

# Arrow-Breaker™ Hose Bibbs and Frost Proof Hydrants With Integrated (Built-In) Vacuum Breakers

Champion-Arrowhead is proud to introduce the Arrow Breaker™, the first product to offer a full solution to an age old problem: hose bibbs and hydrants with vacuum breakers. The Arrow-Breaker™ utilizes new, patented technology that integrates the function of a “thread-on” vacuum breaker into the hose bib and hydrant itself. All of that and a 3 year warranty.

No longer:

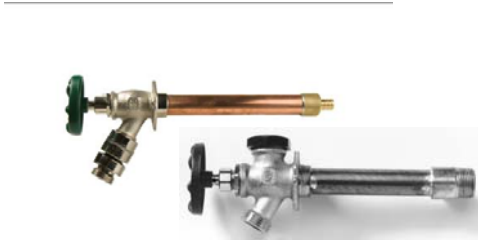
- does the plumbing industry have to tolerate customer complaints of low flow, spitting or bulbous looking backflow preventers
- will plumbers have to install wall hose bibbs and wall hydrants only to come back again after texturing and painting to add vacuum breakers or to replace them because of clogs
- will inspectors have to red tag a building because the backflow preventers are clogged with debris or missing
- will inspectors have to worry that the backflow preventers will be removed shortly after they are installed.
- will customers and contractors have to deal with low flow rates from their hoses and attachments

*The Arrow Breaker™ was voted best new product of 2007 by the Irrigation Association at its show in December*



Before

After



Homeowners will prefer the Arrow-Breaker™ because:

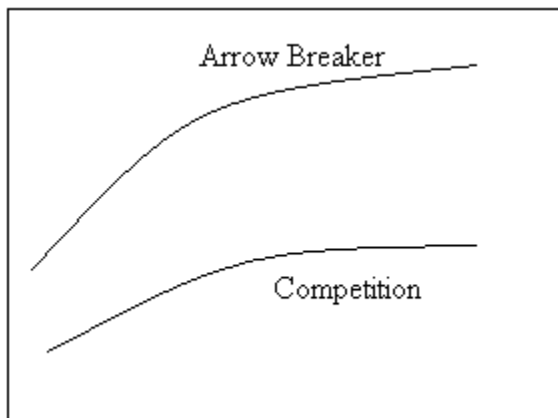
1. Three year warranty
2. Compact size, no “thread-on” vacuum breaker addition; better aesthetics
3. 100% (double) more flow rate than units with “thread-on” vacuum breakers
4. Eliminates noise during operation because of increased flow
5. Made in USA – Exceptional quality, made from high quality red brass, not cheap Chinese yellow brass
6. Revolutionary design reduces water hammer
7. Three year warranty
8. Does not “spit” or splash like most “thread-on” vacuum breakers
9. Arrowhead Brass quality and reliability

### **Inspectors** will prefer it because:

1. Plainly marked with large orange tag indicating approvals
2. Integral vacuum breaker design prevents removal after installation
3. Meets all applicable codes
4. No water hammer
5. IAPMO and ASSE 1011 & 1019 approved

### **Contractors** will prefer it because:

1. Plumbing installations can be completed in one pass (no need to return to the job site) as the porting holes are covered when the Arrow Breaker™ is off so plaster, paint and stucco is not a problem
2. Costs less than buying a hose bib/hydrant and vacuum breaker separately
3. No call backs or failed inspections due to removal and complaints
4. No assembly needed
5. Quality construction made from high quality red brass – Made in USA
6. Manufactured by Champion-Arrowhead, a quality company with a reputation of innovative quality for over 70 years
7. Fewer customer complaints because it is made to work
8. Better flow rates with over 15 GPM at 50 psi



**Flow rate comparison**



Arrow-Breaker™ utilizes a ½" flow channel to significantly increase flow and to house the vacuum breaker. No longer is the VB exposed to the elements. Leakage is in the bonnet, which eliminates “spitting”.



Champion-Arrowhead ships all Arrow-Breakers with a bright orange tag so that everyone [inspectors, plumbers and homeowners] know that there is an integrated vacuum breaker. It has to be cut off so that it stays with the product through inspection.

Arrow Breaker™ hydrants, bibs and sillcocks are manufactured in ½" and ¾" sizes with all the traditional connections including male & female IPS pipe thread, copper sweat, copper compression and PEX. Champion-Arrowhead has also added a SharkBite® connection in both ½" and ¾" sizes for Silcock and Frost Free versions of their product. Arrow Breaker™ is now available in all configurations at most distributors. If a distributor isn't handling the product, the company will provide sourcing information at 323-221-9137, or you can buy it directly at [www.arrowheadbrass.com](http://www.arrowheadbrass.com).

Champion-Arrowhead continues its long tradition of producing technologically innovative products, made in the USA, at a lower price than most imports.