuit, or remove other loads from the existing circuit. 3. 110 V. units require a minimum of 110V.; 220V units require 20V. Check line voltage and connect washer to adequate voltage supply 4. Contact electrician or supplier for size and length.
3. Thermal overload protector in nozzle overburdens motor	1. Partially or totally clogged spray swivel and chemical suction tube are present and in good, clean condition. 2. Undersized spray nozzle in use	1. Remove and clean out nozzle. make strainers on water inlet 2. Make sure nozzle size is correct as given in "Specifications" section
4. Thermal overload protectors trips often in either of both motors (pump and oil burner)	1. Supply voltage is low 2. Undersized extension cord causing undervoltage to washer.	1. Check line voltage and ensure a minimum 110 volts (minimum of 220 volts in 220 V. units) to the machine. 2. Contact electrician or supplier for size and length.
5. Electrical shock from cabinet or spray wand GROUNDED	1. Electrical leakage exists and WASHER IS NOT PROPERLY and strict use of properly grounded extension cords and receptacles. Never use an ungrounded, 2 conductor extension cord and never remove the grounding pin on the washer's power cord.	1. DO NOT USE. FIND PROBLEM OR CONTACT QUALIFIED ELECTRICIAN. Washer must be completely grounded at all times! This means a solid ground connection inside the cabinet

PROBLEM	POSSIBLE CAUSES	REMEDY
1. Burner motor runs but burner will not light	A. No Fuel B. No spark C. Poor atomization of fuel D. Excessive combustion air E. Air leak in fuel inlet line F. Clogged fuel filter G. Defective fuel pump (locked up) H. Air lock I. Defective temperature switch	A. Fill Tank B. Check ignition transformer and high tension insulators (see transformer diagram) C. Adjust oil pres. of fuel pump to 120 PSI or replace fuel nozzle (see fuel pump diagram) D. Close air band, open gradually until clean combustion is achieved E. Tighten fuel line fittings. F. Clean out or replace the fuel filter cartridge G. Replace with new fuel pump H. Bleed fuel pump I. Replace Switch
2. Burner smokes	A. Not enough air to burner B. Wrong type fuel C. Stack Restriction D. Air flow through coils restricted due to soot buildup	A. See 1-D for remedy B. Use kerosene or #1 heating fuel C. Use same size stack a vent size on machine D. Periodically add "Liquid Soot Remover" to the fuel oil. If sooting is severe, remove the coil and clean it with fuel oil and pressure wash the coil with detergent.
3. Burner fails to start	A. Defective switch B. Check for loose elec. connections C. Motor bearings frozen D. Motor shut-down by thermo-protector E. Generator not working properly	A. Check with voltage tester B. Tighten C. Free shaft and lubricate D. Allow motor to cool and push reset button, if motor cuts out again, check wiring to locate cause. E. Check with voltage tester.
4. Engine will not start	A. Malfunction	A. See Engine Manual

PROBLEM	POSSIBLE CAUSES	REMEDY
5. Float tank full. Water pump will not draw water	A. Airlock B. Clogged float tank filter screen	A. Loosen priming pump on top of pump and operate pump until trapped air is expelled. B. Clean or replace
6. High operating pressure, Pressure relief valve leaking	A. Lime deposits B. Wrong nozzle C. Nozzle clogged D. Defective pressure Relief Valve	A. Deline coil B. Replace with proper size nozzle C. Clean nozzle D. Replace with new Pressure Relief Valve
7. Water temperature too hot	A. Thermostat set too high B. Water supply to unit is too warm	A. Adjust on dial below 210° B. Reduce fuel oil pressure or replace with smaller fuel nozzle
8. Water temperature too cold	- Thermostat set too low B. Low fuel pressure C. Scale build-up in coil	A. See 9-A B. increase fuel pressure (See burner section) C. Descalc (according to instructions) adjust
9. Water Pump Malfunctions		See enclosed pump manual for your specific model



