

**SUGGESTIONS FOR WRITING SPECIFICATIONS ON THE
ADVANCE AquaPLUS™ AXP™**

GENERAL	The machine shall be of the type generally described as an automatic, battery carpet extractor or equal. It shall apply solution, scrub and vacuum a 24 in (61 cm) path in a single pass. The vacuum unit shall be adaptable for use with hose, wand and tools for extraction use independent of the unit. The machine shall be CRI SOA approved for Deep Cleaning Extractors (not CRI SOA for Systems) for all extraction modes.
SOLUTION TANK	Shall have minimum 20 gallon (75.7 L). Shall be constructed of a molded polyethylene material with rear solution fill opening. Shall have solution level sight/drain tube.
RECOVERY TANK	Shall have minimum 16 gallon (60.6 L). Shall be rotomolded with an 8 year warranty. Tank shall have a 2 in (5 cm) diameter drain hose with soft, squeezable section to permit manual control of flow for emptying. The lid shall be transparent to view water recovery. Tank shall be hinged to allow easy access to batteries and vacuum motors for quick and easy maintenance.
SOLUTION PUMP	Shall be diaphragm-type demand. Controlled by touch pad on control panel. Pump shall be minimum 100 psi rated.
SOLUTION CONTROL	Solution flow shall be managed with an electric pump that will dispense solution at 2 different flow rates: 0.25 gal/min (0.95 L/min), and 0.81 gal/min (3.1 L/min). These flow rates will be automatically linked to extraction modes. Soft touch buttons on the control panel change modes and flow rates as well as extraction speed will automatically adjust.
SCRUB BRUSH	Shall have dual, 24 inch (61 cm) counter rotating brushes that require no tools to remove. Shall have optional anti microbial brushes available.
VACUUM SHOES	Shall have dual 13.5 in (34.3 cm) pivoting laminar flow shoes. Shall be controlled by gas shocks that apply 45 lb (20 kg) of down pressure. Shall automatically lift if machine is in transport or pre spray mode.
VACUUM MOTORS	Shall be dual three-stage, ¾ hp, 24 Volt continuous-duty motor. Shall have an optional electronic float shut off switch available.
BRUSH MOTOR	Shall be dual 0.5 hp (375 W) motors at 900 rpm.
DRIVE SYSTEM	Shall have a 0.4 hp (300 W) variable speed forward and reverse transaxle drive system.
HANDLE/CONTROLS	Shall have a paddle control system that allow multiple hand/wrist location for operating and a soft compound that overlays the handlebar for maximum control without potential for pinching fingers. Potentiometer shall be located on the paddle for easy reach with thumb. Other controls include: <ul style="list-style-type: none">• Master key switch• Solution on/off soft touch button / Pre-Spray mode soft touch button• Vacuum on/off soft touch button• AXP™ on/off soft touch button• Extraction mode on/off soft touch buttons
APPROVALS	Shall have certification from ETL, CE and CRI
ONBOARD DETERGENT SYSTEM	Shall have an optional onboard detergent dispensing system (<i>Smart Solutions™</i> AXP) that allows the use of any manufacturer's detergent, operates at all available flow rates, and allows the quick interchange of multiple detergent cartridges for varied cleaning applications.

POWER SOURCE Shall have 24 V, 250 Ah batteries standard, providing a minimum 2 hours of run time.

DIMENSIONS Machine shall not exceed 56 in (142.2 cm) length; 27 in (68.6 cm) width; 43.5 in (110.5 cm) height.

MACHINE WEIGHT 650 lb, 370 lb (without batteries)

THE MACHINE SHALL BE AN ADVANCE *AquaPLUS™ AXP™*