

Bringing Water to the World



G. Ruffner Page, Jr.
President



Phillip McWane
Chairman of the Board

The McWane Way

At McWane, we believe in doing the right thing even when it is not the easiest or least expensive. We believe in protecting the health and safety of our employees and embracing our duty to be good stewards of our environment.

We believe this is a path that will take our company to the highest level of corporate responsibility.

Founded in 1921, McWane, Inc. is a family owned business based in Birmingham, AL. USA with 14 iron foundries and related business across the world.

McWane traces its roots to the daring and ingenuity of a family that lived in the Blue Ridge Mountains of Virginia. Charles Phillip McWane entered the foundry business in 1871. His sons, Henry and James Ransom (J.R.) managed various parts of the family business. In 1921, McWane began a new venture, the McWane Cast Iron Pipe Company.

Today, the 6,000 men and women who make up our team at McWane, Inc. are proud of the products that we make and the manner in which we make them. As our founder, J.R. McWane, stated in 1921, "the most satisfactory result is the promotion of teamwork and the spirit of cooperation." Putting that philosophy into practice, together we have built our company into an industry leader in quality, efficiency, workplace safety, environmental stewardship, and community involvement.

We take great pride in the way we do business here at McWane. For more than 90 years, we've helped sustain communities by providing thousands of good manufacturing jobs with outstanding benefits. We have a long history of philanthropy and involvement in the communities where we live and work.

The idea of sustainability is one that McWane supports on a daily basis. Our products are made from post-consumer materials and are recyclable at the end of their useful life. In fact, we recycle more than 750,000 tons of scrap iron each year, which is equal to 800,000 cars. That's efficiency for today and sustainability for tomorrow.

McWane's role as one of the world's most important suppliers of waterworks products is based on the fulfillment of our responsibilities to our employees, our communities and our customers. We pledge to continue to improve team member safety, keep our communities clean and produce high-quality products for the cities and towns that use them.

McWane International was established in 1992 to coordinate the international sales activities of McWane Inc.'s manufacturing divisions across U.S., Canada, Australia, and China. Previously these activities were conducted by each individual unit. However the growth of the company during the last two decades required more attention focused outside the USA and McWane International was formed for this purpose.

McWane companies have supplied waterworks products to North America, Central America, South America, the Caribbean, Europe, the Middle East, Africa, Asia including China, and the Pacific Islands.

MCWANE MANUFACTURING GROUPS

- Ductile Iron Pipe
- Valve and Hydrant
- Plumbing
- Water Works Fittings
- Steel Fabrication - Fire Extinguishers, Pressurized Tanks & Fire Suppression Systems
- McWane Technology
- McWane Global



DUCTILE IRON PIPES, POLES & FITTINGS



McWane, Inc.'s name has a long association with ductile and cast iron pipe, a product that has been made by us for more than one century.

Though McWane, Inc. started with gray iron pipes cast in traditional ways, it has long since upgraded to ductile iron and modern centrifugal casting methods, the new standard for modern water, wastewater and industrial systems.

Ductile iron pipe retains many of cast iron pipe's desirable qualities, such as corrosion resistance, a necessity for water and sewage systems and machinability, which makes it ideal for field modifications. In addition, ductile iron pipe surpasses its competitors in terms of durability, strength and ductility and is lighter and more cost-effective than cast iron. As a result, ductile iron maintains a maximum margin of safety against service failures and provides a durable and reliable solution for utility systems.

Ductile iron pipes are normally lined with cement mortar, providing outstanding durability and corrosion resistance. For industrial chemicals or other aggressive solutions, the McWane, Inc. family of foundries offers ceramic epoxy linings, such as Protecto 401. With various lining options and sizes ranging from 3 inches to 36 inches or more, ductile iron pipes afford solutions for transporting potable and waste water and industrial chemicals with easy installation and minimum maintenance.

McWane also manufactures Ductile Iron Poles with engineered strength, dimensional consistency, and natural corrosion resistance, McWane Ductile Iron Poles are with light weight and easy to transport and install. Additionally, these poles are truly a green product made from recycled material and are 100% recyclable. Our ductile iron poles have a service life of 75 years, outlasting both steel and wood. Our durable, eco-friendly poles are a ground breaking alternative to conventional distribution poles like concrete, steel or wood.

DUCTILE IRON PIPE & FITTINGS

- McWane Ductile, Ohio
- McWane Ductile, Utah
- McWane Ductile, Coshocton
- Canada Pipe Company
- McWane Cast Iron Pipe Company
- McWane Gulf
- Tyler Union Foundry
- Tyler Xian Xian Foundry

DUCTILE IRON POLE FACILITIES

- McWane Ductile, Ohio



FIRE HYDRANTS



McWane, Inc.'s facilities manufacture a complete line of hydrants for fire protection systems. Hydrants are available with approvals required for individual market demands.

