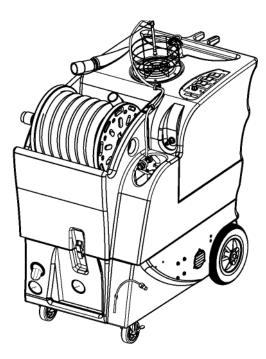


# KC-1200 PRO 240V DUAL SURFACE EXTRACTOR



## INFORMATION & OPERATING INSTRUCTIONS

#### DO NOT OPERATE MACHINE UNTIL YOU HAVE READ ALL SECTIONS OF THESE INSTRUCTIONS IMPROPER USE OF THE MACHINE WILL VOID THE WARRANTY

- 1. **DANGER: High spraying pressure may cause severe injury**. Always wear safety glasses. Keep hands away from spray. Never direct the spray towards people or pets.
- 2. Never allow the spray to remain fixed in one spot.
- 3. Before each use, remove the spray tool from the hose, and check to make sure the spray nozzle is securely tightened to the spray tool. A loose nozzle could fly off during use.
- 4. If a leak occurs at the hose, IMMEDIATELY turn the machine off. Replace hose before restarting.
- 5. Always use a defoamer when foaming occurs to prevent vacuum motor damage.
- 6. Keep the machine from rain and snow, extremes in temperatures, and store it in a heated location. Use the machine indoors. Do not use outdoors.

#### IMPORTANT SAFETY INSTRUCTIONS

This machine is only suitable for commercial use, for example in hotels, schools, hospitals, factories, shops and offices other than normal residential housekeeping purposes.

When using any electrical appliance, basic precautions should always be followed, including the following:

**NOTE**: Read all instructions before using this machine.

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To reduce the risk of fire, electric shock, or injury:

- Do not leave the machine unattended when it is plugged in. Unplug the unit from the outlet when not in use and before servicing.
- To avoid electric shock, do not expose to rain or snow. Store, and use, indoors.
- Do not allow to be used as a toy. Close attention is necessary when used near children.
- Use only as described in this manual. Use only the manufacturer's recommended attachments.
- Never add water over 54°C/130°F to the solution tank.
- Do not use with damaged cord or plug. If the machine is not working as it should, has been dropped, damaged, left outdoors or dropped into water, return it to a service center.
- Do not pull by the cord, use the cord as a handle, close a door on the cord, or pull the cord around sharp edges or corners. Do not run the machine over the cord. Keep the cord away from heated surfaces. To unplug, grasp the plug, not the cord.
- Do not handle the plug, the cord or the machine with wet hands.
- Extension cords must be 12/3 and no longer than 50 feet. Replace the cord or unplug immediately if the ground prong becomes damaged.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep loose clothing, hair, fingers, and all parts of body away from openings and moving parts.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes, or any health endangering dusts. Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.
- Connect to a properly grounded outlet only.
- Liquid ejected at the spray nozzle could be dangerous as a result of its temperature, pressure, or chemical content.

#### **INSPECTION:**

Carefully unpack and inspect your KING COBRA-1200 PRO 240V for shipping damage. Each machine is tested and inspected before shipping. Any shipping damage incurred is the responsibility of the carrier. You should notify the carrier immediately if you notice damage to the box or to the machine or parts.

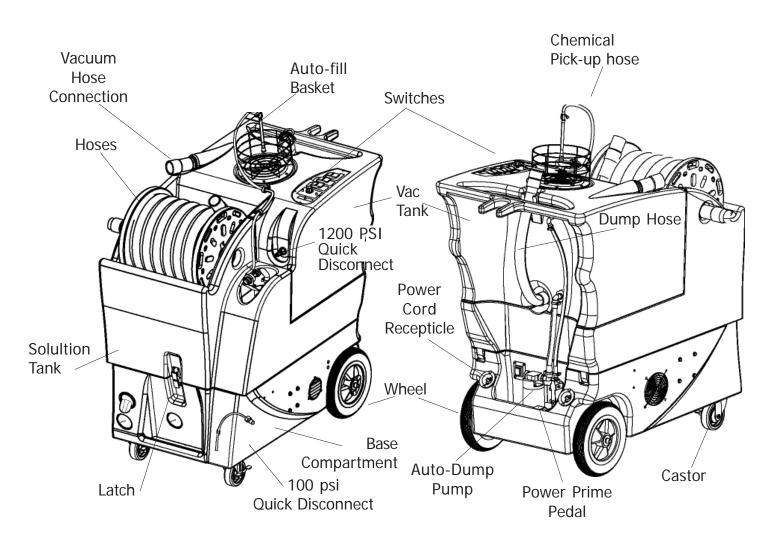
#### **CLEANING SOLUTIONS:**

Select a proper pre-spray for the surface to be cleaned, and apply the pre-spray. Use a neutral pH rinse or detergent (6 to 9 pH) in the King Cobra to prevent premature wear of the pump, seals and other components. Damage caused by the use of improper or strong chemicals is not covered by warranty. When cleaning carpets with the 500 psi pump, we recommend our Magic Fabric Cleaner. Powders are not recommended.

#### **MAINTENANCE:**

For optimum performance, flush the machine with clear water at the end of each working day. Once a month, minimum, run a flushing compound through the machine to break up any mineral or chemical build-up that may have formed.

U.S. Products "X-1500" is recommended. The vacuum motor, pump motor, and the pump do not require any scheduled maintenance; however, the motors may require replacement brushes after 1000 - 1500 hours, and the 1200 psi pump and unloader valve may require rebuild kits after 500 -1000 hours (refer to machine part list for numbers). Clean the body with an all purpose detergent, and protect it with an automobile interior polish. Lubricate the wheels, castors, and quick disconnects with an all purpose silicone spray.



Record the serial number and model of your new extractor here:

(and be sure to mail your warranty card)

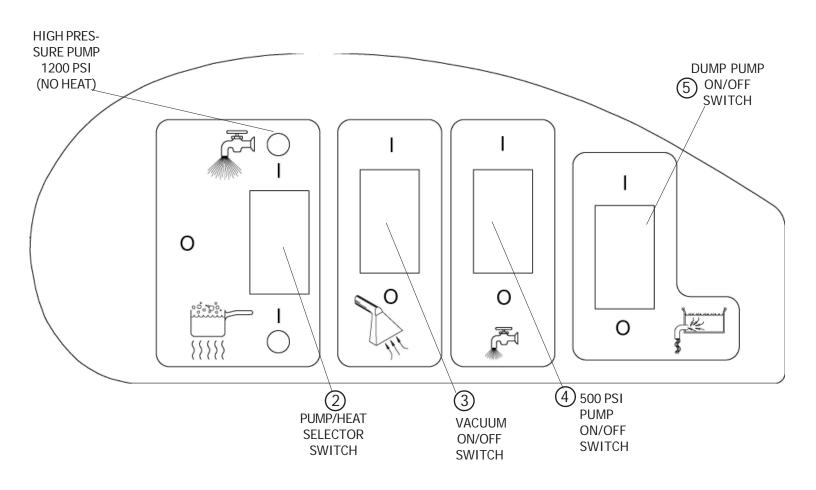
Serial Number: \_\_\_\_\_ Model: <u>KING COBRA-1200 PRO 240V.</u>

Purchase Date:\_\_\_\_\_

Write the name and phone number of your distributor:

SWITCH PLATE

4



#### **HIGH PRESSURE WASHER**

- 1 Before each use, inspect the machine, hoses, and cleaning tools for cleanliness and completeness. Make sure hoses are in good condition and the spray nozzle(s) is tight.
- REFER TO THE AUTO-FILL AND AUTO-DUMP INSTRUCTIONS ON THE FOLLOWING PAGES
  Connect the dump hose to the back of the machine, and place the open end of the hose in a drain. Make sure the recovery tank drain hose is closed and that the lid is screwed on tight.
- 3. If you choose to use the auto-fill feature, connect the fill hose to the autofill valve (located over the solution tank fill hole. Place your gallon of chemical in the chemical basket on the recovery tank lid, and put the weighted foot valve into the gallon. Turn on the water source, and allow the tank to fill with solution. When using the auto-fill system, the auto fill valve will automatically turn on and turn off as the tank empties and then fills. NOTE: If you are not going to use the auto-fill system, just fill the tank with water and cleaning chemical. Follow chemical directions regarding dilution and mixing. Do not use harsh chemicals; they may damage seals in pumps and valves, and cause the pump to wear prematurely. NOTE: using warm water in the tank may improve the efficiency of the heat exchanger when cleaning with heat, but never use water with a temerature exceeding 54°C/130°F.
- 4. Pre-spray the area to be cleaned, with a pump-up sprayer, while the tank is filling. Follow chemical directions.
- 5. Connect the solution hose (from the reel) to the 1200 PSI Quick Disconnect on the front of the tank, below the switch plate. Refer to illustration on page 3.
- 6. Plug in the two power cords. Do not connect both cords to the same outlet. Although all systems on the high pressure side of the machine may work correctly if you are not on two circuits, a circuit breaker in a wall panel may trip.

Turn on the high pressure pump by placing the HIGH PRESSURE/HEAT selection switch (2) in the UP position, to select the High Pressure Pump. **NOTE**: The high pressure pump and the heat can not operate at the same time. **NOTE:** this switch is off when it is set to the middle position and neither the high pressure pump or the heater is selected.

- 7. Prime the 1200 psi pump using the '**power prime**' system: turn on both the pump and the vacuum, cover the hole in the hose barb with your hand, then depress the Power Prime Pedal. This will pull trapped air through the pump and into the recovery tank , priming the pump. You will notice a 'tone' change from the pump (smoother, with less of a rattle), and the water being pulled into the recovery tank will change to a clear, solid stream. Priming may take 20 60 seconds and will require a <u>full</u> solution tank. When the pump is primed, let off the Power Prime Pedal, and turn off the pump and the vacuum. Depress the Power Prime Pedal once again, for a moment, to release the line pressure. Proceed to the next step.
- 8. Add defoamer to the recovery tank.
- 9. Attach the solution spray hose to the solution quick disconnect. Attach the vacuum hose to the hose barb on the front of the recovery tank. Pull the hoses out from the reel. Attach the other ends of the hoses to the cleaning tool.
- 10. Turn on the vacuum (3) and turn on the dump pump (5). Begin spraying. **NOTE**: the dump pump will automatically turn on and turn off as the tank fills and then empties (refer to drawings on page 8).
- 11. When the job is finished, turn off the water source. Vacuum the remaining solution from the holding tank into the recovery tank.
- 12. Run a few gallons of clean water through the system. Completely drain the recovery tank by placing the dump hose over a drain, or a bucket, and removing the cap. Disconnect the hoses from the cleaning tool, and reel them up onto the hose spool.
- 13. Unplug the power cords.
- 14. Clean the machine and the tool.



#### CAUTION: Use care when handling hazardous chemicals.

CAUTION: Never leave the 1200 psi pump running when you are not actively using it. DANGER: Do NOT use solvents, or any chemicals that may be flammable, explosive or combustible.

#### LOW PRESSURE AND HEAT

- 1 Before each use, inspect the machine, hoses, and cleaning tools for cleanliness and completeness. Make sure hoses are in good condition and the spray nozzle(s) is tight. **REFER TO THE AUTO FILL AND AUTO-DUMP INSTRUCTIONS ON THE FOLLOWING PAGE**
- 2. If you choose to use the auto-dump, connect the dump hose to brass hose fitting on the back of the machine, and place the open end of the hose in a drain and make sure the recovery tank drain hose is closed, and the lid is tight on the recovery tank. Otherwise, just make sure the brass cap is on the hose connector.
- 3. If you choose to use the auto-fill feature, connect the fill hose to the autofill valve over the solution tank. Place your gallon of chemical in the chemical basket, and put the weighted foot valve in the gallon. Turn on the water source, and allow the tank to fill with solution.

If you are not going to use the autofill system, just fill the tank with water and cleaning chemical. Follow chemical directions regarding dilution and mixing. Do not use harsh chemicals; they may damage seals in pumps and valves, and cause the pump to wear prematurely. **NOTE**: using warm water in the tank may improve the efficiency of the heat exchanger when cleaning with heat, but never use water with a temperature exceeding  $54^{\circ}C/130^{\circ}F$ .

- 4. Select 'HEAT" by moving the HEAT/HIGH PRESSURE switch towards the thermometer symbol. NOTE: this switch is off when it is set to the middle position and neither the high pressure pump or the heater is selected. When set to the bottom position, the heat is selected; the red light will come on and stay on. NOTE: The heater and the high pressure pump can not operate at the same time.
- 5. Plug the power cords into separate circuits. Although all systems in the machine may work correctly if you are not on two circuits, a circuit breaker in a wall panel may trip.
- 6. Press the '**power prime**' pedal (located on the rear, lower left of the machine) for a moment to release any back pressure in the pump lines.
- 7. Connect the solution hose to the 500 psi Quick Disconnect on the lower, right -front of the machine, and connect the vacuum hose to the hose barb on the top, left of the recovery tank. Connect both hoses to the cleaning tool
- 8. Turn on the 500 PSI pump (4).
- 9. Spray for a few seconds to fill the lines with solution. Wait two minutes to allow the heater to reach temperature.
- 10. Begin cleaning. It may take several cycles to heat the lines and the cleaning tool.
- 11. If you are not using the autofill and autodump features, turn off the pump and vacuum when the solution tank gets low, fill the solution tank, and empty and clean the recovery tank.
- 12. When finished with the job, turn off the water source. Vacuum the remaining solution from the holding tank into the recovery tank. Run a few gallons of clean water through the system. Drain the recovery tank by placing the drain hose over a drain or into a bucket and removing the cap. When the tank is empty, cap the drain hose and place it back in the Velcro<sup>®</sup> holder. Disconnect the hoses from the cleaning tool, and reel them up onto the hose spool.
- 13. Unplug the power cords.
- 14. Clean the machine and the tool.

**NOTE:** to remove the complete reel, with hoses, from the machine, pull the vacuum hose loose from the hose barb on the front of the tank, and push the short piece of vacuum hose into the center of the hose spool. Disconnect the solution hose quick coupling. Grasp the spool on both sides, and lift it off the machine. **NOTE:** before servicing any component in the base cabinet, the hoses and spool must be removed from the machine before the tanks can be lifted open.

#### AUTO-FILL

#### 1 Chemical Supply:

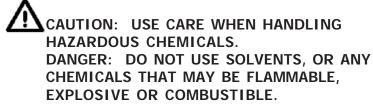
- Place the container of concentrated chemical cleaner -- use a product with a pH between 7 and 9 to avoid premature pump wear, which would void the warranty -- in the holder on top of the recovery tank.
- Remove the cap on the container.
  Insert the end of the clear tubing with the foot valve into the container. NOTE: the stainless steel weight at the foot valve will keep the valve at the bottom of the chemical container.
- The chemical flow may be turned on or off by applying the pinch clamp to the tubing, between the chemical container and the autofill valve.

#### 2 Chemical Injection Flow Rate:

- Metering tips are used to control the rate at which the cleaning chemical feeds into the supply water. The following table illustrates the ratio of chemical, in ounces, to each gallon of water coming into the tank. The tips are color coded for ease of use.
- NOTE: the flow rate values in the table are based on a chemical with the same viscosity as water.