FEATURES

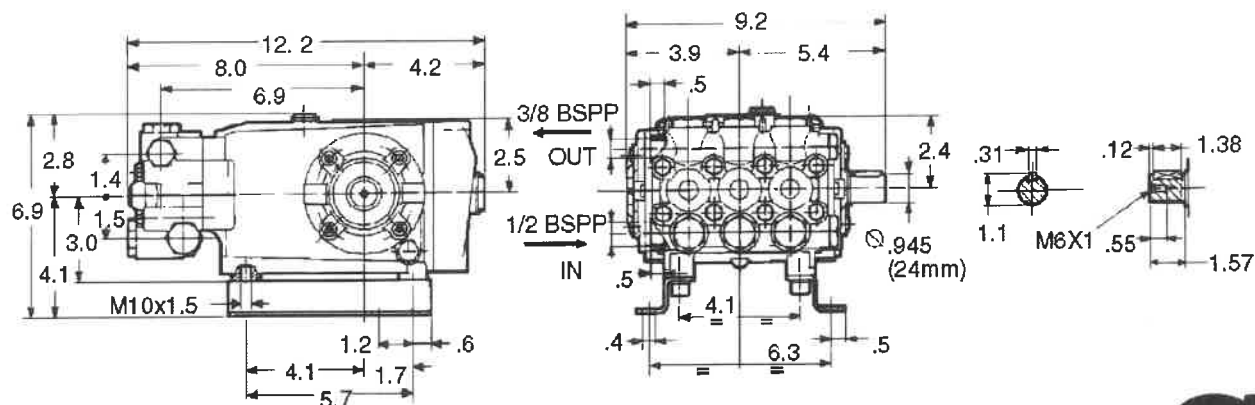
- The preferred pump frame in the pressure cleaning industry
- Forged brass manifold (T1011 and TS1021)
- Forged, nickel-plated, brass manifold (TS2021)
- Large-capacity, die-cast, anodized aluminum oil-bath crankcase
- Over-sized connecting rods for maximum life
- Heavy-duty tapered roller bearing
- Solid ceramic plungers with continuously lubricated packings
- Unitized stainless steel inlet and discharge valves



SPECIFICATIONS

Pump Model	T1011	TS1021	TS2021
Maximum Volume (GPM)	4.5 / 5.6	4.5 / 5.6	4.5 / 5.6
Maximum Discharge Pressure (PSI)	2000 / 1500	3000 / 1700	3500
Maximum Pump Speed (RPM)	1125 / 1450		
Maximum Inlet Pressure	125 PSI		
Maximum Inlet Vacuum	9 ft. water (7.9 in. Hg)		
Plunger Bore	.787 in. / 20 mm		
Plunger Stroke	.630 in. / 16 mm		
Crankcase Oil Capacity	33.8 oz.	37.2 oz.	
Maximum Fluid Temperature	165° F		
Inlet Port Thread	1/2-14 BSPP-F		
Discharge Port Thread	3/8-19 BSPP-F		
Shaft Diameter	.945 in. / 24 mm		
Weight	32 lbs.		
Dimensions	12.2" x 9.2" x 6.9"	12.6" x 9.2" x 6.9"	

DIMENSIONAL DRAWING



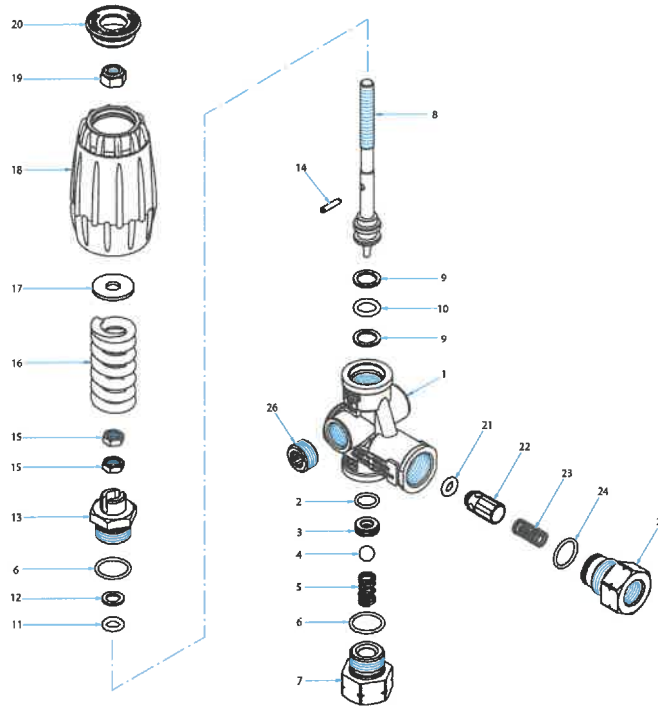
General Pump
is a member of
the Interpump Group



