

BAKER®

WATER SYSTEMS DIVISION

 **Campbell** *Monitor*®  **MONOFLEX**®
Quality, Service & Solutions

Water Well



Water Well Accessories



Filtration



Environmental



Industrial



Baker Water Systems

Why Baker?

Since 1873, Baker has been committed to supplying quality products to the water industry. Our ability to be the first to market with products such as the Pitless Unit; and our being first to bring NSF 61 Certification to those units; shows how much we value the products we make and the customers we serve.

Here are just a few reasons Baker stands out from the competition:

- 138 years experience; the longest in the industry!
With the acquisition of Campbell Manufacturing in 2008, Baker Water Systems became your complete source for residential & industrial water well, filtration and environmental products!
- Three Product Groups:
Residential Water Well (Brady, Campbell, Monitor, Martinson)
Municipal/Industrial (Monitor)
Environmental (Monoflex)
- On-site Engineering staff to develop and test products.
- Impeccable Customer Service Team. (Real people, real answers!)
- Dedicated and Experienced Sales and Marketing Team.

Choose Quality

Choose Experience

Choose Baker Water Systems

Quality Water System Products

Product Offering

WATER WELL PRODUCTS:

- Pitless Adapters
- Domestic Pitless Units
- Well Caps & Well Seals
- Tank Tees & Tank Fitting Packages
- Hydrants & Faucets
- Driven Well Equipment

WATER FILTRATION PRODUCTS:

- Filter Cartridges & Housings
- Spin Down Filters & Replacement Parts
- Specialty Filters
- Filter Parts & Installation Kits
- Metering Pumps
- Ultraviolet Disinfection Systems
- Accessories
- Maintenance & Replacement Parts

SEWAGE PUMP DISCONNECTS:

- Sewage Pump Disconnect Systems
- Sump & Sewage Accessories

ENVIRONMENTAL PRODUCTS:

- PVC Water Well Screen & Casing
- Flush Thread PVC Screen & Casing
- Flush Thread HDPE Well Screen
- Open End PVC Well Screen
- Belled End PVC Screen
- Perforated Well Screen
- Custom Slotted Well Screen
- PVC Submersible Pump Screen
- Bailers
- Centralizers
- Sparge Points
- Complete Line of PVC Fittings & Well Accessories
- Expendable Steel Points & Prepacks for Direct Push

WATER WELL ACCESSORY PRODUCTS:

- Insert Fittings - Metal
- Insert Fittings - Metal Threaded
- Insert Fittings - Plastic
- Fittings - Schedule 40
- Fittings - Compression
- Nipples & Other Fittings
- Check and Foot Valves
- Plumbing & Miscellaneous Valves
- Pump Jacks
- Hand Pumps
- At-the-Well Concept
- Miscellaneous Well Accessories

INSTALLATION & ELECTRICAL ACCESSORIES:

- Installation Accessories
- IDEAL® Clamps
- Pressure Switches
- Torque Stop
- Torque Arrestor
- Pump & Alarm Switches
- Control & Alarm Panels
- Electrical Installation Accessories

INDUSTRIAL WATER SYSTEM PRODUCTS:

- Standard Pitless Units
- Custom Pitless Units
- Protective Well Enclosures
- Turbine Pitless Units
- Pitless Boosters
- Packaged Booster Stations

Brass products are available in LEAD FREE*, please specify when inquiring.

* Contains less than 0.25% lead as required by AB1953 and NSF/ANSI 61

Baker Water Systems

Well Caps

Available for ALL well sizes!

Watertight Well Caps

- ABS
- Cast Iron
- Aluminum

Ventilated Well Caps

- ABS
- Cast Iron
- Aluminum

Turtle® Watertight Caps

- ABS
- Cast Iron

Premium Watertight Caps w/screened Air Vent

Jet Pump Caps



Well Seals



Available for well sizes 2" through 12"

Cast Iron Well Seals

- Jet
- Solid
- Split
- Blank
- Pitless

ABS Well Seals

- Solid

Quality Water System Products

Pitless Adapters

Available for well sizes 5" - 10"

