





MORRIS GROUP
INTERNATIONAL®



A complete overview of indoor and outdoor drinking fountains, water coolers and chillers.



Drinking Fountains



Water Coolers



Chillers





**A17 Series
New cooler design**

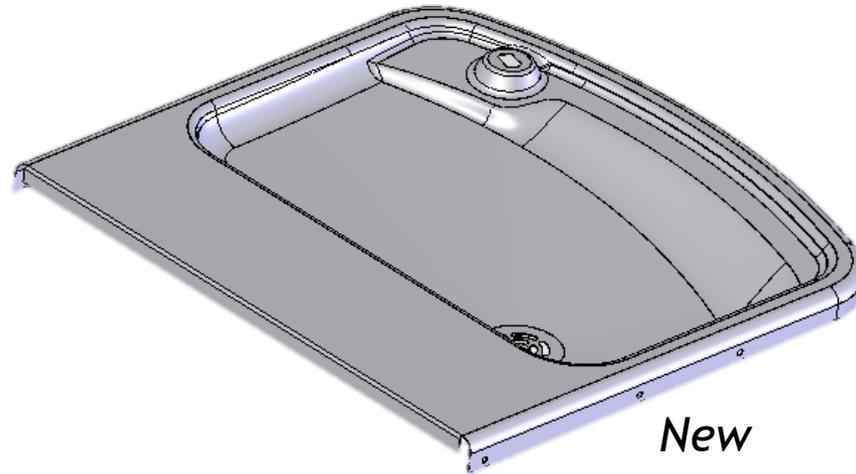
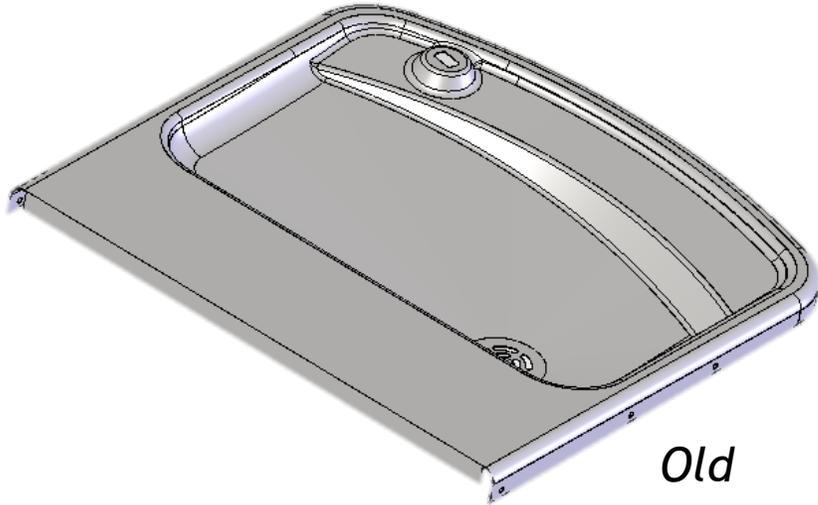
Flex Bubbler

- ▶ Low flow
 - ▶ 0.3GPM at 4in height
- ▶ Anti-Microbial Over mold
- ▶ Used With Flow Restrictor



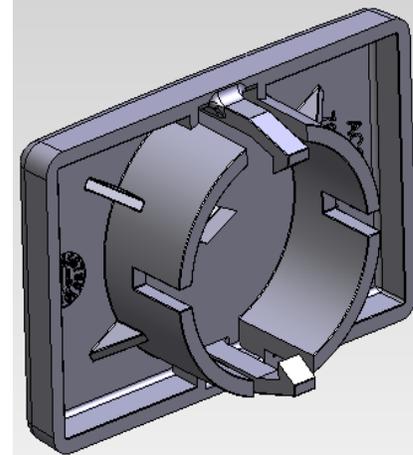
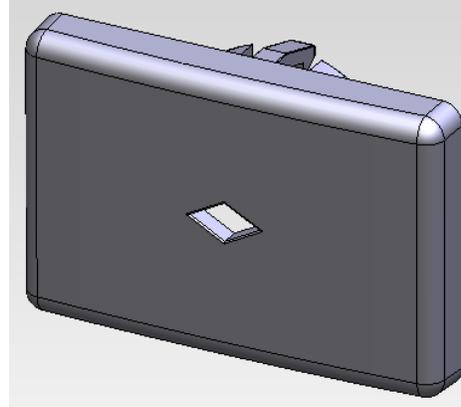
Enhanced Stream Diffuser