METERING TIP FLOW RATES					
COLOR	OZ/GAL	COLOR	OZ/GAL		
TAN	0.60	WHITE	3.00		
ORANGE	0.70	GREEN	3.50		
TURQUOISE*	1.00	BLUE	4.00		
PINK	1.25	YELLOW	5.25		
LIGHT BLUE	1.75	BLACK	6.75		
BROWN	2.00	PURPLE	10.50		
RED	2.75	GRAY	14.00		

\* NOTE: the turquoise colored tip is factory installed (provides a 1 oz. to 1 gal. ratio -- see table).

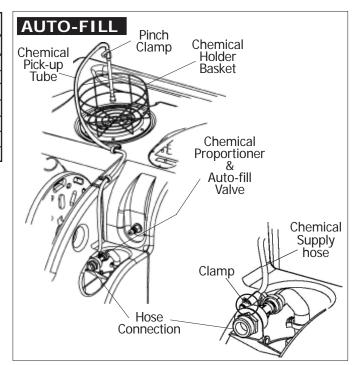




- Attach a 3/4" garden hose to the autofill valve, and connect the other end of the hose to your water source.
- Make sure the float that hangs from the autofill valve into the tank is free of obstruction and can move freely.
- Turn on the water supply.
- As the tank fills, the chemical concentrate will be drawn from the chemical container, will pass through the clear tubing to the valve, and will be mixed into the water stream.
- The autofill float will automatically shut-off the flow of incoming water when the tank is nearly full, and it will allow the valve to open again once the water level has dropped to a predetermined level.

#### **TO CHANGE METERING TIP**

To change the metering tip: find the black, plastic hose-clamp on the chemical feed tubing, near the Auto-fill valve. Refer to illustration. Open the clamp by sliding the two ends of clamp (where they come together) apart sideways, in opposite directions, with a screwdriver, until the clamp opens. Then pull the clear chemical supply hose off the hose barb at the Auto-Fill valve. Unscrew the metering tip from the end of the hose barb. Select the tip that will provide you with the appropriate chemical ratio (see chart, above). Screw the selected tip into the end of the hose barb. Snug-up the tip, but do not overtighten. Slide the hose back over the tip and the hose barb. Install the clamp onto the hose so it is over the hose barb, and squeeze the clamp closed.



#### AUTO-DUMP

#### 1 <u>Operation:</u>

**Before each use:** if necessary, unscrew the stainless steel filter inside the recovery tank and clean it. Also make sure the float in the recovery tank is clean.

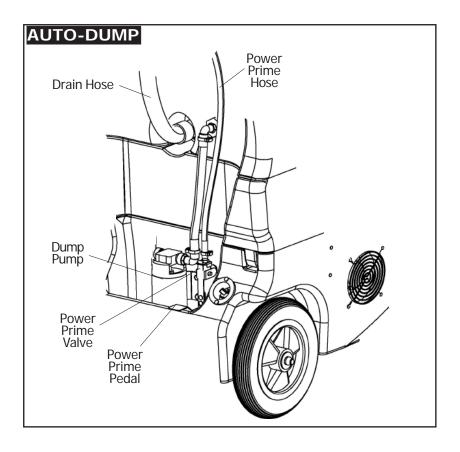
- Attach a 3/4" garden hose to the dump pump outlet fitting on the back of the base of the machine. Refer to illustration below.
- Run the other end of the hose into a drain.
- Turn the dump pump switch ON (switch is located on the switch panel on the top of the machine).
- **NOTE:** the dump pump will only run when the tank is full enough to activate the float switch.
- **NOTE**: the pump is 'self-priming.' You should see water start to flow within 30 seconds of the pump turning on. If water does not begin to flow, check the filter to see if it is plugged with debris. *After each job*: run clear water though the dump pump to wash out any chemical residue. Remove and clean the stainless steel filter in the back of the tank. Reinstall the filter once it is clean. Clean and empty the recovery tank.

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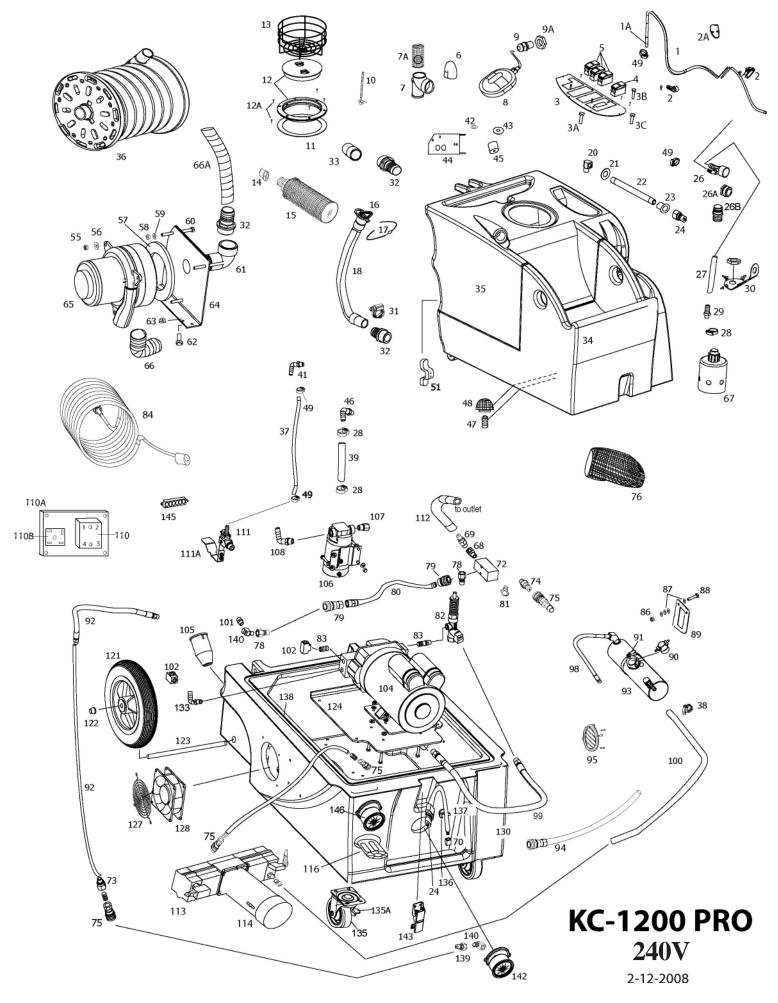
#### DANGER: DO NOT USE SOLVENTS, OR ANY CHEMICALS THAT MAY BE FLAMMABLE, EXPLOSIVE OR COMBUSTIBLE.

## CAUTION: always use a defoamer in the recovery tank to prevent water or foam from entering the vacuum motor.

**CAUTION:** if the dump pump is not going to be used for a month or longer, remove the pump impeller cover, pull the rubber impeller out, clean it and apply a generous coating of petroleum jelly to the impeller before replacing it in the pump. Make sure the gasket is in place and in good condition before you screw the impeller cover back on.



DANGER: always unplug the King Cobra from the electrical outlet(s) before cleaning or maintaining. Certain internal components are electrically live, even with switches in their OFF position.