Brass Slide Pitless Adapters

- Standard Brass slide adapters
Sizes 1", 1 1/4", 1 1/2" & 2"
- Lead Free Brass Slide Adapters
- Double Hole Style Pitless Adapters
- Accessory Pitless Adapters
- Check Valve Pitless Adapters



Stainless Steel Pitless Adapters



Weld-On and Clamp-On Pitless Adapters



6123BEZ Weld On Adapter

- For 4", 5", 6" I.D. & 7" O.D. wells

Snappy® Pitless Adapter

- Lead-free galvanized cast iron construction
- For 4" - 6 1/4" I.D. wells
- Fits 1" & 1 1/4" discharge & drop pipe sizes

Bulldog® Pitless Adapter

- Manufactured from lead-free brass
- For 4", 5", and 6" I.D. wells
- Fits 1" & 1 1/4" discharge & drop pipe sizes

Both the Snappy and Bulldog conform to Water Systems Council PAS-97(04) Standards.

Baker Water Systems

Domestic Pitless Units

Domestic Pitless Units are:

- Sanitary
- Frost Proof
- Economical
- Easy to Service

Types offered:

- PS Threaded Styles
- PS Kwikonect Styles
- Pressurized Units (IL code approved)
- Units for Flowing Wells
- DQ Series
- PJ Pitless for Jet pump Installations
 - PJ shallow well units for concentric piping
 - PJ single pipe deep well units for concentric piping



Sewage Pump Disconnects

Guide Rail Systems

- Lead free brass system for 1 1/4" guide rails
- ABS system for 3/4" guide rails
- Lead free brass system for 3/4" guide rails

Non-Guide Rail Systems

- Non-guide rail disconnect for shallow system
 - Lead free
 - Pump discharge of 1 1/4", 1 1/2" or 2" NPT
- Non-guide rail disconnect (pitless adapter type)
 - Pump discharge of 1 1/4" or 2" NPT
- Check valve disconnect
 - Pump discharge of 1 1/4" NPT



Accessory items also available!

Quality Water System Products

Yard Hydrants



Monitor Magnum Hydrants

- Sizes range from 1ft. to 11ft. bury depth
- Patent # 6,178,988 B1
- Easily serviceable

Campbell Frost Proof Hydrants

- Heavy Duty Yard Hydrants
 - Sizes range from 1ft. to 10ft. bury depth
- Compact Yard Hydrants
 - Sizes range from 1ft. to 10ft. bury depth
- Sanitary Yard Hydrants
 - Sizes range from 1ft. to 10ft. bury depth

Hand Pumps

Lift Pump Stands - for hand pump use (11HA)

- Recommended for shallow wells less than 25 ft
- Does not contain a sealed packing in the top of the pump; therefore, is more suitable for watering flowers or livestock than drinking water

Force Pump Stands - for Windmill, Pump Jack, or Hand Pump Use (11HD or 12HD)

- Bibb or Siphon Spout models available
- For depths to 200 ft.

Drinking Fountain Pumps

- For use in campgrounds, parks, golf courses, etc.
- 2 models available

Hand Pump Diverter*

- Allows you to pump water directly to your pressure tank during power outages

***Note: Water will not come out of hand pump**



11 HA Hand Pump

12HD Force Pump



Drinking Fountain Pump

Baker Water Systems

Insert Fittings

We offer a full range of fittings in different materials and styles!

Construction Materials offered:

- Red Brass
- Yellow Brass
- Steel
- Stainless Steel
- Nylon
- PVC

Styles offered:

- Elbows
- Male Adapters
- Female Adapters
- Union Adapters
- Rope Adapters
- Couplings
- Tees
- Reducing Adapters
- Many more!



