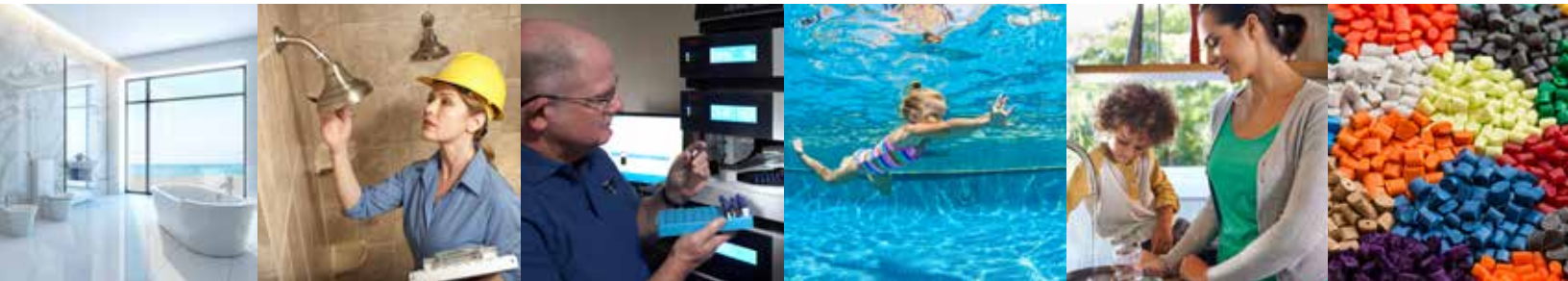




# Your Certification Solution



# IAPMO R&T: CERTIFICATION SOLUTION

IAPMO R&T is a manufacturer's best choice for certification of plumbing and mechanical products for markets in the United States, Canada and Mexico.



IAPMO R&T understands the importance of "speed to market" and works with you on turnaround times to meet almost any deadline, but without compromising quality of service nor integrity of the listing to do so. Our wide range of certification categories — plumbing, mechanical, solar, swimming pool, fuel gas, food equipment, radiant, drinking water systems and others, along with the global coverage of Canada and Mexico markets — makes IAPMO R&T a true one-stop shop for all of your product certification needs.



## AFFORDABLE

IAPMO R&T offers a fair price for a listing that delivers on all of its promises. IAPMO R&T's fees are directly tied to the services provided and reflect the high quality of our service. Further, in addition to certifying to the applicable performance standards, we evaluate your product to the applicable Uniform Codes at no additional cost.



## CREDIBLE

No third-party certification body in North America has been listing plumbing and mechanical products longer than IAPMO R&T. A familiar cUPC® mark is what you will need to bring your products to the United States and Canada, and we also offer NOM certification for the Mexican market.



## TRUSTED

Building officials look for IAPMO R&T's marks of conformity as a benchmark for acceptable products in their jurisdictions; they promote confidence, open doors and eliminate doubt.



## ACCREDITED

ANSI



SCC



ema



## MULTILINGUAL

Our trained staff is multicultural and capable of answering all of your questions in multiple languages. Our menu of certification services and expert customer service is available on five continents.

With IAPMO R&T, manufacturers gain an attentive, service-oriented partner for gaining acceptance of their products to the United States, Mexico and Canadian markets.

Before you choose a third-party certification body, we ask that you give us a call and discover how IAPMO R&T can provide the best customer service and value for your certification dollar. We understand the importance of long-term relationships, as many industry leading manufacturers have seen the value in the IAPMO R&T marks of conformity for decades.

# PLUMBING

## U.S. and Canada

Being the preferred listing agency of manufacturers and building officials, the IAPMO R&T brand and its reputation for quality are unparalleled in the industry. IAPMO R&T Marks of Conformity are widely recognized and represent the highest degree of integrity showing compliance with established codes and standards.

To date, IAPMO R&T has listed thousands of plumbing products. Examples include, but are not limited to:

- Plumbing Fixture Fittings such as Faucets, Showerheads and Flexible Connectors
- Bathtubs
- Backflow Preventers
- Copper Tubing and Fittings
- Precast Concrete Products
- Toilets
- Pipes and Fittings
- Sinks

These products are evaluated to not only the applicable North American product standards, but also for their compliance to:

- Uniform Plumbing Code (UPC®) — IAPMO R&T is the only agency offering a true UPC® shield, the only mark you need
- All other related North American Plumbing Codes
- National Plumbing Code of Canada

IAPMO and IAPMO R&T have been certifying plumbing products for compliance with standards governing their use since the 1940s.