## KING COBRA-1200 PRO PART LIST 240 V

1      TA-37C      Hose, Chemical Pick-up, 54*      56      15      Washer, flut, 576*        2      798      Wire lie, white, 8*      58      320AB      Nut, finish, 516        2A      1323      Clamp, quick, pinch opening      59      34      Washer, spill lock        3A      227      Light green      61      1131      Elbow, PVC        3B      228      Light, red      62      5      Bolt, 1/4-20      X4*        4      56220001      Switch, while lamp      64      924      Manifold, vacuum      66      430      Vacuum mose, 1-12* X 7.5*, clear        7      140      PVC, T*      66      4134      Vacuum mose, 1-12* X 7.5*, clear        8      2068      Float, Auto-dump      69      211      Out dis disconnect, male, open        10      805      Chain, lid retaining      70      1280      Elbow, voldegree        7      1206      Lid, and ring, 6*      74      221      Ouick disconnect, male, open        11      1074      Gasker, cherevery lid      72      1306A      Amifold, Mudidrecto	ITEM	PART No.	DESCRIPTION	ITEM	PART No	DESCRIPTION
1A      1199      Check value & filter      57      959      Gasket, for vacuum        2      798      Wire lie, white, 8'      58      320AB      Nut, finish, 5/16        3      1303A      Switch Plate      60      179      Bibl, 5/16 X 4'        3      227      Ught, green      61      179      Bibl, 5/16 X 4'        4      56220001      Switch, white lamp      64      926      Marifield, vacuum        6      9211      Elbow, PVC      66      430      Vacuum hose, 1-1/2' X 7.5'        7A      929A      Vac shut-off ball, Filer, vacuum inlet      664      130      Vacuum hose, 1-1/2' X 7.5'        7A      929A      Vac shut-off ball, Filer, vacuum inlet      664      130      Vacuum hose, 1-1/2' X 7.5'        7A      929A      Vac shut-off ball, Filer, vacuum inlet      664      130      Vacuum hose, 1-1/2' X 7.5'        7A      920A      Vac shut-off ball, Filer, vacuum inlet      664      130      Vacuum hose, 1-1/2' X 7.5'        7A      130A      Filer, Auto-fill      77      130A      Filer, Auto-fill        7A	1	TA-37C	Hose, Chemical Pick-up, 54"	56	15	Washer, flat, 5/16"
2A      1323      Clamp, quick, pinch opening      59      34      Washer, spill lock        3      1303A      Switch Plate      60      179      Bolt, 5/16 X 4*        3A      227      Light, recen      61      1131      Elbow, PVC        3B      228      Light, rocker on-off-on      63      8      Locknut, 1/4-20        5      2138      Switch, white lamp      64      926      Manifold, vacuum        6      921      Elbow, PVC      65      FP385      Vacuum mose, 1-1/2* X 7.75        7A      929A      Vac shut-off ball, Filter, vacuum intel      66      130      Vacuum mose, 1-1/2* X 7.75        7A      929A      Vac shut-off ball, Filter, vacuum intel      66      7130A      Filter, Mate, pen        9      230A      Nut, nyon      69      221      Oulck disconnect, male, open        10      805      Chain, II dretaining      70      1220      Elbow, Yoo dogree        112      2086      Lid, and ring, 6*      74      221      Oulck disconnect, female, open        12      1169      Basket, chemical conta	1A	1199	•	57	959	
3      1303A      Switch Plate      60      179      Bolt, 1/4-20 (3/4*)        3A      227      Light, green      61      1131      Elbow, PVC        4      5622001      Switch, rocker on off-on      63      8      Locknut, 1/4-20 (3/4*)        5      2138      Switch, withe lamp      64      926      Wanflold, vacuum hose, 1-1/2* X-1/5*        7      929A      VC, T*      66      F1395      Vacuum mose, 1/1/2* X-25, clear        7      1140      PVC, T*      66      430      Vacuum hose, 1-1/2* X-25, clear        9      230      Cord Retainer, water tight      68      216      Elbow, 90 degree        94      230A      Nut, nyion      70      1280      Elbow, 174 /r h1 /r h1        11      1074      Gasket, chemical container      76      208      Pre-iller, vacuum inlet        12      2086      Libow, 90 degree, brass, 1/4 mpt      71      1280      Elbow, 90 degree, open        13      1169      Basket, chemical container      76      208      Pre-iller, vacuum inlet        14      937      Busching, P	2	79B	Wire tie, white,8"	58	320AB	Nut, finish, 5/16
3A      227      Light red      61      1131      Elbow, PVC        3B      228      Light, red      62      5      Bolt, 1/4-20 X 3/4"        4      5622001      Switch, while Iamp      64      926      Manfold, vacuum        6      921      Elbow, PVC      65      F1385      Vacuum hose, 1-1/2" X 7.75"        7A      929A      Vac shut-off ball, Filter, vacuum inlet      66A      430      Vacuum hose, 1-1/2" X 7.75"        7A      929A      Vac shut-off ball, Filter, vacuum inlet      66A      71 310A      Float, Aut-off, ligh rep.        9      230A      Cord Retainer, water tight      68      216      Elbow, 90 degree        9A      230A      Mut, nylon      72      1306A      Manifold, fluid direction        12      2086      Lid, and ring, 6"      74      221      Ouick disconnect, male, open        13      1169      Basket, chemical container      76      208      Pro-filter, vacuum inlet        14      937      Bus, hing, PCV      71      1280      Elbow, bras, 1/4 pt        14      93      Buskt,	2A	1323	Clamp, quick, pinch opening	59	34	Washer, split lock
38      228      Light Fed      62      5      Bott, 1/4-20 X 3/4*        4      5622001      Switch, while lamp      63      8      Locknut, 1/4-20        5      2138      Switch, while lamp      64      926      Manfield, vacuum        6      921      Elbow, PVC      65      FP385      Vacuum hose, 1-1/2* X 25, clear        7      140      PVC, T*      66      430      Vacuum hose, 1-1/2* X 25, clear        7      1204      Cord Realiner, water tight      68      216      Elbow, 90 degree        94      230A      Nut, nylon      69      221      Ouick disconnect, male, open        10      B05      Cord Realiner, water tight      68      216      Elbow, 90 degree        11      1074      Gaskt, crecovery lid      72      130A      Manfield, water tight        13      1169      Baskt, chemical container      76      208      Elbow, 90 degree, open        13      1169      Baskt, chemical container      77      1280      Elbow, 90 elgree, open        14      937      Busching, PCV      77	3	1303A	Switch Plate	60	179	Bolt, 5/16 X 4"
4      522001      Switch, while lamp      63      8      Locknut, 1/4-20        5      2138      Switch, while lamp      64      926      Manifold, vacuum        6      921      Elbow, PVC      65      FP385      Vacuum hose, 1-1/2" X 7.75"        7A      929A      Vac shut off ball, Filter, vacuum inlet      66      430      Vacuum hose, 1-1/2" X 7.75"        7A      929A      Vac shut off ball, Filter, vacuum inlet      67      1310      Float, Auto-flint        9      230      Cord Retainer, water tight      68      216      Elbow, 90 degree        94      230A      Nut, nyten      70      1280      Elbow, brass, 1/4 fpt 1/14 tpt 1/1        11      1074      Gasket, recovery lid      72      1306A      Manifold, fluid direction        124      1156      Screw,      75      220      Ouick Elsconnect, male, open        13      1169      Basket, chemical container      76      2088      Pre-filter, vacuum inlet        14      937      Busket, odi ain bose      79      220      Ouick Disconnect, female, open        17	3A	227	Light, green	61	1131	Elbow, PVC
5      2138      Switch, while lamp      64      926      Manifold, vacuum moto, wigaskel, complete        6      921      Elbow, PVC      66      430      Vacuum moto, wigaskel, complete        7      1140      PVC, 'T'      66      430      Vacuum moto, wigaskel, complete        7      1208      Float, Auto-fill, Hiler, vacuum inlet      66A      1130      Vacuum hose, 1-1/2'' X 25', clear        9      230      Cord Retainer, water tight      69      221      Ouick disconnect, mela, open        10      805      Chain, Itertaining      70      130A      Float, Auto-fill, high temp.        11      1074      Gasket, recovery lid      72      1306A      Manifolf, Midd direction        12      2086      Chain, Hile relatining      76      208      Pre-filter, vacuum inlet        14      937      Bushing, PCV      77      1280      Elbow, brass, 1/4 fpt        15      1310      Filter, Auto-fill      78      219      Ouick Disconnect, mela, open        13      1060A      Hose, chain      81      211      Plug, drain hose      79      22	3B	228	Light, red	62	5	Bolt, 1/4-20 X 3/4"
6      921      Elbow, PVC      65      FP385      Vacuum motor, wigaskel, complete        7      1140      PVC, "T      66      430      Vacuum motor, wigaskel, complete        8      2068      Float, Auto-dump      66A      130      Vacuum mose, 1-1/2" X 25, clear        9      230      Cord Retainer, water tight      68      216      Elbow, 90 degree        94      230A      Nut, rylon      69      221      Ouick disconnect, male, open        10      805      Chain, lid retaining      70      120      Cuick disconnect, male, open        11      1074      Gasket, recovery lid      72      1306      Minfold, fluid direction        12      2086      Lid, and ring, 6"      77      1220      Ouick Disconnet, male, open        13      1169      Basket, chamica container      76      208      Pre-filter, vacuum inlet        71      1310      Filter, Auto-fill      78      219      Ouick Disconnet, male, open        11      1143      Spacer      77      1280      Elbow, brass, 1/4 fpt        21      1144	4	56220001	Switch, rocker on-off-on	63	8	Locknut, 1/4-20