Check and Foot Valves



Domestic Brass Check Valves

Imported Brass Check Valves

Foot Valves

- Domestic, Imported, Plastic
- Cast Iron

Brady®

- Check Valves
- Foot Valves



Flomatic®

- Check Valves
- Foot Valves

FLOMATIC® VALVES



Flo® PVC Check Valves

Jackel™ Check Valves



Quality Water System Products

Tank Tees and Crosses



Red Brass Tank Tees & Crosses
- Domestic and Import

Red Brass Union Tank Crosses

Break-Away Tank Tees

- Brass casting
- Various port sizes and positions available

Elevated Tank Tees (break-away)
- 1" and 1 1/4" sizes available

Stainless Steel Tank Tees

Pump Control Tank Tees

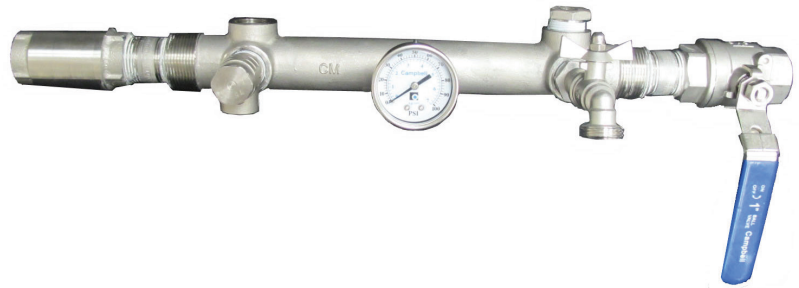
Tank Manifolds & Crosses

- Red brass tank manifold
- Constant pressure manifold
- Stainless steel manifold



Tank Fittings Packages

Baker Water Systems offers a variety of tank fitting packages. Call us with your specifications and we will design a product to fit your needs; or choose from one of our pre-assembled options.



Baker Water Systems

Pressure Switches & Electrical Accessories

Listed below are just some of the products we offer!

- Pressure Switches
 - Square D
 - All Weather
 - AWSP Model
- Mercury Pump Switches (SJE Rhombus®)
- Mechanical Pump Switches & Alarm Systems (SJE Rhombus®)
- Control and Alarm Panels (SJE Rhombus®)
- Heat Shrink Splice Kits
- Heat Shrink Tubes
- Cable Guards
- Lightning Arrestor
- Surge Arrestor
- Wire Nuts
- Butt Connectors
- Electrical Tape
- Ideal® Clamps



Installation & Well Accessories

Installation and Well Accessories



- Torque Arrestor
- Safety Rope
- Pressure Gauges
- Air Volume Controls
- Pipe Puller
- Pipe Holder
- Pipe Elevators
- Relief Valves
- Welding & Swagged Nipples
- At-the-Well Control Kits
- Pitless Connector
- And more

Quality Water System Products

Filter housings



Plastic Filter Housings

- Heavy Duty
- Standard
- Valve-in-Head
- Compact
- Large Capacity
- Under Sink
- Counter Top
- Economy

Stainless Steel Filter Housings

- Harmsco Hurricane™ Filter Housings
- Harmsco Multi-Tube Filter Housings (wing nut lid)
- Stainless Steel Filter Housings

Filter Cartridges and Systems

Sediment Filters & Cartridges

Taste & Odor Filters & Cartridges

- Disposable filters

Special Application Filters & Cartridges

Reverse Osmosis Systems

Pleated Cartridges

Rusco Spin-Down™ Sediment Filters

Rusco Spin-Down™ Sediment Trapper Filters

Rusco Specialty Filters & Flush Valves



Baker Water Systems

Industrial Pitless Units

Not all pitless units are created equal

Why the Baker Pitless Unit?

- ◆ FIRST and ONLY unit to carry full NSF 61 Certification for use in potable water applications.
- ◆ Lead-free galvanization allows for better corrosion resistance.
- ◆ Continuously machined solid surface o-ring seats eliminate crevice corrosion.
 - Dis-similar metals should be avoided.
- ◆ Domed water-tight cap with stainless hardware prevents surface water contamination and eliminates snow build-up.
- ◆ On-site engineering staff allows for customized CAD drawings to meet your specifications.
- ◆ 138 years experience in the water industry!

**NOW
NSF 61
CERTIFIED**



Not all pitless units compare equally, especially when you compare Baker's industrial pitless to the rest on the market. Product for product, feature for feature, no one matches Baker. Baker Water Systems is proud to be the first manufacturer to offer the full NSF 61 certification on all of our industrial pitless units; keeping with our tradition of providing quality products, impeccable service, and solutions for your business.

Stay ahead of the curve on State and National regulations by choosing the NSF 61 Certified pitless units from Baker!