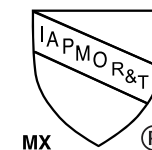
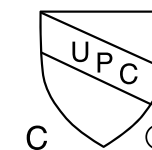
## Mexico

IAPMO R&T has expanded its plumbing product certification abilities beyond USA and Canada by offering plumbing product certification for the Mexican Market. Our accreditation by entidad mexicana de acreditación, a.c., (ema) along with the recognition by Comisión Nacional del Agua (CONAGUA) has made us the one-stop-shop for plumbing product certification for the whole North American market.

Our bilingual English/Spanish technical staff provides ease of communication and added assurance. Products certified for the Mexico market include:

- Flushometer valves  
(NOM-005-CONAGUA-1996)
- Showerheads  
(NOM-008-CONAGUA-1998)
- Water closets  
(NOM-009-CONAGUA-2001)
- Fill and flush valves  
(NOM-010-CONAGUA-2000)
- Valves and faucets  
(NMX-C-415-ONNCCE-2015)

We are the first U.S.- based product certification body accredited by ema to certify plumbing products for Mexico.





## WATER EFFICIENCY

### Demonstrate your EPA WaterSense® compliance

The U.S. EPA's WaterSense® product-labeling program offers consumers a simple way to make product choices that use less water, but with no sacrifice to quality and product performance. Products bearing the WaterSense mark are certified as being more water-efficient than products that don't meet WaterSense specifications.

IAPMO R&T has been a licensed provider of WaterSense certification since the program's inception in 2007, certifying the first EPA WaterSense high-efficiency toilet (HET) in April of that year, and brings the highest degree of credibility to each product certified as meeting the program's efficiency specifications.

As the leading provider of WaterSense certification in the United States, IAPMO R&T has certified thousands of products to the growing list of specifications and continues to add more products as new specifications are released. Products certified include:

- High-Efficiency Lavatory Faucets
- Weather-Based Irrigation Controllers
- Tank Type High-Efficiency Toilets
- Flushing Urinals
- Flushometer-Valve Toilets
- Showerheads
- Spray Sprinkler Bodies

Products bearing the WaterSense label must not only save water, but also perform as well or better than conventional models on the market. The U.S. EPA is working to bring more product types into its WaterSense labeling program.

### Show Them You've Gone Green

Consumers and jurisdictions alike are aggressively seeking ways to improve efficiency at every opportunity. A Green mark of conformity quickly alerts everybody to the water and/or energy conserving benefits of your products. Architects and engineers look for Green certification when selecting products in order to ensure compliance with Green Building requirements.

IAPMO R&T certifies Green products in relation to their water-saving features in order to better meet today's global environmental needs. The Green Certification Program offers the consumer a choice to select products that not only meet the minimum requirements of applicable codes and standards, but also those that can be readily identified as more friendly to the environment.

IAPMO R&T's Green Certification Program offers listings to such Green codes, standards and rating systems as:

- IAPMO's Green Plumbing and Mechanical Code Supplement (GPMCS)
- WESand
- CALGreen
- USGBC's LEED® Rating System
- National Green Building Standard
- Natural Resources Canada R-2000 Standard
- Green Building Assessment Protocol for Commercial Buildings





# DRINKING WATER SYSTEMS



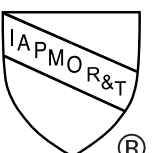
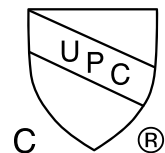
## Drinking Water: Toxicity/Additives/Treatment Units

IAPMO's Water Systems Certification Program informs and provides the utmost confidence to regulators, inspectors, manufacturers, distributors, installers, engineers and the public that the products have been tested and certified to the applicable standards.

Our experienced technical experts will help guide you through the certification process to get your products to market quickly.

A few examples of water systems products are:

- Drinking Water Treatment Units
  - NSF/ANSI 42, 44, 53, 55, 58, 62
  - CAN/CSA-B483.1-07
- Shower Filters – NSF/ANSI 177
- Drinking Water Systems – NSF/ANSI 61
- Drinking Water Treatment Chemicals
  - NSF/ANSI 60
- Microbiological Purifiers
  - NSF P231 and P248
  - US EPA Guide Standard and Protocol for Testing
  - Mexico NOM
  - WQAI Protocol: IP 100
  - WHO
- Scale Reduction – IAPMO Z601







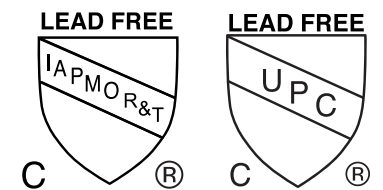
LEAD FREE

## Lead Free Leaders

IAPMO R&T was one of the first third-party certification bodies in North America to offer listings to the various “low-lead” standards and laws since 2008. These include, but are not limited to:

- Section 1417(d) of the Safe Drinking Water Act  
(commonly known as U.S. Senate Bill No. S.3874 “Reduction of Lead in Drinking Water Act”)
- Section 116875 of the California Health & Safety Code  
(commonly known as AB1953)
- Vermont’s Lead Reduction Law  
(commonly known as Vermont Act 193)
- Maryland’s Lead Reduction Law  
(commonly known as Maryland House Bill HB.372)
- Louisiana’s Lead Reduction Law  
(commonly known as Louisiana House Bill HB.471)
- NSF/ANSI 372

Manufacturers have long trusted IAPMO R&T for its foresight in assisting them to meet the dynamic legislative demands on their faucets, valves, fittings and other products that contact potable water.



# MATERIALS & COMPONENTS



## Materials and Components

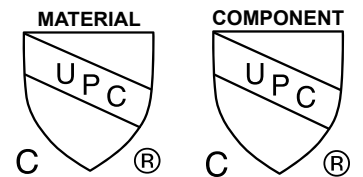
IAPMO R&T's Materials and Components certification provides consumer value and manufacturer peace of mind that the materials and components used in and on a particular product do not undermine the overall quality and safety of the finished product. Reduce scrap and rework by assuring quality from the beginning.

Applicable products include, but are not limited to:

- Plastic compounds
- Aerators
- Cartridges

Standards to which materials/components can be certified include, but are not limited to:

- ASME A112.18.1/CSA B125.1
- ASTM D1784





# SWIMMING POOL

## Swimming Pool Systems and Components

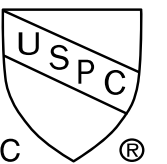
Manufacturers of swimming pool systems and their parts and components must comply with numerous laws and standards in place to ensure their safe operation. Without proper certification, many of these products cannot be legally installed:

- Suction Fittings
- System Skimmers
- Safety Vacuum Release Systems (SVRS)
- Swimming Pool Pumps, Filters and Chlorinators

The standards governing their safe installation include, but are not limited to:

- VGB 2008
- ANSI/APSP 16
- ASME A112.19.17
- IAPMO SPS 3

IAPMO R&T can handle both the plumbing and electrical aspects of certifying your wide range of swimming pool products to the standards and the *Uniform Swimming Pool, Spa and Hot Tub Code® (USPSHTC®)*.





# MANUFACTURED HOMES/RV

## Manufactured Homes and Recreational Vehicles

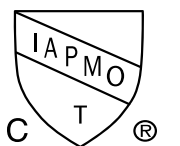
Just like their land-anchored counterparts, trailers and recreational vehicles must meet standards ensuring safe living conditions for the occupants. IAPMO R&T is the author of numerous standards governing the water-conveying products used in manufactured homes / recreational vehicles (RV).

A few examples are:

- IAPMO TS 2
- IAPMO TS 4
- IAPMO TS 11

Manufacturers need to have the following products certified to these standards in order to demonstrate their compliance with safety-ensuring regulations:

- Waste Holding Tanks
- Shower Stalls for RVs
- Water Tanks
- Kitchen Sinks for RVs



# FUEL GAS PRODUCTS

## Fuel Gas Products

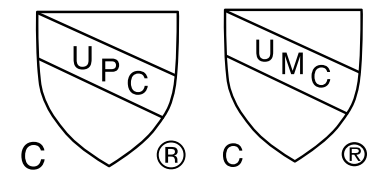
IAPMO R&T is accredited by the American National Standards Institute (ANSI) and Standards Council of Canada (SCC) to provide certification to those manufacturers wishing to add value and recognition to their fuel gas products by having them certified to the *Uniform Plumbing Code®/Uniform Mechanical Code®* and the following standards:

- ANSI Z83.11/CSA 1.8
- ANSI Z21.10.1/CSA 4.1
- ANSI Z21.58/CSA 1.6
- ANSI/IAS LC 1/CSA 6.26
- ANSI Z83.26/CSA 2.37

Products IAPMO R&T can certify in a fast and attentive manner include:

- Gas Food Service Equipment (rice cookers, pressure cookers, ovens)
- Outdoor Cooking Gas Appliances (barbecues, griddles, pizza ovens)
- Gas-Fired Patio Heaters
- Fuel Gas Pipes, Fittings, and Valves
- Gas Water Heaters

IAPMO R&T is an approved agency in compliance with Section 301.2 of the *Uniform Plumbing Code®* and Section 301.2 of the *Uniform Mechanical Code®*.