- ▶ Larger Diffuser Area for Water Stream to Hit.
- ▶ Less Splashing



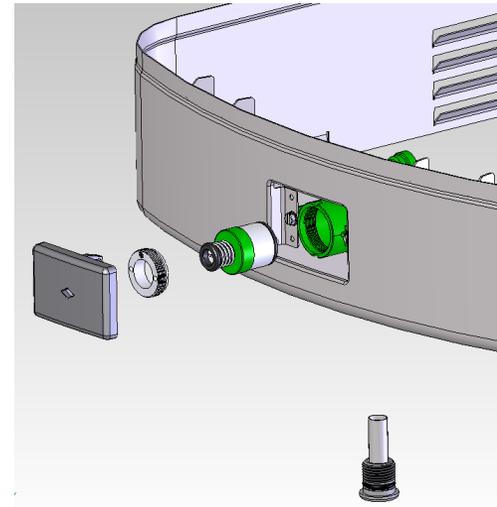
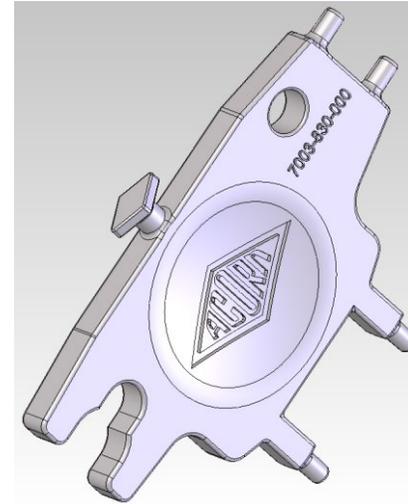
Push Button

- ▶ Single Button
 - ▶ Direct acting
 - ▶ No complex linkage
- ▶ Flush Mounted
 - ▶ More vandal resistant
- ▶ Anti-Microbial Material
- ▶ Easily Adjust Stream Through the Hole in the Button



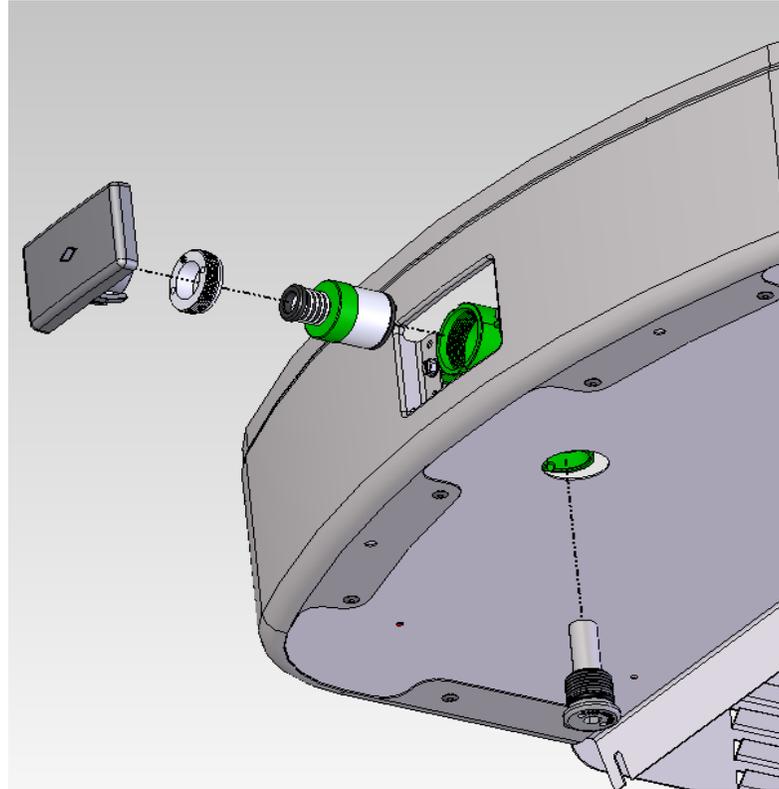
Easy Maintenance

- ▶ All With One Tool
 - ▶ Remove button
 - ▶ Unscrew retaining ring to change cartridge
 - ▶ Unscrew the strainer cap to clean the strainer
 - ▶ Easily disengage tubing from John Guest fittings
- ▶ No Need to Remove the Basin or Lower Cover for Cartridge Replacement and Strainer Cleaning