Each McWane facility in this group has operated for more than 100 years, making us one of the most experienced producers in the market.

The McWane manufacturing range consists of Dry Barrel Hydrants, Wet Barrel Hydrants, Flush Hydrants as well as Industrial Fire Hydrants with Monitors. McWane Brands are engineered to give life long, maximum performance. Its design features simplify installation and maintenance and trouble free operation and economy.

Fire safety is a continuing theme throughout McWane, Inc.'s products, as several subsidiaries offer the widest range of municipal and industrial fire hydrants in the industry. M&H Valve Company, Clow Valve Company, Clow Canada and Kennedy Valve produce wet and dry barrel hydrants with traffic-safe break-away mountings and easy-to-maintain internal workings. They also continue to support existing lines of hydrants by either continuing production of hydrants workings or providing for retrofitting of the working parts. Hydrants range in size and capacity from small plugs and flush-mounted hydrants used for washing down industrial areas to fire hydrants delivering water at pressures up to 250 psi.

McWane Fire hydrants units like Kennedy has established itself as a leader in the industry with manufacturing experience dating back to 1905, prior to AWWA C502 which was developed in 1913 as a standard for the manufacture and use of dry barrel hydrants. McWane Group is the largest manufacturer of Pillar Fire Hydrants in USA today.

With a diverse roster of products widely specified by engineers and operators, McWane, Inc. facilities are capable of providing solutions for virtually any need. In addition, McWane, Inc. products includes some of the efficient and dependable valves and hydrants in the industry. McWane, Inc. foundries feature hydrants that are listed in both Underwriters Laboratory and Associated Factory Mutual Companies.

FIRE HYDRANT FACILITIES

- Clow Canada
- Clow Corona
- Clow Valve
- Kennedy Valve
- M&H Valve



VALVES



McWane manufactures a wide range of valve products for fire water, potable water, wastewater and sewage applications. The valves are available in cast/ductile iron construction with different internal to meet various end user demands.

The valves manufactured by McWane, Inc. facilities are designed to meet particularly any need. Ranging from in- ground valves suitable for home water service to large industrial grade valves. Our plants produce an endless variety of valve configurations. The range consists of Gate, Butterfly, Check Valves, Air Valves, Plug, Check Valves, Flap Valves etc. We also manufactures special engineered valves like Rotating Disc Gate valves with sizes ranging from 3" to 108".

McWane valves are designed to meet or exceed quality level expected by the customers. Our valves are manufactured in modern factories and most of the factories have their own casting facilities. McWane have invested latest technology, machines and manpower for developing new range of products to suit various services from potable water to corrosive applications. Valves are manufactured as required to AWWA • ULFM • NFPA • ANSI • ASTM • NSF • ISO standards

McWane valve manufacturing units Clow, Kennedy and M&H have their own foundry sections enabling them to control the quality and delivery to the required levels. The plants are equipped with latest CNC machines for accurate production control. The fusion bond epoxy coating is available inhouse with various coating thickness to meet various client demands.

McWane valve manufacturing units have supplied thousands of valves to various American Water works projects and private, municipal, and industrial water and wastewater treatment plants throughout the world.

McWane is currently expanding the production and sales of our fittings, valve, hydrant, and plumbing products into new markets, led by the construction of a new plant in Abu Dhabi. McWane Gulf will produce water and sewer products to international specifications.

VALVE FACILITIES

- Kennedy Valves
- Clow Valves
- M&H Valves
- McWane Gulf



American R/D



PLUMBING, SOIL PIPE, FITTINGS & WADE DRAINS



PIPE & COUPLING

McWane, Inc. facilities lead the way in transporting wastewater with cast iron soil pipe and soil fittings.

Cast iron soil pipe and fittings offer advantages such as strength, corrosion resistance and noise reduction that can't be found in any other commercial piping. Iron pipes are strong enough to lay beneath foundations and resistant to expansion and contraction caused by extreme temperatures. Cast iron pipes are also much quieter, muffling the noise from rushing wastewater more effectively than other options. Iron pipes also possess superior fire safety qualities - since they cannot burn, they do not produce toxic smoke in fires as some other products do, and they can be passed safely through firewalls.

With a foundry in Texas and a couplings plant in Missouri, Tyler Pipe represents a significant presence in the cast iron soil pipe and couplings industries. Similar products are also manufactured by Bibby companies through two foundries located in Quebec, Canada.

Plumbing couplings are also made by Anaco who operates out of McWane's Clow Valve facility in Corona, and Tyler Pipe's Coupling division is located in Marshfield. McWane's AB&I Foundry is the largest manufacturer of cast iron soil pipe and fittings in the Western United States, and also has a custom casting division.