7      1140      PVC, 'T'      66      430      Vacuum hose, 1-1/2' X 2.5 ; clear        7A      929A      Vac shut-oft ball, Filter, vacuum inlet      66A      1136      Vacuum hose, 1-1/2' X 2.5 ; clear        8      2068      Float, Auto-dump      67      1310A      Float, Auto-fill, high temp.        9A      230A      Nut, nylon      69      221      Ouick disconnect, male, open        11      1074      Gasket, recovery lid      72      130A      Hanifold, fluid direction        12      2086      Lid, and ring, 6'      74      221      Ouick disconnect, male, open        13      1169      Basket, chemical container      76      208      Pre-filter, vacuum inlet        14      937      Bushing, PCV      77      7280      Elbow, rower prime inlet, open        13      1164      Basket, chemical container      76      208      Pre-filter, vacuum inlet        13      1164      Pake, Auto-fill      78      210      Ouick Disconnet, fmale, open        14      937      Bushet, S      80      132      Hose, Noss, S, 14 fpt        13<	5	2138		64	926	Manifold, vacuum
7A      929A      Vac shut-off ball, Filter, vacuum inlet      66A      1136      Vacuum hose, 1-1/2" X 25      clear        8      2068      Float, Auto-dump      67      1310A      Float, Auto-fill, high temp.        9      230      Cord Relainer, water tight      68      216      Elbow, brass, 1/4 fpt        10      805      Chain, lid relaining      70      1280      Elbow, brass, 1/4 fpt        11      1074      Gasket, chemical container      76      208      Marifold, fuld direction        12      2086      Lid, and ring, 6"      71      1280      Elbow, brass, 1/4 fpt        13      1169      Basket, chemical container      76      208      Pre-filter, vacuum inlet        14      937      Bushing, PCV      77      1280      Elbow, brass, 1/4 fpt        15      1310      Filter, Auto-fill      78      219      Quick Disconnet, fmale, open        17      1130      Strap, velcro      80      1329      Hose, prover prime inlet, 28"        18      1060A      Hose, ford      81      211      Hug, 1.4 mpt        20<						
8      2068      Float, Auto-dump      67      1310A      Float, Auto-fill, high temp.        9      230      Cord Retainer, water tight      68      216      Elbow, 90 degree        10      805      Chain, Id retaining      70      1280      Elbow, brass, 1/4 fpt X 1/4 fpt        11      1074      Gasket, recovery lid      72      1306      Manfold, fluid direction        12      2086      Lidi, and ring, 6°      74      221      Ouick disconnect, male, open        13      1169      Basket, chemical container      76      208      Pre-filter, vacuum inlet        14      937      Bushing, PCV      77      1280      Elbow, brass, 1/4 fpt        15      1310      Filter, Auto-fill      78      219      Ouick Disconnet, male, open        14      937      Bushet, chemical container      76      208      Pre-filter, vacuum inlet        14      917      1130      Strap, velcro      81      211      Plug, drain hose        13      1060A      Hose, drain      81      211      Plug, Jrain hose      132        21 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
9      230      Cord Retainer, water tight      68      216      Elbow, 90 degree        9A      230A      Nut, nyton      69      211      Outck disconnect, male, open        10      805      Chain, lid retaining      70      120      Elbow, brass, 114 tpt X14 tpt        11      1074      Gasket, recovery lid      72      1306A      Manifold, fluid direction        12      2086      Lid, and ring, 6'      74      221      Outck disconnect, male, open        13      1169      Basket, chemical container      76      2088      Pre-filter, vacuum inlet        14      937      Bushing, PCV      77      1280      Elbow, brass, 114 tpt        15      1310      Filter, Auto-fill      78      220      Outck Disconnet, male, open        17      1130      Strap, velcro      81      211      PUg, 14 rpt        20      91      Elbow, 90 degree, brass, 1/4 mpt      81      22      1144      Puge, S/S, 1/4 mpt        21      1144      Puge, S/S, 1/4 mpt      84      201      Power cord        23      1143						
9A      230A      Nut, ryton      69      221      Outk disconnect, male, open        10      805      Chain, lid retaining      70      1280      Elbow, brass, 1/4 fpt X1 1/4 fpt        11      1074      Gasket, recovery lid      72      1306A      Mainfold, fluid direction        12      2086      Lid, and ring, 6"      74      221      Outck disconnect, male, open        13      1169      Basket, chemical container      76      2208      Pre-filter, vacuum inlet        14      937      Bushing, PCV      77      1280      Elbow, brass, 1/4 fpt        15      1310      Filter, Auto-fill      78      219      Outck Disconnet, male, open        16      1060      Plug, drain hose      79      220      Outck Disconnet, male, open        17      1130      Strap, velcro      80      1329      Hose, power prime inlet, 28°        18      1060A      Hose, drain      81      211      Plug, drain hose      82      146      Valve, auto 114/20        23      1143      Spacer      Space, from autofill valve to float, 5"      83      9						
10      805      Chain, Iid retaining      70      1280      Elbow, brass, 1/4 fpt X 1/4 fpt        11      1074      Gasket, recovery lid      72      1306A      Manifold, fluid direction        12      2086      Lid, and ring, 6"      74      221      Outick disconnect, male, open        12A      1156      Screw,      75      220      Outick disconnect, male, open        13      1169      Baskel, chemical container      76      208      Pre-filter, vacuum inlet        14      937      Bushing, PCV      77      1280      Elbow, brass, 1/4 fpt        15      1310      Filter, Auto-fill      78      210      Outick Disconnet, female, open        16      1060      Plug, drain hose      79      220      Outick Disconnet, female, open        17      130      Strap, velcro      81      211      Plug, 1/4 mpt        20      91      Elbow, 90 degree, brass, 1/4 mpt      81      221      Plug, 1/4      Plug, 1/4 mpt        21      1144      Page.cr      81      211      Plug, 1/4 mpt        22      1144						
11      1074      Gasket, recovery lid      72      1306A      Manifold, fluid direction        12      2086      Lid, and ring, 6"      74      221      Oulek disconnect, male, open        13      1169      Basket, chemical container      76      2088      Pre-filter, vacuum inlet        14      937      Bushing, PCV      77      1280      Elbow, brass, 1/4 fpt        15      1310      Filter, Auto-fill      78      219      Quick Disconnect, male, open        17      1130      Strap, velcro      80      1329      Hose, power prime inlet, 28"        18      1060A      Hose, drain      80      1329      Hose, nore regulator        21      1141      Washer, S/S      81      211      Pile, 1.4 mpt        22      1146      Pipe, S/S, 1/4 mpt both ends      84      2019      Power cord        23      1143      Spacer      85      946      Hose, 1/2" X 10"        24      45      Quick Disconnect male, 1/4 pt      86      Lock nut, 1/4-20      X 1"        26A      1307      Valve, auto fill, with metering barb<						
12      2086      Lid, and ring, 6"      74      221      Ouick disconnect, male, open        12A      1156      Screw,      75      220      Quick disconnect, male, open        13      1169      Basket, chemical container      76      2088      Pre-filter, vacuum inlet        14      937      Bushing, PCV      77      1280      Elbow, brass, 1/4 fpt        15      1310      Filter, Auto-fill      78      219      Ouick Disconnet, female, open        16      1060      Plug, drain hose      79      220      Quick Disconnet, female, open        17      1130      Strap, velcro      80      1329      Hose, power prime inlet, 28"        18      1060A      Hose, drain      81      211      Plug, 1.4 mpt        20      1144      Walve, parsoare regulator      83      2019      Power cord        23      1143      Spacer      85      946      Hose, 1/2 * 10°        24      45      Quick Disconnect male, 1/4 pt      86      8      Lock nut, 1/4-20        25      1308      Hose, form autofill valve tofloat, 5"						