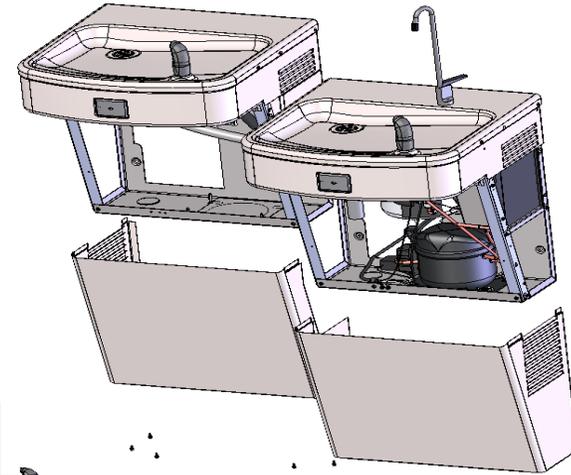
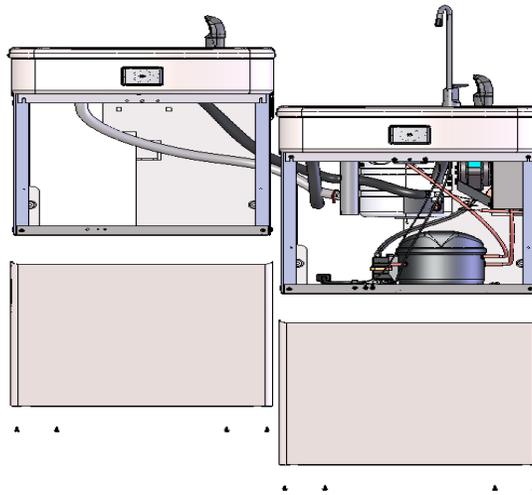
Auto Stop, Patent pending

- ▶ Shuts Off Water to Valve Assembly
 - ▶ Automatically shuts off water to the valve when the strainer cap is removed.
 - ▶ The cartridge and strainer can be serviced without removing the basin or lower cover.



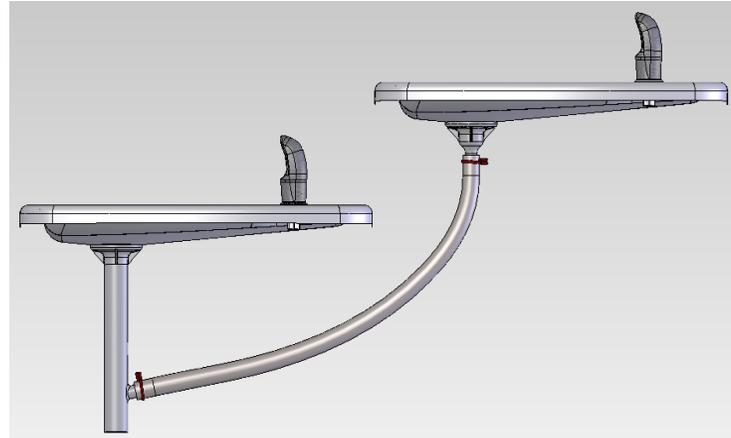
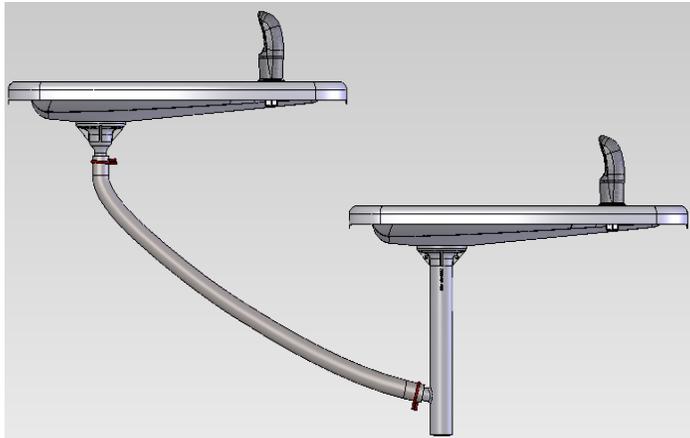
Universal Bi-Level

- ▶ One Model for Both Left and Right High
- ▶ One Drain Assembly for Both Configurations
- ▶ Easily Changed by Installer
 - ▶ Move filler plate
 - ▶ Reverse drain parts



Drain Assembly

- ▶ Made of Only 9 Pieces (3 major components).
 - ▶ Current drain is 31 pieces
- ▶ Easily Change from Right High to Left High Configuration



