

Double-Arrow™ Features

- Dual check backflow prevention
- Frost-proof anti-siphon protection
- Easy repair and maintenance
- Field testable
- More flow than other 1052 or 1053 devices
- Leakproof O-ring bonnet seal
- EPDM O-rings for longer life and more resistance to high alkalinity and chlorine content
- No packing nut to tighten – No More Leaks!
- Large flange for easy installation
- Comfortable rubberized coated handle
- Vandal-resistant lock shield available
- Does not “Splash Back”
- Available with NPT threaded ½” & ¾”
- Sweat & SharkBite Connections
- Made in USA, Patented
- ASSE 1053 Approved
- IAPMO listed
- Fits in rough-in dimensions for Zurn and Woodford

Comparison Chart

	Double-Arrow™	Woodford	Zurn
Dual-Check Backflow Prevention	X	X	X
Frost-Proof Anti-Siphon Protection	X	X	X
ASSE 1053 approved	X		
Leakproof O-Ring Bonnet Seal	X		
Meets Lead-Free Regulations	X		

Hydrant Models (Lengths from 2” to 24”)

413 Series 3/4” SharkBite® Connection
414 Series 1/2” SharkBite® Connection
415 Series 1/2” FIP or 3/4” MIP Connection
416 Series 1/2” Copper Sweat or 1/2” MIP Connection
418 Series 3/4” Copper Sweat or 3/4” MIP Connection

Notes:

- Add LK at the end of the part number for Loose Key version.
- Add AC before the part number for Stainless Steel Box version (only available with Loose Key).
- For Closed Coupled version use part number AC411-02LK.
- The Double-Arrow™ hydrant with stainless steel box is equivalent to the Woodford B6700 series hydrant.
- Stainless steel box available separately as part number AC410BOX.

WARNING!

When using hose-end devices with self-closing nozzles, always relieve pressure in the hose to activate drainage of faucet. In freezing weather, remove hose.

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Double-Arrow™

double-check
anti-siphon
frost-proof
wall hydrant



Double-Arrow™ Features:

- Arrow-Breaker® Technology
- Two independently operating check valves to prevent backflow
- Frost-proof protection
- Leak-proof O-ring bonnet seal
- Exclusive wall mounting system for Stainless Steel Box



Save up to 25%

The Double-Arrow™ is priced up to 25% less than other 1052 or 1053 hydrants.

Another innovative product from Champion-Arrowhead, LLC
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The Double-Arrow™ Hydrant

The Double-Arrow™ is a frost-proof wall hydrant with two integral yet independently operating check valves assembled in tandem to provide backflow protection. The first check valve has two check surfaces and the second check valve has one, for a total of three check surfaces. The hydrant drains as the handle is shut off. The hydrant meets new lead-free regulations.

The AC series is enclosed in a stainless steel wall box designed to fit inside a wall of up to 10" in thickness.

The AC411 series is the closed coupled version and is enclosed in a stainless steel box designed to fit inside a 5" wall. The inlet of the closed coupled can swivel 360 degrees to accommodate either a high-ear or a drop-ear configuration.

ENGINEERING SPECIFICATIONS

Backflow Protection

- Patented vacuum breaker with 3/4" male hose thread
- Arrow-Breaker® Technology provides a special cone washer with a check surface that seals at the inlet and another check surface that seals around the sides of the stem tube
- ASSE Standard 1053 approved for "Dual Check Backflow Preventer Wall Hydrant Freeze Resistant Type"
- IAPMO listed
- 2 independently operating check valves assembled in tandem

Drain

- As the handle is shut off, the hydrant drains away from the hands of the operator and away from the building

Valve Seat

- Springless check valve that seals against 2 surfaces to provide double protection under any backflow pressure

Casing

- Copper tubes
- Meets lead-free regulations

No lead solder

- All solder joints

Stem

- Brass stem designed to resist damage
- Meets lead-free regulations

Tee Key

- Loose key operates hydrant

Operating Rod

- 3/8" brass operating rod
- Meets lead-free regulations

Inlets

- As shown

Wall Clamp

- Patented wall clamping system that is easy to use and can accommodate walls up to 10" thick.

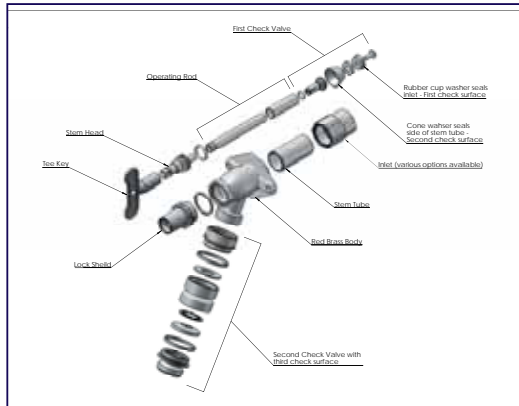
Max Pressure

- 125 psi

Max Temperature

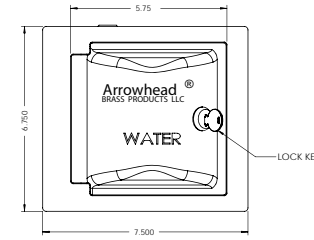
SPECIFY AS FOLLOWS:

- Wall hydrant shall be the Double-Arrow™ model manufactured by Champion-Arrowhead LLC, Los Angeles, CA.
- Wall hydrant shall meet lead-free regulations.
- Wall hydrant shall be certified to ASSE 1053 for Dual Check Backflow Preventer Wall Hydrant Freeze Resistant Type.
- Wall hydrant shall have 2 integral yet independently operating check valves assembled in tandem.
- First check valve shall be a springless cone washer with 2 check surfaces.
- Second check valve shall be a vacuum breaker with 1 check surface.
- Wall hydrant shall have a leakproof O-ring bonnet seal without a packing nut.
- Wall hydrant shall have a maximum operating temperature of 140° F.
- Wall hydrant shall have a maximum operating pressure of 125 psi.
- Stainless steel box for wall hydrant shall have a clamping system that can accommodate up to 10" wall thicknesses.
- Box shall be made from 18 gauge 304 stainless steel and the door shall be made from 14 gauge 304 stainless steel.

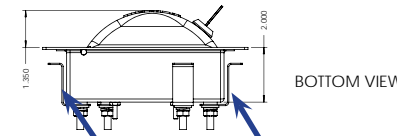


Rough-In Dimensions

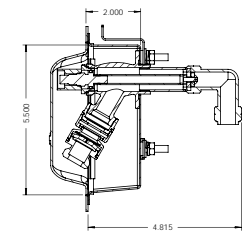
For Stainless Steel Box and Closed Coupled Versions



FRONT VIEW



BOTTOM VIEW



RIGHT VIEW
CLOSED COUPLED VERSION, P/N AC411-02LK

Exclusive Mounting Brackets Included. Secures Easily to Walls up to 10" Thick!

Every Double-Arrow™ Product Meets

ASSE 1052 Requirements

- Two check valves to prevent backflow
- No frost-free protection requirement

ASSE 1053 Requirements

- Same two check-valve backflow protection as ASSE 1052
- PLUS —
- Hydrant draining feature for frost-proof protection

Available Configurations

- Hydrant only with rubberized oval handle (regular part number)
- Hydrant only with loose key (add LK at the end of part number)
- Hydrant with stainless steel box (add AC at the beginning and LK at the end of part number)*
- Hydrant with stainless steel box in closed coupled configuration (use part number AC411-02LK)*

*Only available in loose key