Ref 300204 Rev. N
06-22



A.R. NORTH AMERICA VRT3



120 - 1

Unloaders

Pos	Code	Description	Qty	Note
1	ML0109712660	Unloader Body 3/8 NPT F	1	
2	AL001-060129	O-Ring 10.82x1.78	1	
3	ML0106720380	Seat	1	○ ●
4	ML0106720390	Seat	1	□
5	ML0112720070	Ball	1	○ ●
6	ML0112720010	Ball	1	□
7	ML0107720820	Spring	1	
8	ML0110751311	O-Ring 17.17x1.78	2	
9	ML0115712390	Inlet Fitting 3/8" NPT F	1	
10	ML0115712290	Inlet Fitting 3/8" NPT F	1	□
11	ML0104720230	Stem	1	
12	AL030-000125	Backup Ring	2	
13	ML0110750910	O-Ring 10.78x2.62	1	
14	ML0110750170	O-Ring NBR 7.6 X 2.62	1	
15	ML0122790030	Fiber Ring	1	
16	ML0115712250	Stem Guide	1	
17	ML0118720120	Roll Pin	1	
18	AL005-030200	Nut M8	2	
19	ML0107770070	Spring Blue 5.7x20.7x56.25	1	●
20	ML0107770080	Spring Black 5.7x20.7x56.25	1	□
21	ML0107770060	Spring Yellow 5.7x20.7x56.25	1	○
22	ML150204	Washer D. 8.5x24.0x2.0 Z.B.	1	
23	ML400305	Unloader Knob	1	
24	AL005-030101	Self Locking Nut M8x8	1	
25	ML0128740080	Unloader Cap Blue	1	●
26	ML0128740090	Unloader Cap Gray	1	□
27	ML0128740070	Unloader Cap Yellow	1	○
28	AL005-060109	O-Ring 6.00x3.00	1	Included w/ Pos 22
29	ML0157710040	Jet	1	Includes Pos 21 & 23
30	ML0107720800	Spring	1	Included w/ Pos 22
31	ML0110751321	O-Ring	1	
32	ML0115712270	Coupling 3/8" NPT F	1	
33	AL005-170101	Plug 3/8 NPT M	1	

OPTIONAL PARTS/KITS

Pos	Code	Description	Qty	Note
	ML4079900008	Viton Seal Kit	1	○ ●
	ML4079900004	Repair Kit VRT3-250 & VRT3-160	1	Pos 2, 3, 4, 6, 9, 10, 11, 12, 21, 24
	ML4079900005	Repair Kit VRT3-310	1	Pos 3, 4, 6, 9, 10, 11, 12, 21, 24

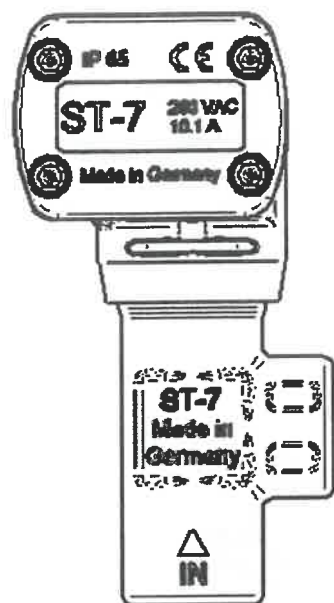
LEGEND

Symbol	Material	Description
○	-	VRT3-160
●	-	VRT3-250
□	-	VRT3-310

COUNTRY OF ORIGIN: ITALY
LAST UPDATED: AUGUST 2023



The choice of perfection



Description

The flow switch ST-7 is solely designed for the control of fluid flows combined with the electric transduction of a signal. The installation is possible independent of its position.



General safety notes

- To guarantee a safe operation the flow switch ST-7 may only be used in accordance with these Operating Instructions.
- Keep these Operating Instructions in a safe place for later reference.
- The housing of the flow switch may only be opened by an electrician by means of the required special tools.
- Fitting, electrical connection, implementing, operation and maintenance may only be carried out by skilled and authorized personnel.
- An operation with damaged components is forbidden. Damaged components need to be replaced immediately.
- Wear suitable protective clothing when working, for this please adhere to the relevant instructions.
- The flow switch ST-7 contains among other things a neodymium magnet which can be dangerous to many devices and commodities due to the extremely strong magnetic fields. Screens, computers, hard disks, EC cards and video cassettes are especially susceptible to strong magnetic fields. Mortal danger can arise for people having a pacemaker! Measurements at mechanical devices can also be affected by the magnets.
- Furthermore, the required safety and legal regulations for the actual application need to be observed. This way of proceeding also applies to all accessories.