12A    1156    Screw,    75    220    Quick disconnect, female, open      13    1169    Basket, chemical container    76    2088    Pre-filler, vacuum inlet      14    937    Bushing, PCV    77    1280    Elbow, vacuum inlet      15    1310    Filter, Auto-fill    78    219    Quick Disconnect, male, open      16    1060    Plug, drain hose    79    220    Quick Disconnet, female, open      17    1130    Strap, velcro    80    1329    Hose, porer prime inlet, 28°      18    1060A    Hose, drain    81    211    Plug, S/S, 1/4 mpt      21    1144    Washer, S/S    83    92A    Nipple, S/S, 1/4 mpt      22    1143    Spacer    84    2019    Power cord      23    1143    Spacer    85    84    Bolt, 1/4-20    X1*      24    45    Quick disconnect    89    45    Bolt, 1/4-20    X1*      26A    1184    Hose connector    89    45    Bracket, heater mount      27    1308    Tubing, 1/2* ID X 5*<			5			
13      1169      Basket, chemical container      76      2088      Pre-filter, vacuum inlet        14      937      Bushing, PCV      77      1280      Elbow, Inss, 1/4 fpt        15      1310      Filter, Auto-fill      78      219      Quick Disconnect, male, open        16      1060      Plug, drain hose      79      220      Quick Disconnet, female, open        17      1130      Strap, velcro      80      1329      Hose, power prime inlet, 28"        18      1060A      Hose, drain      81      211      Plug, 1.4 mpt        20      91      Elbow, 90 degree, brass, 1/4 mpt      83      92A      Nipple, S/S, 1/4 mpt        21      1141      Washer, S/S      83      92A      Nipple, S/S, 1/4 mpt        22      1146      Pipe, S/S, 1/4 mpt both ends      84      201      Power cord        23      1143      Spacer      81      211      Power cord      85        24      5      Quick Disconnect male, 1/4 pt      86      8      Lock nut, 1/4-20        25      1308      Tubing, 1/2" ID X 5"						
14      937      Bushing, PCV      77      1280      Elbow, brass, 1/4 fpt        15      1310      Filter, Auto-fill      78      219      Outck Disconnet, male, open        16      1060      Plug, drain hose      79      220      Outck Disconnet, male, open        17      1130      Strap, velcro      80      1329      Hose, power prime inlet, 28°        18      1060A      Hose, drain      81      211      Plug, 1.4 mpt        20      91      Elbow, 90 degree, brass, 1/4 mpt      82      1164      Valve, stressure regulator        21      1141      Washer, S/S      83      92A      Nipple, S/S, 1/4 mpt        22      1146      Pipe, S/S, 1/4 mpt both ends      84      2019      Power cord        23      1143      Spacer      85      946      Hose, 1/2* X 10°        24      45      Quick Disconnect male, 1/4 pt      86      8      Lock nut, 1/4-20        25      1308      Tubing, 1/2* ID X 5°      90      399      Thermostat switch        26      1307      Valve, auto fill, valve mounting <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
15    1310    Filter, Auto-fill    78    219    Quick Disconnet, male, open      16    1060    Plug, drain hose    79    220    Quick Disconnet, female, open      17    1130    Strap, velcro    80    1329    Hose, power prime inlet, 28"      18    1060A    Hose, drain    81    211    Plug, 1.4 mpt      20    91    Elbow, 90 degree, brass, 1/4 mpt    82    1164    Valve, pressure regulator      21    1141    Washer, S/S    84    2019    Power cord      23    1133    Spacer    85    946    Hose, 1/2" X 10"      24    45    Quick Disconnet male, 1/4 pt    86    8    Lock nut, 1/4-20      25    1308    Hose, oron autofill valve to float, 5"    87    233    Washer, mylon, black      26    1307    Valve, auto fill, with metering barb    84    Bolt, 1/4-20 X 1"      26A    1184    Hose connector    89    455    Bracket, heater mount      27    1308    Tubing, 1/2" ID X 5"    90    399    Thermostat switch      28    1400    Clam						
16      1060      Plug, drain hose      79      220      Quick Disconnet, female, open        17      1130      Strap, veloro      80      1329      Hose, power prime inlet, 28"        18      1060A      Hose, drain      81      211      Plug, 1.4 mpt        20      91      Elbow, 90 degree, brass, 1/4 mpt      81      211      Valve, pressure regulator        21      1141      Washer, S/S      83      92A      Nipple, S/S, 1/4 mpt        22      1146      Pipe, S/S, 1/4 mpt both ends      84      2019      Power cord        23      1143      Spacer      85      946      Hose, 1/2" X 10"        24      45      Quick Disconnect male, 1/4 pt      85      84      Bolt, 1/4-20 X 1"        26      1307      Valve, auto fill, with metering barb      88      4      Bolt, 1/4-20 X 1"        26      1307      Valve, auto fill valve mounting      90      399      Thermostat switch        27      1308      Tubing, 1/2" hose, mpt      90      392      Hose, power prime outlet, 240V        28      1320      Barcket, A			8			
17    1130    Strap, velcro    80    1329    Hose, power prime inlet, 28°      18    1060A    Hose, drain    81    211    Plug, 1.4 mpt      20    91    Elbow, 90 degree, brass, 1/4 mpt    82    1164    Valve, pressure regulator      21    1141    Washer, 5/S    83    92A    Nipple, S/S, 1/4 mpt      22    1146    Pipe, S/S, 1/4 mpt both ends    84    2019    Power cord      23    1143    Spacer    85    946    Hose, 1/2" X 10"      24    45    Ouick Disconnect male, 1/4 pt    86    8    Lock nut, 1/4-20      25    1308    Hose, from autofill valve to float, 5"    87    233    Washer, nylon, black      26    1307    Valve, auto fill, with metering barb    84    Bolt, 1/4-20 X 1"    84      26    1308    Tubing, 1/2" 1D X 5"    90    399    Thermostat switch      27    1308    Tubing, 1/2" hose, mpt    92    FP420    Hose, heater to outlet      30    1320    Brackef, Auto-fill valve mounting    FP371A    Heat Exchanger, complete, 240V      31 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
18      1060A      Hose, drain      81      211      Plug, 1.4 mpt        20      91      Elbow, 90 degree, brass, 1/4 mpt      82      1164      Valve, pressure regulator        21      1141      Washer, S/S      83      92A      Nipple, S/S, 1/4 mpt        23      1143      Spacer      85      946      Hose, 1/2" X 10"        24      45      Ouick Disconnect male, 1/4 pt      86      8      Lock nut, 1/4-20        25      1308      Hose, from autofill valve to float, 5"      87      233      Washer, nylon, black        26      1307      Valve, auto fill, with metering barb      88      4      Bott, 1/4-20 X 1"        26A      1184      Hose connector      89      455      Bracket, heater mount        27      1308      Tubing, 1/2" ID X 5"      90      399      Thermostat switch        28      1400      Clamp, hose, quick disconnect      91      76      Hose Clamp, 2-3/4"        29      1189      Hose earmp, 2-1/4"      92      FP420      Hose, Pump to Gauge, complete, 240V        31      156      Hose c			0			
20      91      Elbow, 90 degree, brass, 1/4 mpt      82      1164      Valve, pressure regulator        21      1141      Washer, S/S      83      92A      Nipple, S/S, 1/4 mpt        22      1146      Pipe, S/S, 1/4 mpt both ends      84      2019      Power cord        23      1143      Spacer      85      946      Hose, 1/2" X 10"        24      45      Quick Disconnect male, 1/4 pt      86      8      Lock nut, 1/4-20        25      1308      Hose, from autofill valve to float, 5"      87      233      Washer, nylon, black        26      1307      Valve, auto fill, with metering barb      88      4      Bolt, 1/4-20 X 1"        26A      1184      Hose connector      89      455      Bracket, heater mount        27      1308      Tubing, 1/2" ID X 5"      90      399      Thermostat switch        28      1400      Clamp, hose, quick disconnect      91      76      Hose Clamp, 2-3/4"        29      1189      Hose Barb, 1/2" hose, mpt      92      FP420      Hose, heater to outlet        30      1320      <			•			
21    1141    Washer, S/S    83    92A    Nipple, S/S, 1/4 mpt      22    1146    Pipe, S/S, 1/4 mpt both ends    84    2019    Power cord      23    1143    Spacer    85    946    Hose, 1/2* X 10"      24    45    Quick Disconnect male, 1/4 pt    86    8    Lock nut, 1/4-20      25    1308    Hose, from autofill valve to float, 5"    87    233    Washer, nylon, black      26    1307    Valve, auto fill, with metering barb    84    Bolt, 1/4-20 X 1"      26A    1184    Hose connector    89    455    Bracket, heater mount      27    1308    Tubing, 1/2" ID X 5"    90    399    Thermostat switch      28    1400    Clamp, hose, quick disconnect    91    76    Hose Clamp, 2-3/4"      29    1189    Hose clamp, 2-1/4"    95    928    Louver, 3", includes screws      32    907    Hose Barb, 1-1/2" hose    98    1278    Hose, heater to outlet      33    1137    Adaptor, ABS, 1-1/2"    99    1329    Hose assembly, 26", bypass      34    HKCR-						
22    1146    Pipe, S/S, 1/4 mpt both ends    84    2019    Power cord      23    1143    Spacer    85    946    Hose, 1/2" X 10"      24    45    Quick Disconnect male, 1/4 pt    86    8    Lock nut, 1/4-20      25    1308    Hose, from autofill valve to float, 5"    87    233    Washer, nylon, black      26    1307    Valve, auto fill, with metering barb    84    8    4    Bolt, 1/4-20 X 1"      26A    1184    Hose connector    90    399    Thermostat switch      27    1308    Tubing, 1/2" ID X 5"    90    399    Thermostat switch      28    1400    Clamp, hose, quick disconnect    91    76    Hose Clamp, 2-3/4"      29    1189    Hose Barb, 1-1/2" hose    92    FP420    Hose, Pump to Gauge, complete      31    156    Hose clamp, 2-1/4"    92    FP420    Hose, heater to outlet      33    1137    Adaptor, ABS, 1-1/2"    98    1278    Hose, heater to outlet      33    1137    Adaptor, ABS, 1-1/2"    92    Hose, Assembly, 26", bypass			÷ .			