Tube on Tube Evaporator

- ▶ Refrigeration Tube is Wrapped Around Water Tube
- ▶ No Tank
 - ▶ Reduced number of failure points.
- ▶ Larger Diameter Water Tube Acts as a Tank
- ▶ Water tube is 45% thicker than previous water line



Green Listing

- ▶ Low Water Flow Bubbler
- ▶ Reduced Energy Consumption
 - ▶ 4.9Amps for old compressor
 - ▶ 4.4Amps for new compressor
- ▶ Reduced Refrigerant charge by 10%
- ▶ Components Made From Recyclable Materials

Heavy Gage Stainless Steel, ADA, Vandal Resistant Water Coolers



Vandal Resistant Coolers

- MURDOCK knows “vandal resistance!”
- Value, durability, choice
- Schools, high impact usage



GOOD



BETTER



BEST



Vandal Resistant Cooler [GOOD]

- Granite cabinet - not intimidating
- Vandal resistant forged brass bubbler
- Flush mounted brass push button
- Center pin, tamper proof fasteners
- Both **Child** and Adult Accessible
- No competition



Model A111108B-VRB



Vandal Resistant Cooler [BETTER]

- Stainless steel cabinet
- Vandal resistant forged brass bubbler
- Flush mounted brass button
- Welded louver screens
- Center pin, tamper proof fasteners
- Both **Child** and Adult ADA accessible
- Competition: Elkay VRC8S (surface mounted button, no louver screens)



Model A111408B-VR



Vandal Resistant Cooler [BEST]

- All 14 ga. SS welded construction
- Vandal resistant forged brass bubbler
- Flush mounted brass button
- Welded louver screens
- Center pin, tamper proof fasteners
- Both Child and Adult ADA accessible
- Competition: Haws HWBFA8.VRC
16 ga. basin, not child ADA



Model A111408B-FG-VR



Vandal Resistant Bi-Level Water Cooler

Each of the Vandal Resistant Coolers shown earlier are available as bi-level units

- A112108B-VRB
- A112408B-VR
- A112408B-FG-VR



Model A112408B-FG-VR



Stainless Steel Bubbler



- 100% lead and brass free in the waterways
- Will be standard on all on all DF&C cooler and fountain models.
- All DF&C products have been re-certified by IAMPO to meet NSF Standard 61, Section 9, Annex G and California Plumbing Law CHSC116875.

A000000S

Floor & Wall Mounted Water Coolers

Compact Water Coolers

- 5 gph standard
- Standard flexible bubbler
- Cold and hot glass fillers
- Granite powder coated or all-stainless steel
- Various optional accessories and finishes
- Free Standing only

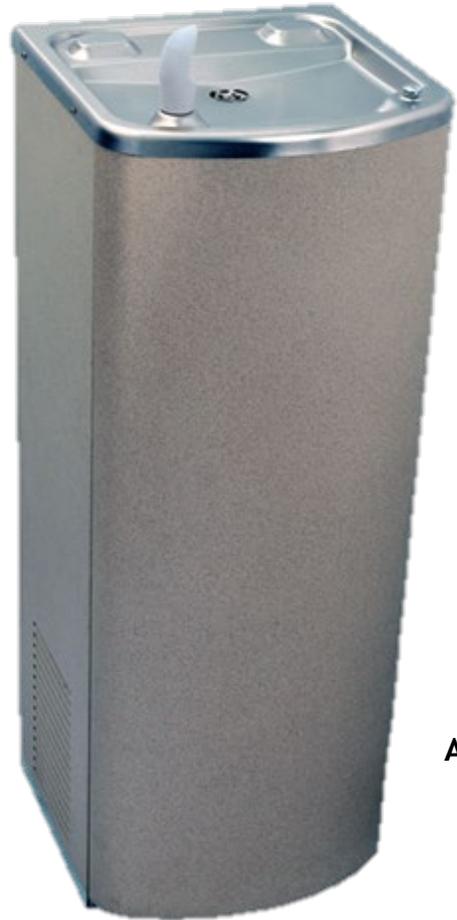


Model A511103F

Deluxe Water Coolers



Model
A311108F



Model
A611108F

- 8 gph standard
- Standard flexible bubbler
- Cold and hot glass fillers
- Granite powder coated or all-stainless steel
- Various optional accessories and finishes
- Standard vandal resistant screws

Remote Water Chillers

- Designed to supply chilled water to multiple fountains
- 8 gph standard
- Also available in 220 volt / 50 Hz