Safety



Hazard!

If these instructions are not followed there is a danger of physical injury, danger to life and material damage!



Please comply with the Operating Instructions! Incorrect operation can lead to serious injury. Read the Operating Instructions before you use the appliance.



Info In addition the required safety and legal regulations for the respective type of use must be observed. This also applies to all accessories used.



Intended use

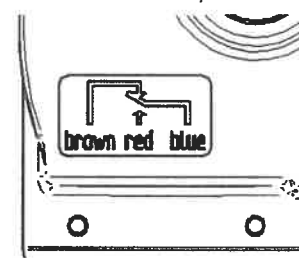
- The flow switch ST-7 is designed for the control of volume flows combined with the electric transduction of a signal.
- Only fluids of group 2 of the pressure equipment directive (PED) are allowed to be taken as a medium. In case of any doubts please refer to the equipment manufacturer.
- This device may only be operated with an appropriate pressure generator and an appropriate voltage source.
- This device is not designed for the use by persons (children included) having limited physical, sensory and mental capabilities due to a lack of experience and/or a lack of knowledge unless they are supervised by a person who is responsible for their safety or they have received instructions from that person regarding the use of the device.
- As a matter of principle it is strictly forbidden that children use this device.

User Manual ST-7

ST-7 flow switch with micro switch. Product Code: 200 007 XXX



The choice of perfection



Starting up

- All components need to be checked for damages before the flow switch is attached.
- The connections need to be attached appropriately to the medium. „IN“ marks the inlet. The outlet is not marked.
- The electric connection needs to be connected according to the circuit diagram placed at the back of the housing of the flow switch. Please carefully observe the wire colours of the connection cable.
- After the use with sticking media the flow switch ST-7 needs to be rinsed with clear water for several minutes in order to guarantee the functionality of the interior parts. Otherwise, sticking residue may settle in the flow switch and impair its functionality.



Otherwise, sticking residue may settle in the flow switch and impair its functionality.

Maintenance / repair

- If the flow switch ST-7 does not work smoothly please check if the interior is dirty. If so, the flow switch needs to be disconnected from the power supply and dismantled.

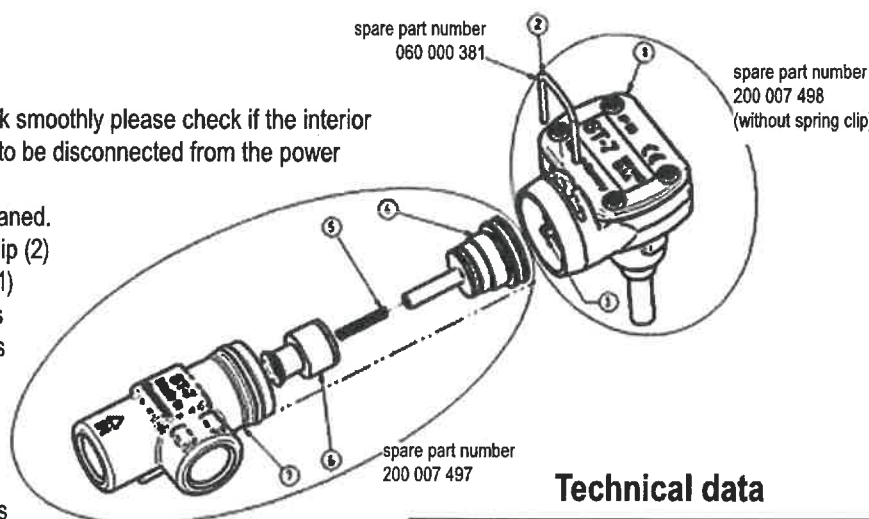
- After this the flow switch can be cleaned. For this please remove the spring clip (2) between the micro switch housing (1) and the brass housing (7) by means of a screwdriver. Please put all parts on a clean base.

Afterwards please check the plunger (3) to see if it is in practicability. The screw joint (4) needs then to be removed by means

of a suitable Allen key. The housing may now be tipped over. Please ensure that all interior parts (especially

observe the spring) are caught. Moreover, please make sure that the ring magnet does not attract any magnetic small parts lying around. Please check now if all connections are free. Sticking dirt needs to be removed from the parts. The magnet needs to be treated with care as it may split in case of strongly mechanical stress.

- If all parts are clean and undamaged the flow switch can be put together and connected.
- Available spare part numbers are obtained from the above drawing.
- It is only allowed to use original spare parts. Otherwise, all liability and warranty claims are rejected.