Located in Texas, WADE provides specification drain products to the plumbing industry and has been in business for 140 years.

With high ring crushing loads, iron pipes can be buried or encased in concrete for decades of trouble-free service. Iron soil pipe is also easy to install in several configurations. "Hubless" pipes are butt-joined with stainless couplers, which help reduce noise transmission for mounting within walls or between floors. Hub-and-spigot couplings use rubber compression gasket such as Tyler Pipe Company's TY-SEAL gasket, which was introduced in 1961.

SOIL PIPE & FITTINGS FACILITIES

- AB&I
- Anaco
- Bibby La Perle
- Bibby-Ste-Croix
- McWane Gulf
- Tyler Penn
- Tyler Pipe & Coupling
- Union Foundry Company
- Wade



AMEREX, FIRE FIGHTING & MANCHESTER TANK



McWane, Inc.'s Steel Fabrication Group is comprised of its pressurized tank and fire extinguisher and fire suppression operations.

Amerex Corporation is recognized worldwide as a leader in the industry, has manufactured quality and innovative commercial-grade portable fire extinguishers and fire-suppression systems for more than 30 years. Our commitment to innovation is evidenced by products such as its Water Mist Fire Extinguisher, which safely and effectively extinguishes Class A fires where Class C hazards exist.

Amerex produces everything from ABC-rated multipurpose extinguishers, through K-rated kitchen extinguishers up to FAA-approved "clean-agent" halotron extinguishers suitable for use in environments with sensitive electronic equipment such as airplane cockpits. Amerex also produces technologically-advanced gas-detection systems and fire-suppression systems for industries, commercial kitchens and commercial vehicles.

Janus Fire safety systems manufactures fire suppression systems with Foam, Carbon Dioxide and special fluids. Janus also makes fire alarm control panels and offers related services.

Solberg is a one-stop resource for fire fighting foam concentrates and custom-designed foam suppression systems hardware. With a unique offering of both traditional fire fighting foam concentrates and environmentally sustainable fluorosurfactant and fluoropolymer-free foam concentrates, Solberg leads the industry in fire fighting foam innovation Solberg has grown steadily over the past thirty years, focused first on Europe, then expanding into the Asia Pacific Region. Today, Solberg has the expertise, capabilities and resources to serve the fire protection and fire fighting industry throughout the world and is a proud member of McWane Inc.

Manchester Tank & Equipment in North America and Australia, produces a complete line of low-pressure vessels for propane, air, refrigerant and industrial applications. Manchester is the benchmark for quality and dependability in the industry. Its products are centered around the LP gas, recreational vehicle and gas grill industries and meet DOT and ASME requirements.

STEEL FABRICATION AND FOAM FACILITIES

- Amerex
- Manchester Tank & Equipment
- Solberg
- Janus





McWane is committed to protecting the health and safety of our employees and protecting the environment for generations.

Committed to Safety

At McWane, we're continually reviewing and improving our safety standards. Because people are our most important resource, we take safety seriously. Our aggressive safety initiatives are based on the following:

- Education - Hundreds of McWane employees receive extensive health and safety education at our own McWane University. At McWane University, employees learn the latest safety procedures and standards from the experts in the field.
- Technology - Our advanced software program tracks and monitors occupational health and safety information. With it, all McWane facilities track injury and illness treatments, incidents investigations results, corrective actions, employee audiometric testing and safety training; trends are automatically analyzed and available for study. In addition, McWane's Health and Safety Web site contains information about all of the company's health and safety requirements, many of which are more aggressive than OSHA's.

Committed to the Environment

Because McWane is committed to environmental excellence, we place recycling at the core of our business. Many of our products are recyclable and are made from recycled materials. In fact, McWane recycles more than 750,000 tons of scrap steel each year, or the equivalent of 800,000 cars per year.

Since 1997 McWane has invested more than \$70.0 million to improve environmental performance, environmental technologies and modern infrastructure.

EHS Policy & Management System

We are committed to achieving the highest standards for health and safety in each of these facilities through the use of innovative programs that meet or exceed federal and state regulations. At the cornerstone of McWane's Environmental, Health and Safety program is a comprehensive Environmental, Health, and Safety (EHS) Management System based on ISO 14001 (an environmental management standard developed by the International Organization for Standardization), the proposed ISO 18000 standard, and OSHA's Safety Management Guidelines. This management system, coupled with the McWane Way philosophy of "Do It Safely, or Not At All" provides the directional emphasis for a culture of safety excellence at each of our facilities.

