



Exceeding the Toughest Standards



PRODUCT OVERVIEW

The dahl-ECO line of **mini-ball™** valves meet any current low lead standard worldwide. Specifically, they are compliant to the requirements of the latest Reduction of Lead in Drinking Water Acts including Senate Bill SB. 3874, California Health Safety Code Section 116875 (AB 1953), Vermont Act 193 (S-152), Maryland House Bill HB372 and US Senate Bill S. 3874. These dahl-ECO lead free† valves are made using a tough, patented ECO BRASS® alloy (C69300), which is highly resistant to dezincification and corrosion cracking. This makes them exceptionally durable in extremely harsh conditions.

Like every **mini-ball™** valve, dahl-ECO valves are covered by an extraordinary 25-year warranty. They are available in thousands of configurations; more than any other lead-free valve. The patented modular design allows us to produce a valve for just about any application a customer may have. In addition to the ECO BRASS alloy other dahl-ECO **mini-ball™** valve features include:

- **Non-rising stem.** The stem does not travel in and out of the stem seals preventing deposit of minerals, debris and other course matter in the sealing area, which can cause leaks in some other valve types.
- **Quick, 1/4-turn shut-off.** When a toilet is overflowing, a 1/4 turn with no mineral deposits is far superior to multiple turns of a compression valve with heavy mineral deposits.
- **Sealing feature.** For smooth operation, inert PTFE (Teflon) seals are used in ball valves, which are resistant to chemicals found in most plumbing systems, and operate with low friction, helping prevent buildup of minerals and sediment. In other valve types, rubber and other elastomer seals tend to harden, deteriorate and eventually fail with age.
- **Continuous flow.** The ball bore forms a continuous flow pathway no other valve design can match. The result is a compact valve with high flow velocity and minimal noise.
- **American Brass.** Based on extensive research over several decades, American brass is of the highest quality and has far superior corrosion resistance in aggressive water conditions.
- **American Teflon®.** The quality of Teflon® rod we purchase for our precision-machined ball valve seals is unmatched, and critical to long product life. Our valves have been life cycle tested to over 700,000 cycles without failure, using the same ball and seals.
- **American O-Rings.** We only purchase O-Rings made from the highest quality compounds. O-Rings used by Dahl are free from common defects such as geometric deficiencies that cause leaks, and rapid deterioration caused by inferior resistance to aggressive elements in the water.
- **Made in Canada.** Every **mini-ball™** valve is designed, manufactured, assembled and individually tested at our Mississauga, Ontario factory and headquarters to ensure quality and prompt delivery.
- **Certifications.** dahl-ECO **mini-ball™** valves meet or exceed the following standards, as applicable, and are certified as such by both CSA and IAPMO.

✓ NSF/ANSI 61 Annex G ✓ CSA B125.1 ✓ ASME A112.18.1

When choosing Lead Free† valves, choose the best, choose dahl-ECO

† Lead Free refers to wetted surface areas, which contain less than 0.1% Lead by weight.

09/28/11