23      1143      Spacer      85      946      Hose, 1/2" X 10"        24      45      Quick Disconnect male, 1/4 pt      86      8      Lock nut, 1/4-20        25      1308      Hose, from autofill valve to float, 5"      87      233      Washer, nylon, black        26      1307      Valve, auto fill, with metering barb      84      4      Bolt, 1/4-20 X 1"        26A      1184      Hose connector      90      399      Thermostat switch        27      1308      Tubing, 1/2" ID X 5"      90      399      Thermostat switch        29      1189      Hose edamp, 2-1/4"      90      396      FP371A      Heat Exchanger, complete, 240V        31      156      Hose arb, 1-1/2" hose, mpt      92      FP420      Hose, heater to outlet      99        33      1137      Adaptor, ABS, 1-1/2"      99      1278      Hose, A88* Mose, for bypass        34      HKCR-1      Holding Tank, white      100      925      Hose, 3/8* X 45* pump to heater        35      VKCR-1      Recovery Tank, white      101      141      Coupling, 1/4 fpt both ends						
24      45      Ouick Disconnect male, 1/4 pt      86      8      Lock nut, 1/4-20        25      1308      Hose, from autofill valve to float, 5"      87      233      Washer, nylon, black        26      1307      Valve, auto fill, with metering barb      88      4      Bolt, 1/4-20 X 1"        26A      1184      Hose connector      89      455      Bracket, heater mount        27      1308      Tubing, 1/2" ID X 5"      90      399      Thermostat switch        28      1400      Clamp, hose, quick disconnect      91      76      Hose Clamp, 2-3/4"        29      1189      Hose Barb, 1/2" hose, mpt      92      FP420      Hose, Pump to Gauge, complete, 240V        31      156      Hose clamp, 2-1/4"      95      928      Louver, 3", includes screws        32      907      Hose Barb, 1-1/2" hose      98      1278      Hose, heater to outlet        33      1137      Adaptor, ABS, 1-1/2"      99      1329      Hose clamp, beater        35      VKCR-1      Recovery Tank, white      100      125      "T", brass/ 1/4 npt        36 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
25      1308      Hose, from autofill valve to float, 5"      87      233      Washer, nylon, black        26      1307      Valve, auto fill, with metering barb      88      4      Bolt, 1/4-20 X 1"        26A      1184      Hose connector      89      455      Bracket, heater mount        27      1308      Tubing, 1/2" ID X 5"      90      399      Thermostal switch        28      1400      Clamp, hose, quick disconnect      91      76      Hose Clamp, 2-3/4"        29      1189      Hose Barb, 1/2" hose, mpt      92      FP420      Hose, Pump to Gauge, complete        30      1320      Bracket, Auto-fill valve mounting      93      FP371A      Heat Exchanger, complete, 240V        31      156      Hose clamp, 2-1/4"      95      928      Louver, 3", includes screws        32      907      Hose Barb, 1-1/2" hose      98      1278      Hose, heater to outlet        33      1137      Adaptor, ABS, 1-1/2"      99      1329      Hose Assembly, 26", bypass        34      HKCR-1      Holding Tank, white      100      925      Hose, 3/8" X 45" pump to heater <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
26      1307      Valve, auto fill, with metering barb      88      4      Bolt, 1/4-20 X 1"        26A      1184      Hose connector      89      455      Bracket, heater mount        27      1308      Tubing, 1/2" ID X 5"      90      399      Thermostat switch        28      1400      Clamp, hose, quick disconnect      91      76      Hose Clamp, 2-3/4"        29      1189      Hose Barb, 1/2" hose, mpt      92      FP420      Hose, Pump to Gauge, complete        30      1320      Bracket, Auto-fill valve mounting      93      FP371A      Heat Exchanger, complete, 240V        31      156      Hose clamp, 2-1/4"      95      928      Louver, 3", includes screws        32      907      Hose Barb, 1-1/2" hose      98      1278      Hose, heater to outlet        33      1137      Adaptor, ABS, 1-1/2"      99      1329      Hose Assembly, 26", bypass        34      HKCR-1      Holding Tank, white      101      141      Coupling, 1/4 fpt both ends        36      FP414      Reel, with hoses, complete      102      152      "T", brass/ 1/4 npt						
26A      1184      Hose connector      89      455      Bracket, heater mount        27      1308      Tubing, 1/2" ID X 5"      90      399      Thermostat switch        28      1400      Clamp, hose, quick disconnect      91      76      Hose Clamp, 2-3/4"        29      1189      Hose Barb, 1/2" hose, mpt      92      FP420      Hose, Pump to Gauge, complete        30      1320      Bracket, Auto-fill valve mounting      93      FP371A      Heat Exchanger, complete, 240V        31      156      Hose clamp, 2-1/4"      95      928      Louver, 3", includes screws        32      907      Hose Barb, 1-1/2" hose      98      1278      Hose, heater to outlet        33      1137      Adaptor, ABS, 1-1/2"      99      1329      Hose Assembly, 26", bypass        34      HKCR-1      Holding Tank, white      100      925      Hose, 3/8" X 45" pump to heater        35      VKCR-1      Recovery Tank, white      101      141      Coupling, 1/4 fpt both ends        36      FP414      Reel, with hoses, complete      102      152      T", brass/1/4 mpt						
271308Tubing, 1/2" ID X 5"90399Thermostat switch281400Clamp, hose, quick disconnect9176Hose Clamp, 2-3/4"291189Hose Barb, 1/2" hose, mpt92FP420Hose, Pump to Gauge, complete301320Bracket, Auto-fill valve mounting93FP371AHeat Exchanger, complete, 240V31156Hose clamp, 2-1/4"95928Louver, 3", includes screws32907Hose Barb, 1-1/2" hose981278Hose, heater to outlet331137Adaptor, ABS, 1-1/2"991329Hose Assembly, 26", bypass34HKCR-1Holding Tank, white100925Hose, 3/8" X 45" pump to heater35VKCR-1Recovery Tank, white101141Coupling, 1/4 fpt both ends36FP414Reel, with hoses, complete102152"T", brass/ 1/4 npt371309Hose, power prime outlet, 3/8" X 21.25"1041159APump & motor, complete, 240V38166Hose clamp105230Strain relief391308Tubing, 1/2" ID X 10"105A2019Power cord, 25 ft.411115Elbow, 90 deg, 3/8" hose X 1/4 mpt1062067BPump, auto-dump, 240V42290Washer, fat, S/S, 1/4"ID X 1" OD1081325Elbow, auto-dump in441350Bracket, for auto fill float1104405ARelay, 25 Amp, 120-240V451349Spacer, bushing110A			•			
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38      166      Hose clamp      105      230      Strain relief        39      1308      Tubing, 1/2" ID X 10"      105A      2019      Power cord, 25 ft.        41      1115      Elbow, 90 deg, 3/8" hose X 1/4 mpt      106      2067B      Pump, auto-dump, 240V        42      290      Washer, rubber, 70 Durometer      107      1324      Hose Connector, dump pump out        43      1345      Washer, flat, S/S, 1/4"ID X 1" OD      108      1325      Elbow, auto-dump in        44      1350      Bracket, for auto fill float      110      4405A      Relay, 25 Amp, 120-240V        45      1349      Spacer, bushing      110A      2025      Heat sink plate        46      1113      Elbow, 90 deg, 1/2" hose X 1/2 mpt      110B      1579      Rectifier, bridge        47      92B      Nipple, PVC, 1/2 npt      111      1164      Valve, power prime        48      207A      Filter, Pump inlet      111A      1299      Pedal, power prime        49      1402      Clamp, quick disconnect, small      112      FP415      Hose, manifold to outlet, Hi Press.		FP414	Reel, with hoses, complete	102	152	"T", brass/ 1/4 npt
39    1308    Tubing, 1/2" ID X 10"    105A    2019    Power cord, 25 ft.      41    1115    Elbow, 90 deg, 3/8" hose X 1/4 mpt    106    2067B    Pump, auto-dump, 240V      42    290    Washer, rubber, 70 Durometer    107    1324    Hose Connector, dump pump out      43    1345    Washer, flat, S/S, 1/4"ID X 1" OD    108    1325    Elbow, auto-dump, 120-240V      44    1350    Bracket, for auto fill float    110    4405A    Relay, 25 Amp, 120-240V      45    1349    Spacer, bushing    110A    2025    Heat sink plate      46    1113    Elbow, 90 deg, 1/2" hose X 1/2 mpt    110B    1579    Rectifier, bridge      47    92B    Nipple, PVC, 1/2 npt    111    1164    Valve, power prime      48    207A    Filter, Pump inlet    111A    1299    Pedal, power prime      49    1402    Clamp, quick disconnect, small    112    FP415    Hose, manifold to outlet, Hi Press.      51    CWKC-BLK Cord Wrap, black    117    216    Elbow, 90 degree, brass						Pump & motor, complete, 240V
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51 CWKC-BLK Cord Wrap, black 117 216 Elbow, 90 degree, brass						
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grease
Reel complete, with hoses, 25'
Hose, vacuum with cuffs, 25'
Hose, solution, complete, 25'
Hose, solution & vacuum, complete,
no reel, 25'