Technical data

Model	200 007 500
max. pressure	350 bar
max. recommended pressure	315 bar
min. pressure	10 bar
max. volume flow	45 l/min
permissible temperature range	0 - 80 °C
Volume flow at the time of switching on (horizontal fitting position)	4.8 l/min
Volume flow at the time of switching off (horizontal fitting position)	3.5 l/min
Volume flow at the time of switching on (vertical fitting position)	4.9 l/min
Volume flow at the time of switching off (vertical fitting position)	3.5 l/min
pressure loss at 15 l/min	approx. 1.0 bar
pressure loss at 30 l/min	approx. 1.6 bar
inlet	G 3/8 F
outlet	G 3/8 F
tension	230 V AC
max. permissible current	10.1 A
protection class	IP 65
installation height	approx. 102 mm
installation width	55 mm
min. installation depth (due to bending radius of the cable)	approx. 110 mm
weight	approx. 0.35 kg

WARRANTY STATEMENT

BE Power Equipment Inc. warrants to the original retail purchaser that our new products are free from defects in material and workmanship for the timeframes set forth. If a defect is found in a BE Power Equipment product within the limitations outlined in this warranty statement, BE Power Equipment, at its sole discretion, will repair, replace, or credit the product.

The warranty coverage begins on the date of the retail purchase by the end-user. Valid proof of purchase must be presented with the warranty claim.

This warranty is limited to defects that occurred during regular operational use. It does not cover failures due to lack of maintenance, negligence, abuse, misuse, including, but not limited to, freezing damage, alterations, chemical deterioration, scale buildup, rust, thermal shock, thermal expansion, transportation damage, oil changes, valve adjustments, fuel system maintenance, or the use of incorrect parts. Furthermore, using the wrong fuel, water, or power supply is considered a form of misuse.

This warranty does not cover normal wearing items such as O-rings, valves, seals, filters, spark plugs, or packings. These are normal wearing items and should be factored into your regular maintenance schedule.

The warranty herein is in lieu of all other warranties, express or implied, including any implied warranty of fitness for a particular purpose. BE Power Equipment does not authorize any of its dealers, service centers, agents, employees, or any other party to expand, extend, or modify the scope of this warranty in any manner on behalf of BE Power Equipment.

BE Power Equipment expressly disclaims liability for injuries to persons or property, or for incidental damages, rental loss, time loss, transportation costs, or consequential damages. It is the buyer's responsibility to ensure the correct installation, application, and use of the product purchased.

HONDA ENGINE WARRANTY

Honda requires their warranty claims to be evaluated and processed at their respective authorized service centers. Locations can be found on their respective website.

REGISTERED PRODUCT EXTENDED WARRANTY

BE offers an extended warranty on its products upon registration on the website. To qualify for the extended warranty, products must be registered within 90 days of purchase. This extended warranty does not apply to Honda engines; it is your responsibility to follow and adhere to the Honda warranty processes and procedures. BE retains sole discretion in determining whether the failure results from a manufacturing defect or workmanship and is the cause of premature failure.

PRODUCT REGISTRATION

Scan the code to register products.



WARRANTY CLAIM PROCEDURE

Contact the BE Technical Service department at 1-866-850-6662 or email us at servicecenter@bepressure.com with the following information:

- Model/part number
- Serial number (if applicable)
- Copy of the original purchase receipt
- Detailed description of the failure
- Any additional relevant details or photos pertinent to the situation

AUTHORIZED BE SERVICE CENTERS

Scan the code to find an authorized BE service center.



WARRANTY TIMELINES

CATEGORY	PRODUCT/SERIES	STANDARD WARRANTY	REGISTERED EXTENDED WARRANTY
Engines and Motors	Honda GX	3 Years Through Honda	N/A
	Vanguard	3 Years	5 Years
	Powerease Gas Engines	3 Years	5 Years
	Powerease Electric Motors	1 Year	5 Years
	Baldor Electric Motors	3 Years	5 Years
	Techtop Electric Motors	3 Years	5 Years
Pressure Washers	Workshop Series	1 Year	5 Years
	Commercial Series	3 Years	5 Years **Excluding Honda Engines
	Industrial Series	3 Years	5 Years **Excluding Honda Engines
Inverter and Generators	All Units	3 Years	5 Years
Water/Chemical/Trash Pumps	All Units	3 Years	5 Years **Excluding Honda Engines
Accessories	All Accessories	1 Year	N/A