



APOLLO BATHING SYSTEMS CERTIFICATIONS:



Quality: Apollo's business operations including manufacturing, engineering, technical support and customer service are certified to the International Organization for Standardization (ISO) 9001:2015 standard for quality management systems (Certificate number: US2395). This standard specifies requirements for a quality management system and a process for annual, independent verification. The requirements confirm an organization's ability to consistently provide product that meets customer and applicable statutory and regulatory requirements, and processes to enhance customer satisfaction through the effective application of the quality system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

Electrical: Apollo's current bathing systems are certified to meet or exceed UL 60601 through Intertek. This medical equipment electrical standard confirms the electrical safety of the unit. It is necessary to be compliant to this standard, if the unit is being placed in a medical institution such as a hospital or a nursing home. We are sometimes asked about UL 1795 which covers residential and commercial hydro massage baths. Apollo designs to UL 60601 as UL 1795 does not certify baths for use in medical institutions.

Plumbing: Apollo's current bathing systems are designed and have been tested to meet or exceed the International Association of Plumbing and Mechanical Officials (IAPMO) Guide Criteria (IGC) 260. This standard prescribes requirements for safety, performance and materials for whirlpool baths with accessibility doors and optional reservoir tanks. IAPMO is accredited by the U.S. American National Standards Institute (ANSI) as a standards development organization. The standard includes American Society of Mechanical Engineers (ASME) A112.19.7, ASME A112.19.8, ASME A112.19.15, American National Standards Institute (ANSI) Z124.1.2 and American Society of Sanitation Engineers (ASSE) 1014 and 1016.

The following is a brief summary of those standards and their importance:

ASME A112.19.7: This standard establishes performance criteria for whirlpool and air-jetted bathing appliances including maximum water retention in the plumbing systems. It is important that stagnant water drains properly from the bathing system when not in use. Meeting and exceeding this standard means that the unit drains properly, lowering the risk of microorganism growth when not in use.

ASME A112.19.8: This standard dictates safety within the suction assembly. An improperly designed water circulation system can hold a bather under water and create a risk of drowning. Passing this standard confirms that the suction assembly will not trap a person underwater.



ASME A112.19.15: This Standard establishes material, mechanical, electrical, marking, and testing requirements for bathtubs/whirlpool bathtubs with doors that are made water tight by the use of a pressure seal. It addresses the functional performance and physical characteristics for a pressure sealed door of a bathtub/whirlpool bathtub. It specifies criteria for reliability of the door seal operation over time (20,000 cycles) and the door hinge strength. By passing this standard, the design integrity is verified for longevity and reliability.

ASSE 1014: This standard establishes performance requirements for backflow prevention for hand-held shower wands. These devices provide protection against siphonage and back pressure in the hand-held shower and are critical to prevent contamination of the fresh water supply from the used water in the tub.

ASSE 1016: This standard dictates performance requirements of the thermostatic mixing valve for the prevention of scalding. The mixing valve is designed to regulate incoming water temperature below the maximum set temperature under all supply line variations of temperature and pressure. By passing this standard, the unit design is verified to achieve accurate water temperature control.

ANSI Z124.1.2: This standard sets performance requirements for bathing equipment including the ability to continually clean the equipment and the fire retardancy of the unit.