# SEARCH AND DEPLOY

## How to use search engines to find tested and certified products that are up to code

Every aquatic facility requires proven products, they know they can rely upon. It's a wise economic decision to use quality equipment that has been tested and proven to meet the highest industry standards. Taking risks with unproven equipment leads to system failures, shutdowns, image problems, revenue loss, public health risk, or worse. That's why finding tested and certified products is so important.

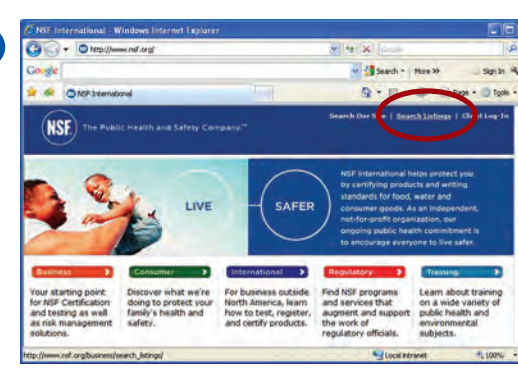
The recreational water and aquatics facility managers have various qualification requirements within their purchasing of new and replacement products and equipment. Typically these requirements derive from the need for proven/reliable products, bid specifications, building codes, public health code requirements, or engineering and design based criteria. The last two criteria may specify details such as specific performance capabilities, output, flow rates, pressures, or a particular standard (such as NSF/ANSI Standard 50, etc). Therefore, knowing where and how to search is important to prevent spending on the wrong product or wasting valuable time looking in the wrong place.

NSF International was the first company to write standards, test, and certify residential and commercial pool, spa, and waterpark equipment.

Since 1960 NSF has provided independent 3rd Party testing and certification for all pool, spa, and waterpark equipment. The NSF Mark is now synonomous with product safety and quality in the aquatics and recreational water industry. In order to help service companies, builders, designers, engineers, facility managers, and public health officials find proven products for use at recreational water facilities we will give you the keys to unlock the product search door and find what you seek. You will learn how to search for all the major product types to help you setup your facility and keep it operating at peak performance.

**1** This is the NSF International homepage and a great place to find detailed easy to search "Listings" for different product types equipment, and materials that NSF International has tested, audited, and Certified to some criteria.

- Let's get started at www.nsf.org
- Look at the upper right hand portion of the screen,
- Find and select Search Listings



2 You will be taken to a page where you can select from various Product Type/ Groups, next to each are example standards tohelp you make the right selection. Scroll down the page and you will see the 2 most important choices. Depending upon your needs between pool/spa/waterpark products or common plumbing pipe and fittings, choose one:

- Recreational Water Facility Products to find pumps, filters, chemical feeders, UV, valves, skimmers, etc.
- Plumbing System Components to find common plumbing parts like PVC, CPVC, etc. pipe and fittings.

The two NSF search options above have different choices within the search engines, we will show you how to use both.

3 First we will address the pool and spa products. Select Recreational Water Facility Products and you will next see a page that enables searching by these logical criteria:

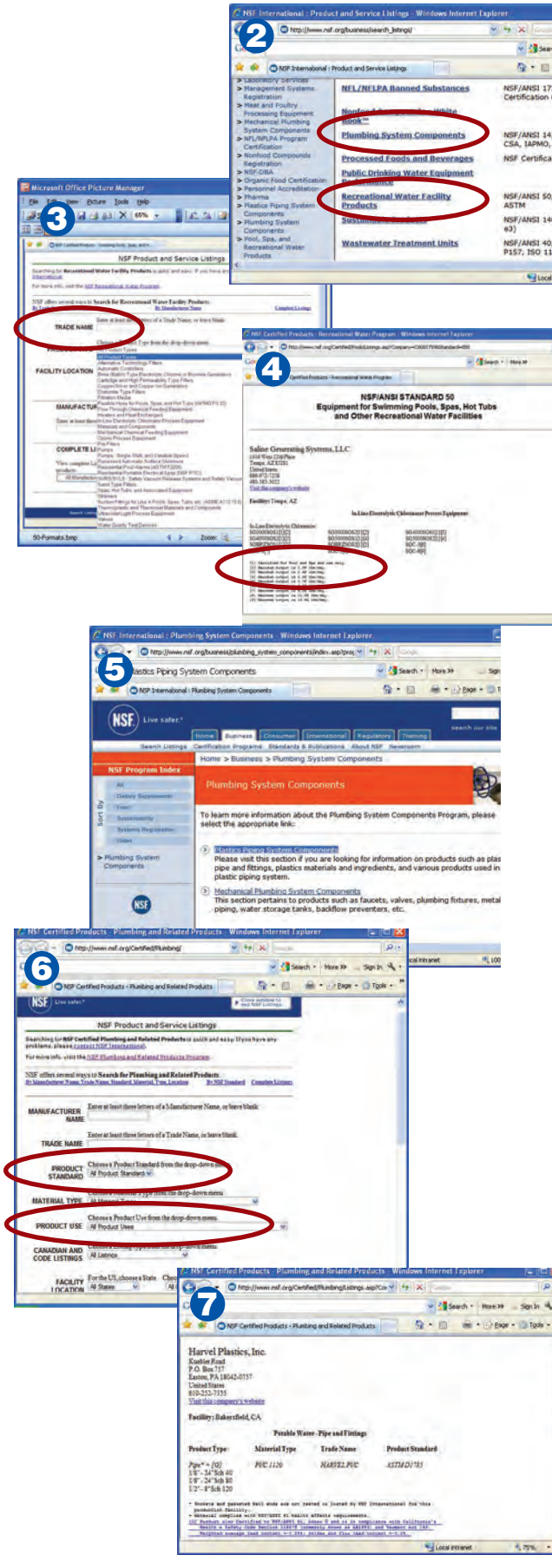
- Manufacturer
- Trade Name
- Production Location
- Product Type

The most commonly used search is PRODUCT TYPE because you can choose virtually anything from Automatic Controllers to Water Quality Test Devices.

4 Here is an example NSF Standard 50 Listing for an electrolytic chlorinator. Notice the amount of chemicalproduced per day is shown in the NSF Listings. This type of information is critical to ensure you size your system properly. NSF provides this important information for service technicians, facility operators, etc. can quickly find what they need. If you have questions about the listings, products, or need more information, you can get it directly from NSF Staff. Just follow the link at the top of the web listing search page NSF recreational Water Program and follow the link to the main page, From there you can get further information or contact NSF via e-mail or phone, *pool@nsf.org* and 800-NSF-MARK.

5 Now lets address the common plumbing pipe and fittings.If you sought pipe/fittings you would have selected the Plumbing System Components search engine.This engine allows you to find specific circulation pipes or fittings like 2" SCH 40 PVC pipe with the NSF-pw Marking. The NSF-pw Marking means that NSF has tested and certified the product to NSF/ANSI Standard 14 and performed unannounced annual audits at the production location and tested the product for performance and health effects. That gives you the highest level of confidence in the product because the testing includes material physical properties of performance, testing the final pipe and fittings for dimensions crush and burst safety related performance and of course conducting chemical extraction health effects testing for use in a highly pressurized drinking water system. Building, plumbing, and health codes require the NSF-pw if not the NSF-50 marking on products for leak prevention and water conservation, short and long term performance and health safety.

6 Here is how you get to the search engine page:

- Select Plastic Piping System Components
- Then select your search categories to zero in on what you really need, for instance:
  - Product Standard - select ASTM F1785 for PVC Pipe Sch 40, 80, etc.
  - Product Use - select Potable Water - Pipe and Fittings
- Then select SEARCH at the page bottom to execute the search

7 You will be rewarded with thousands of fully tested and certified products to meet your needs. The NSF website makes it easy to find the exact products you want, from the manufacturers you know and trust. NSF tries to make your job easy, and can help you contact manufacturers for further information. Armed with this information you will always be able to locate the products you seek to equip your facility or make needed upgrades. ■