**Model
A9100080
8 gph**



Expansive Selection of Drinking Fountains

Contour Stainless Steel Drinking Fountains



- Model A131400B shown
- Both **Child** & Adult ADA Compliant
- Uniquely contoured, 2 piece fountain with integral P-trap
- 18 gage, 304 stainless steel
- Available in short and long
- Mechanical activation or sensor operated
- Standard polished chrome brass bubbler
- Various finishes (i.e. gold and bronze)
- Various options (i.e. freeze resistant)
- Vandal resistant screw is standard



Contour Refrigerated Bi-Level



Model
A132408B-SO



Contour Box Fountain

- Model A151400B shown
- Both **Child** & Adult ADA Compliant
- Uniquely contoured, 2 piece fountain with integral P-trap
- 18 or 14 gage, 304 stainless steel
- Available in short and long
- Mechanical activation or sensor operated
- Various finishes (i.e. gold and bronze)
- Various options (i.e. freeze resistant)
- Vandal resistant screw is standard



Contour Box Refrigerated Bi-Level

- ▶ 32" width meets the smallest alcove specifications for bi-levels
- ▶ Saves space and money
- ▶ Will apply to all Aqua Contour bi-levels
- ▶ Haws is the only equal



Model
A152408B-W32



Contour Box Fountain, 14 Gage



Model
A151400B-FG



Model
A152400B-FG



Stream Cast Aluminum Fountains



Model
A112H00B



Model
A113H00B

- White powder coated
- **Child** & Adult
ADA Compliant
- 2 & 3 station units
- Indoor & Outdoor
- Various accessories (i.e. freeze resistant)
- Vandal resistant screws are standard



Stream Cast Iron Fountains



Model
A1H2J00S

- White enameled cast iron
- 100% lead-free and brass-free stainless steel bubbler
- **Child** & adult ADA compliant
- Flush mounted buttons



Heavy Gage Stainless Steel Wall Mounted Fountains



- **Child & Adult**
ADA Compliant
- Fairway green powder coated (standard)
- Standard polished chrome brass bubbler and surface mounted brass push buttons
- Various finishes available
- Various accessory options
- Vandal resistant screws are standard



Model
A1G2500B-BP6



Heavy Gage Stainless Steel Round Bowl Pedestal Mounted Fountains



Model
ABC2500B



Model
ABC3500B

- **Child & Adult**
ADA Compliant
- Fairway green powder coated (standard)
- Standard brass bubbler and surface mounted brass push buttons
- Various finishes available
- Various accessory options
- Vandal resistant screws are standard



Heavy Gage Stainless Steel Square Bowl Pedestal Mounted Fountains



Model
ABG1500B



Model
ABG3500B

- **Child & Adult**
ADA Compliant
- Fairway green powder coated (standard)
- Standard brass bubbler and surface mounted brass push buttons
- Various finishes available
- Various accessory options
- Vandal resistant screws are standard



Concrete-Aggregate Wall and Floor Mounted Fountains

- **Child & Adult**
ADA Compliant
- Brown concrete (standard) also
available in tan
- Multiple pedestal configurations
- Various accessory options
(i.e. hose bibbs, jug fillers,
freeze resistant valves)
- Vandal resistant screws are
standard



Model
ABE2900B

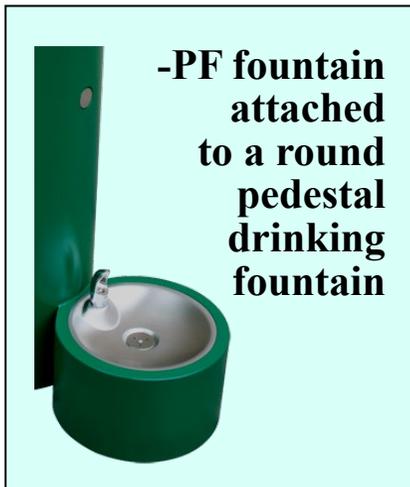
Model
A1E1900B



Pet Fountains - Steel & Stone



Model
A8C1500B-PF



Model
A8D1900B-PF

- Available as optional accessories or as individual fountains
- Heavy gage stainless steel or concrete-aggregate
- Only available in round bowl
- Standard polished chrome brass bubbler and surface mounted brass push button
- Vandal resistant screws are standard
- Slow drain



Design Economy Fountain

- Competitive outdoor drinking fountain
- 304 stainless steel bowl
- Powder coated steel pipe and base
- Polished chrome brass bubbler with lever operated valve