# SANITATION

## Field Evaluation and Labeling Services

Field Evaluation and Labeling Services is a service to evaluate uncertified commercial food equipment installed in restaurants, hotels, and other establishments to nationally recognized sanitation standards. Once found compliant, the equipment is labeled with a serialized IAPMO R&T Field Label.

IAPMO R&T has been providing supports to local inspectors and authorities having jurisdiction (AHJ) by confirming that installed uncertified commercial food equipment meets the applicable requirements of nationally recognized sanitation standards. We also provide formal reports summarizing the evaluation details and apply compliance labels to the equipment upon completion of the service. This service is typically completed within days of the request to ensure the equipment is ready for re-inspection quickly.

We offer this service to the following standards:

- NSF/ANSI 2
- NSF/ANSI 4
- NSF/ANSI 7
- NSF/ANSI 8
- NSF/ANSI 18
- NSF/ANSI 169

## Food Equipment

IAPMO R&T's expertise in the kitchen extends beyond those products related only to plumbing. We are also accredited by both the American National Standards Institute (ANSI) and Standards Council of Canada (SCC) to provide certification of those products associated with the preparation, cooking and storage of food, including:

- Prep Tables, Cutting Boards, Work Stations
- Commercial Cooking Appliances
- Powered Hot Food Holdings
- Commercial Refrigerators and Freezers
- Commercial Powered Food Preparation Equipment
- Solid Surfaces

The standards to which IAPMO R&T can certify these products include, but are not limited to:

- NSF/ANSI 2
- NSF/ANSI 4
- NSF/ANSI 7
- NSF/ANSI 8
- NSF/ANSI 51

Products bearing an IAPMO R&T mark of conformity are more likely to be utilized alongside their UPC- and UMC-compliant conventional plumbing counterparts in residential and commercial kitchens.





# MECHANICAL

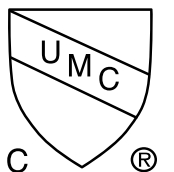
## Mechanical Products

IAPMO and IAPMO R&T have been certifying mechanical products to the requirements of the *Uniform Mechanical Code® (UMC®)* since its first publication in 1967. We bring decades-strong expertise to the certification of such products as:

- Central AC and Air-Source Heat Pumps
- Ventilating Fans
- Range Hoods

Applicable standards include:

- ARI 210/240
- ANSI/AMCA 210
- ANSI/AMCA Standard 300
- UL 710





## ENERGY- SAVING

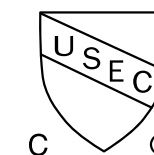
### Solar Systems

IAPMO R&T has been certifying solar heating products, both collectors and systems, since the technology enjoyed its first heyday in the mid-1970s. With the demand for solar certification skyrocketing once again amidst the global push for environmental sustainability, IAPMO R&T remains a manufacturer's best ally in showing compliance to the required standards, both in the United States and Canada.

The American National Standards Institute (ANSI) and Standards Council of Canada (SCC) accredit IAPMO R&T to certify these products to the requirements of a number of related codes and standards, including:

- *Uniform Solar Energy and Hydronics Code (USEHC®)*
- SRCC Standard 600
- SRCC OG 300
- CAN/CSA F378
- SRCC Standard 100
- CAS/CSA F379
- SRCC Standard 150
- ISO 9806

IAPMO R&T's certification service includes evaluation to requirements within the *Uniform Solar Energy and Hydronics Code® (USEHC®)*, as well as applicable national and international standards. The *USEHC®* is published by IAPMO and adopted in many jurisdictions throughout the United States. This mark of conformity tells consumers and inspectors alike that the products bearing it meet all the standards and requirements essential for such products' safe and reliable operation.







## RADIANT

### Radiant Heating and Cooling Technologies

The Radiant Professionals Alliance (RPA) is an international trade association comprised of individuals and companies dedicated to increasing the use of radiant heating and cooling technologies through education and the development of codes and standards.

- RPA manufacturing members produce the tubing, valves and controls used in radiant floors, walls and ceilings.
- RPA engineers and architects design high efficiency radiant hydronic systems for residential and commercial applications, including in-floor heating, snow melt, and space cooling.
- RPA contractor members install highly efficient, comfortable heating and cooling systems throughout the US and Canada.

With the RPA as one of the business units of the IAPMO Group, IAPMO R&T is uniquely qualified to provide certification for radiant products, such as in floor heating systems and general room heaters.

Standards governing radiant systems include:

- UL 1672
- CAN/CSA-C22.2 No. 130
- ANSI/UL 499
- CSA-C22.2 No. 72





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