Quality Water System Products

Pitless Booster Stations

**NSF 61
CERTIFIED**



Monitor[®] Booster Pump Stations are designed to eliminate the “well house” and “well pit” providing significantly reduced installation cost, less environmental impact and a lower overall carbon footprint.

In-Line Pitless Booster

Our In-Line Pitless Booster is a unique piece of equipment for housing a submersible pump. Access to the pump and motor is achieved by removing the seal cap, loosening the hold-down assembly, and lifting the inner assembly (lift-out bail, spool, and submersible pump).

There is no confined space entry as the unit is completely serviceable from above grade. (Eliminates OSHA safety requirements) The motor is located below grade therefore, motor noise is virtually eliminated.

Key Features & Benefits:

- High Efficiency Spool design. (Patent Pending)
 - Reduces operating costs.
- ANSI/NSF-61 Certified Submersible Pump.
 - Available for Potable Water applications.
- Available completely assembled, pre-packaged and factory tested.
 - Easy to install; assures long term reliable operation.
- UL 508a approved Control Panel with PLC/VFD & custom Ladder Logic Control Software for better overall performance.
 - Easy SCADA interface.
- Highly efficient, Submersible Vertical Turbine Pump design.
 - Reduced chance of damage due to weather or vandalism, improved security.
- No requirement for shaft stabilization, alignment or lubrication.
 - Reduced maintenance, fewer moving parts, less inventory.
- Fewer overall materials.
 - Lower operating cost, less maintenance.

Baker Water Systems

Monoflex Environmental

Quality well screen and sampling equipment from the leading manufacturer of groundwater monitoring products since 1973

Products:

- ◆ PVC Water Well Screen & Casing
- ◆ Flush Thread PVC Screen & Casing
- ◆ Flush Thread HDPE Well Screen
- ◆ Open End PVC Well Screen
- ◆ Belled End PVC Screen
- ◆ Perforated Well Screen
- ◆ Custom Slotted Well Screen
- ◆ PVC Submersible Pump Screen
- ◆ Petroleum Observation Well Screen
- ◆ Bailers
- ◆ Centralizers
- ◆ Sparge Points
- ◆ Expendable Steel Points & Prepacks for Direct Push
- ◆ Complete Line of PVC Fittings & Well Accessories



Applications:

- ◆ Environmental Testing/Monitoring
- ◆ Environmental Engineering/Remediation
- ◆ Water Wells up to 24"
- ◆ Irrigation
- ◆ Horizontal Drilling
- ◆ Custom Applications

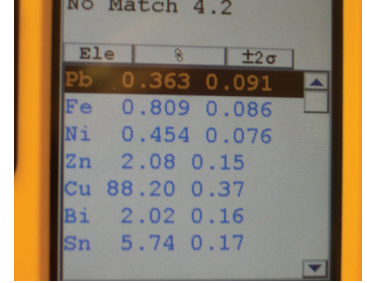
Monoflex: 800-257-5183

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Quality Water System Products

Value Added Services

Quality tested products? YOU BET!



Ele	%	±2σ
Pb	0.363	0.091
Fe	0.809	0.086
Ni	0.454	0.076
Zn	2.08	0.15
Cu	88.20	0.37
Bi	2.02	0.16
Sn	5.74	0.17

Pictured left to right: 1. A Baker employee uses a CMM (coordinate measuring machine) to verify parts are manufactured to print. 2. A test stand is set up to run a quality test on an imported pressure switch. 3. The Plant Manager of Campbell is performing a quality test on our lead free brass slide adapter using the Thermo Niton XRF Analyzer. The Niton XRF Analyzer is able to determine the lead content of the part to ensure it is lead free compliant! In addition, the employees who conduct the tests using this piece of equipment are all professionally trained on how it works. 4. The image the gun displays shows the material makeup of the part.

Baker Water Systems has been producing products for the Water Systems Industry since 1873. In addition Baker offers the following:

- ◆ 5 Engineers on Staff
- ◆ Quality Control
- ◆ On-site testing facilities

“ The bitterness of poor quality remains long after the sweetness of low prices.”

Know that when you choose Baker Water Systems for your product needs you are getting products that are tested, tried and true. We stand behind our products so you can be confident when you leave the job site.



Quality, Service & Solutions

If you have any questions or to place an order please contact one of the offices below:

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