Model A7F1599L

Flow Economy Wall Mounted Drinking Fountains

- Competitive indoor/outdoor drinking fountains
- 304 stainless steel bowl and arm
- Brass bubbler with lever operated valve or push button bubbler



Model
A461400L-PT1



Model A461400P

Flow Economy Wall Mounted Drinking Fountains

- Competitive indoor/outdoor drinking fountains
- 304 stainless steel bowl
- Brass push button bubbler



**Model
A4B1400P**



**Model
A4A1400P**



Recessed Drinking Fountains Water Coolers & Cuspidors

- 18 gage 304 stainless steel recessed cabinet with 16 gage galvanized steel mounting frame
- Polished chrome brass bubbler and wash down outlets
- Configurations include water coolers, drinking fountains individually with or without cuspidors.
- ADA compliant units are available (shown with knee clearance alcoves)



Model
A481408B-CUSP



Model
A181408B



Model
A181400B



Bottle Fillers



Specs

- ▶ Uses refrigerated water and the drain of the Aqua Access
- ▶ Durable all stainless steel or powder coated steel construction
- ▶ Sensor or push button activated
- ▶ Battery power (optional) on sensor models only
- ▶ Bottle counter/filter meter available on sensor models
- ▶ 1 gpm quick fill flow rate



Specs



- ▶ Laminar flow for no splash
- ▶ Environmentally friendly (Green)
- less plastic bottles in landfill
- ▶ ADA compliant

User Friendly

- ▶ Touch-free fill sensor
- ▶ 1 gpm flow rate allows user to fill bottle quickly
- ▶ Removable top for easy battery replacement
- ▶ Easy maintenance
- ▶ Easy installation