ITEM PART No. DESCRIPTION

Axle cap

Axle, 1/2" X 21"

Screw, 6-32 X 2"

Pump, 300-500 psi

Brake, for castor

Clip Holder, for hose

FP416 Hose assy, low press. outltet

Elbow, 90 dearee

Gauge, psi pressure

Screw, 8-32 X 5/8"

**MISCELLANEOUS PARTS** 

grease

Gauge, 500 psi pressure

Pump complete with cam & bearing

Motor, 1.5 HP, for 1200 psi pump

Metering tip replacement kit Heat repair kit, includes cutout,

bimetallic switch, & heat sink

Quick disconnect, male

Locknut, 6-32

Guard, fan

130 BKCR BLK Base compartment, black

Castor, 4"

Plate, pump mounting

Fan, cooling, 100CFM, 240V

Elbow, 90 degree, pump outlet

Elbow, 90 degree, pump inlet

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1159B

1159

953A

FP256

FP350

919E

FP414

FP350C

135A

27A

1105

1158

16

2B1

2015

2018

108A

950F

1081

905

905A

1413

219

91

1165

908A

21C

951B

1043A Gasket

Latch

## **SPECIFICATIONS:**

Rotomolded Body:	Lifetime Warranty
Vacuum:	7.2" 3-stage
VAC Shutoff:	Ball Float
Pump:	Positive displacement, fully adjustable 0-500 psi
	& Positive displacement, 1200 psi, 2.2 gpm
Waterlift:	140″
Heat:	Instant to 212 °F
Heater:	2000 Watts
Wand:	Stainless steel, single bend, twin tip
Weight:	170 lbs.
Dimensions:	39″H x 21″W x 36″ L

# KC-1200 PRO 240V DUAL SURFACE EXTRACTOR

**NOTES:** 



208-772-0573 • 800-257-7982 • FAX: 208-772-0577 Coeur d'Alene, Idaho VISIT US AT: http://www.usproducts.com