SHURflo Water Boost Diagram Installation and Operation

WARNING: "Risk of electrical shock." The pump is supplied with a grounding connector and grounding-type attachment plug. To reduce the risk of electrical shock, be certain that it is connected only to a properly grounded, grounding-type receptacle. To prevent electrical shock, disconnect power before initiating any work. In the case of pump failure, the motor housing and/or the pumped fluid may carry high voltage to components normally considered safe.

WARNING: Never pressurize the accumulator tank higher than its maximum operating pressure of 117 psi [8 bar] limit. Never expose the tank to higher than 120ºF [49ºC] ambient temperature environment.

CAUTION: DO NOT adjust the pump pressure switch setting. Switch setting will not significantly alter flow rate or pressure. Improper adjustment may cause severe overload or premature failure, not covered under warranty.

CAUTION: DO NOT operate the pump at pressures, which cause the motor to exceed the amperes rating indicated on the nameplate. The pump is equipped with thermal breakers to interrupt operation due to excessive heat. Once the temperature of the motor is within proper limits it will automatically reset, and the pump will start operation without warning. The motor is equipped with an integral non-serviceable fuse. Pumps which have an "open" fuse are not covered under the limited warranty.

ACCUMULATOR STORAGE/FLOW-RATES

SHURflo Water Boost Systems are for applications when low, fluctuating, or no water pressure exists. The pump and accumulator maintain consistent water pressure to a source (for a given duration) as long as incoming water is sufficient. Depending upon the Water Boost System model, support of up to 4 non-carbonated valves in moderate volume accounts is achievable. The Water Boost Systems may be used to supply water to a carbonator for back-up, during short periods of insufficient water pressure. The pump pressurizes the accumulator to 90 psi. [6 bar]. Consult the flowchart for projected length of flow and/or back-up. The pump is NSF, UL and C-UL listed.

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WARNING: DO NOT pre-charge the accumulator with CO_2. Use clean, dry air or nitrogen.

CAUTION: a qualified electrician should perform all electrical outlet (receptacle) wiring connections in accordance with all local electrical codes. Circuit protection is dependent on the individual application requirements. Failure to provide proper circuit protection may result in a motor failure, which is not covered under warranty.

1. The water boost system comes equipped with a 6 foot power cord. Therefore, must be installed with-in 6 feet of an electrical outlet.
2. The water booster system is to be installed between the incoming water source and non-carbonated valve(s) and/or carbonator (see installation diagram on the following page).
3. Turn off city water supply before installation.
4. It is recommended that a SHURflo 65 psi water pressure reducer valve be installed at the inlet of the carbonator pump and non-carbonated valves.
5. Always install the water boost system prior to the filtration system.
6. Secure water booster to a solid surface. It may be mounted vertical or horizontal near the city water entry; (Be certain the pre-charge valve is accessible for checking/filling the tank).
7. Use NSF listed high pressure braided 3/8" ID [9.5 mm] or ½" [12.7 mm] tubing to connect the inlet/outlet barbed fittings. Secured all tubing connections with SS, step-less Oetiker® clamps. Cable-tie all tubing securely to prevent kinks or sags that can inhibit performance or cause damage to the pump.
8. Remove accumulator air fitting cap and pre-charge the accumulator tank with 50 PSI of clean air, or nitrogen.
9. Check all clamps and connection assuring they are secure and the Oetiker® clamps are properly crimped.
10. Turn ON incoming water supply.
11. Plug in Water Boost System.
12. Plug in the carbonator pump.
13. Open the dispenser valves and purge air/water from tubing/accumulator. Close the dispenser valve(s) and let the pump fill the accumulator. The pump may not obtain shut-off pressure if excessive air is trapped within the system. Repeat this step 3-5 times as necessary, before taste testing.

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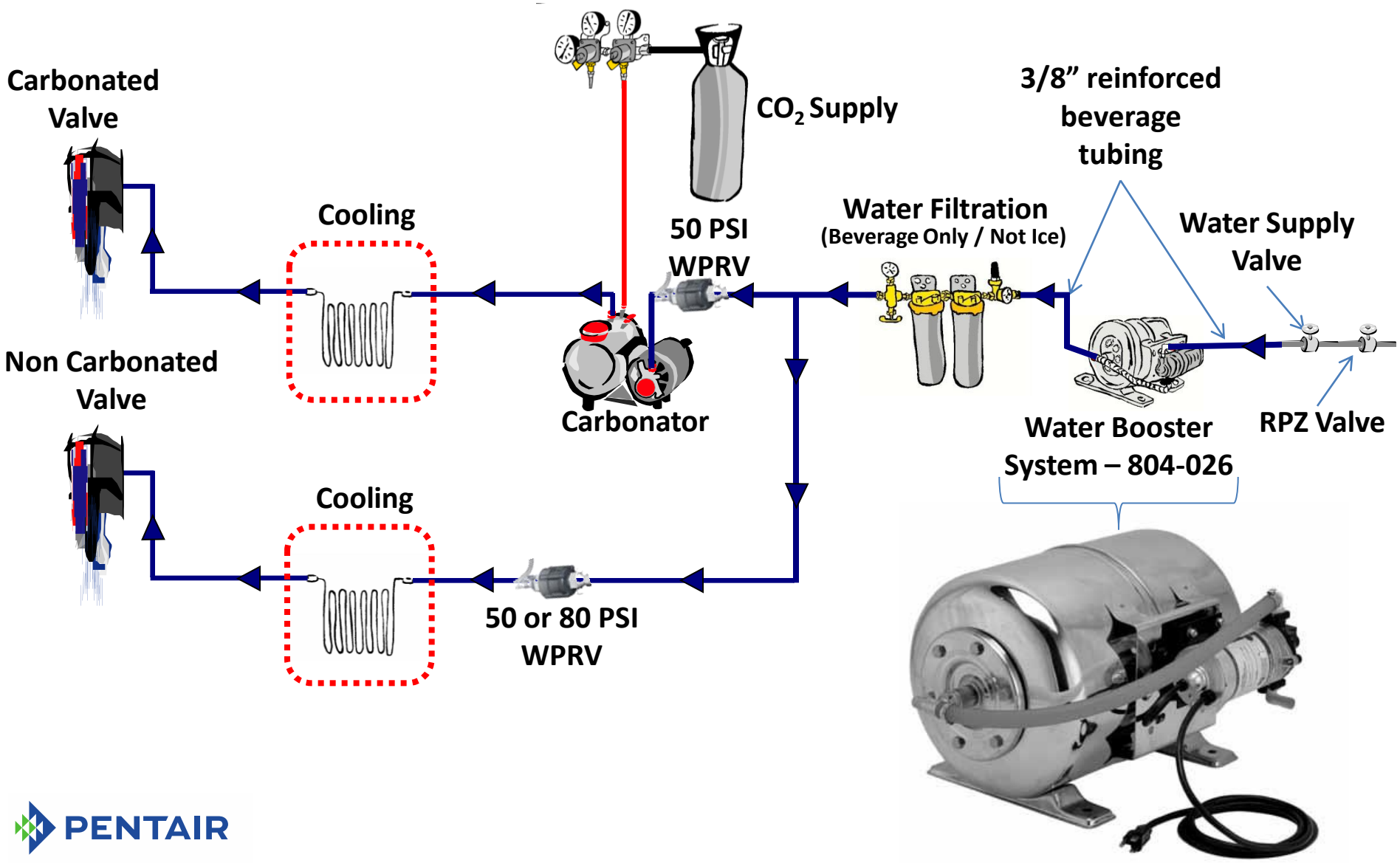
SHURflo Water Boost Installation Diagram



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