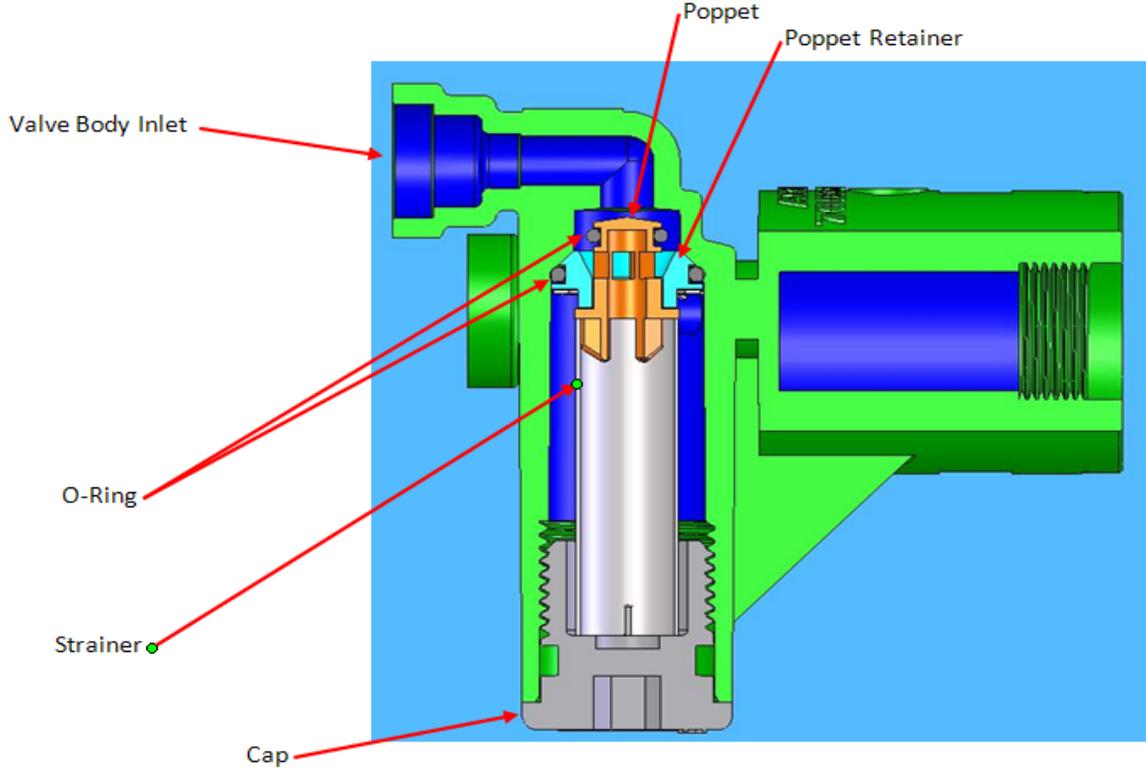




Technical Review

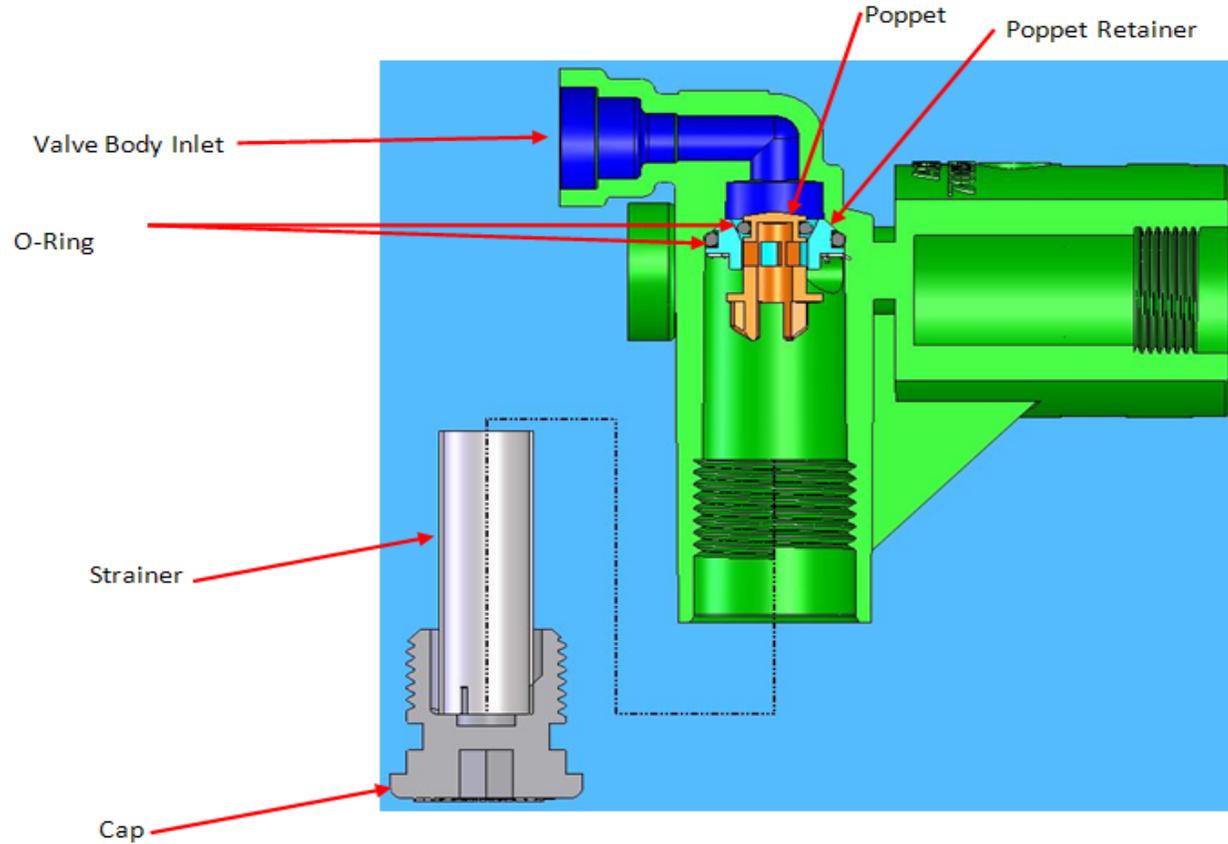
Some technical highlights of
Murdock coolers and fountains

Auto Stop Standard on all A17 series coolers “open”



The cap is closed, opening the poppet which allows water to flow through the ports and then through the strainer before entering the cartridge.

Auto Stop “closed”



The cap is open/off,
closing the poppet which
then seals via o-rings.
When sealed the Auto Stop
prevents water flow to the
rest of the valve body.

Valve Assembly



- One (1) valve assembly used for all water coolers and drinking fountains
- Valve is interchangeable with old and new Haws fountains
- Standard regulator valve used by all water cooler and drinking fountain manufacturers



Fountains

Installation Benefits

Top-access design available exclusively on Murdock stainless steel wall-hung fountains.

Ease of installation – plumbing and water connections are accessible from above

- Installation can be completed from a standing position – no climbing under fountain necessary!
- Ease of maintenance – valve cartridge and strainer are serviceable from above.
- Integral P-trap eliminates the need for an access panel or wall chase





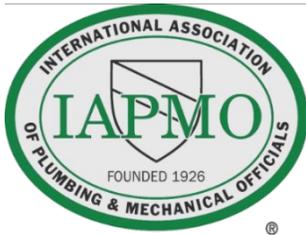
Required Code Compliance

Safe Drinking Water Act

- Precursor was California's Proposition 65 to remove lead from drinking water
- Although SDWA was approved 30 years ago, potable systems didn't have to meet the standard until August of 1998
- Truly the only requirement that manufacturers have to comply with to prevent lead from leaching into drinking water



National Sanitation Foundation- NSF 61, Section 9, Annex G



- Most recognizable testing organization within the United States
- Although not required by law, most engineers won't except product submittals without this approval
- All metallic and non-metallic parts integral to a potable system must pass the established toxicity testing parameters as established by the specific NSF standard

NOTE: NSF testing was conducted by IAPMO

Americans with Disabilities Act

- Signed into law in 1990
- ADAAG (Accessibility Guidelines) provide architects/engineers minimum requirements
- Initial code didn't address needs for children's frontal approach to a water cooler
- Update to standard at the DOJ office and has already been published in the Federal Registry for the minimum standards for disabled children. Expected release in 2006



Texas Accessibility Standards

TAS

- First state to establish front accessibility standards for children
- Standards are for school children ranging from ages 4 – 10 and 11 – 15
- New state code forced the water cooler manufactures to redesign and retool their products
- Precursor for ADAAG update and **required Child ADA accessibility**

California CHSC116875 Lead Free

- Lead free water ways
- Hot button topic with west coast school districts



Assembly Bill No. 1953
CHAPTER 853

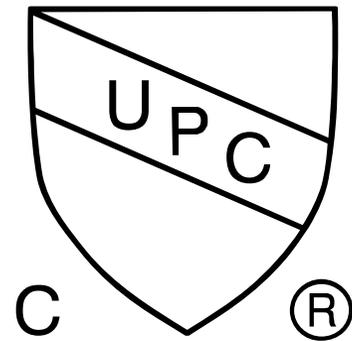
An act to amend, repeal, and add Section 116875 of the Safety Code, relating to lead plumbing.
[Approved by Governor September 30, 2006. Filed with Secretary of State September 30, 2006.]

LEGISLATIVE COUNSEL'S DIGEST

AB 1953, Chan. Lead plumbing.
Existing law prohibits the use of any pipe, pipe or plumbing fixture, solder, or flux that is not lead free in the installation of any public water system or any plumbing in a facility for human consumption, except as specified.
Existing law prohibits the introduction into commerce of plumbing fitting, or fixture that is not lead free, except used in manufacturing or industrial processing.
This bill would, commencing on January 1, 2010, prohibit to apply to any pipe or plumbing fitting, or fixture that dispense water for human consumption, but would prohibit specified devices.
Existing law defines lead free as not more than 8 percent with respect to pipes and fittings and not more than 4 percent with respect to plumbing fittings and fixtures.
This bill would, commencing on January 1, 2010, prohibit the use of "lead free" for purposes of manufacturing, industrial processing, or dispensing water for human consumption, except for pipes and pipe fittings, plumbing fittings, and fixtures of weighted average lead content of not more than 0.25%, to a prescribed formula.
Existing law requires the State Department of Building Standards to implement the above provisions in building standards and health officials are required to enforce the provisions of local officials.

UL/UPC

- Electrical safety certification for both the United States and Canada
- All plumbing certified per UPC Standards for Canada and the United States



Communauté européenne

CE

- European Community electrical safety standards
- Similar to UL in North America

IAPMO Green Listed Low Flow – Water Saving



- All WC&DF brass, flexible, stainless steel bubblers, have a lower flow rate than any competitor's
- Aqua bubblers are 30-40% more efficient than competitor's supposed low flow bubblers.

Stainless Steel – Recyclable



- Many Murdock products are made of stainless steel
- Certified to ASTM-A-240
- Stainless steel used in fabrication Murdock DF&C product contain 75% recycled material.
- After Murdock products are used for their intended purpose, the stainless steel can be reclaimed for recycling.

Web Support

Murdock Mfg. submittals, rough-in sheets, installation & operation instruction sheets, literature and information requests are available online at:

murdockmfg.com



Where quality meets durability,
competitive pricing
and beauty of design!