McWane's role as one of the world's most important suppliers of pipe, valves, and hydrants is based on the fulfillment of our responsibilities to our employees, our communities, and our customers. We have continued to improve employee worker safety, to keep clean the communities we work in, and to produce first-rate products for the cities and towns that use them, and will do so in the future.









ALL MCWANE FACILITIES HAVE IMPLEMENTED ENVIRONMENTAL PRACTICES THAT IN MANY INSTANCES EXCEED U.S. STANDARDS AND THAT ARE UNSURPASSED IN THEIR RESPECTIVE INDUSTRIES.

PRODUCT RANGE at a GLANCE

Pipe, Fittings, Valves & Hydrants

Through these McWane Inc family of companies, we are able to offer the following products:

Ductile Iron Pipe, Fittings & Restraints

PRODUCTS*						
Tyton Joint Pipe/ Fastite Joint Pipe	x	x				
Mechanical Joint pipe	x	x				
Ball & Socket pipe (River Crossing)	x	x				
Flanged / Fabricated pipe	x					
Long Span pipe (for pipe on supports)	x					
Poles Ductile Iron			x			
Fittings	x			x	x	x
Restraints: MJ Field Lok®	x	x		x	x	
Restraints: SuperLock	x					
Restraints: SureStop / Thurstlock Joint Restraint®	x	x				
Restraints: TuffGrip™	x	x		x	x	
Coatings: (polywrap AWWA c105, Ceramawrap)	x	x				
Linings: Protecto 401™	x	x				

Manufactured as required to AWWA ♦ ULFM ♦ NFPA ♦ ANSI ♦ ASTM ♦ NSF ♦ ISO

*Product size varies by manufacturer (3" - 36")

**Diameters through 2600mm are available upon request

Water / Waste Water Valves / Hydrants





PRODUCTS*				
Butterfly Valves	x	x	x	x
Check Valves	x	x	x	x
Gate Valves –Resilient Seated	x	x	x	x
Gate Valves – Metal Seated	x			
Air Valves	x			x
Plug Valves	x	x	x	
Flap Valves	x	x	x	
Tapping Sleeves	x	x	x	
UL/FM	x	x	x	
Fire Hydrants	x	x	x	x

Manufactured as required to AWWA ♦ ULFM ♦ NFPA ♦ ANSI ♦ ASTM ♦ NSF ♦ ISO

*Product size varies by manufacturer and model (2" - 96")

**Valves furnished with Flange, Mechanical Joint (MJ) or Tyton/Pushon Joint outlet configuration

Cast Iron Soil Pipe, Fittings / Drainage Products

PRODUCTS*					
No Hub Pipe & Fittings	x	x	x		x
SV Hub and Spigot Pipe & Fittings	x	x	x		
Couplings / Gaskets	x	x	x		
Valve Boxes	x	x			
Drainage Products	x	x	x	x	x
Interceptors				x	
Cleanouts				x	x
Shokstops				x	x

Manufactured as required to AWWA ♦ ANSI ♦ ASTM ♦ NSF ♦ ISO

*Product size varies by manufacturer



McWane Worldwide

USA

AB&I Foundry
7825 San Leandro Street
Oakland, CA 94621

AMEREX Corporation
7595 Gadsden Highway
Trussville, AL 35173

Anaco Inc.
1001 El Camino Avenue
Corona, CA 92879 -1704

Clow Valve Corona
1375 Magnolia Avenue
Corona, CA 92879

Clow Valve
902 South Second Street
Oskaloosa, IA 52577

Janus Fire Systems
1102 Rupcich Drive
Millennium Park
Crown Point IN 46307

Kennedy Valve
1021 East Water Street
Elmira, NY 14902

M & H Valve
605 West 23rd Street
Anniston, AL 36201

Manchester Tank & Equipment
3400 Wismann Lane
Quincy, IL 62301

Manchester Tank & Equipment
905 X Street
Bedford, IN 47421

Manchester Tank & Equipment
1383 Industrial Boulevard
Crossville, TN 38555

McWane Ductile
1401 East 2000 South
Provo, UT 84606

McWane Ductile
183 Sitgraves Street
Phillipsburg, NJ 08865

McWane Ductile
2266 South 6th Street
Coshocton, OH 43812

Tyler Pipe
Hwy 69 North
Tyler, Texas, TX 75706

Union Foundry Company
1501 West 17th Street
Anniston, AL 36202

Wade
Hwy 69 North
Tyler, TX 75706

Australia

Manchester Tank & Equipment
21 McMillan Road
Echuca, Victoria 3564

Solberg Asia Pacific PTY LTD
3 Charles Street
St. Mary's NSW 2760 Australia

Canada

Clow Canada
245 Industrial Drive
Grandview Industrial Park
St. John, NB E2R 1A4

BibbySte-Croix
6200 Rue Principale
Sainte-Croix, QC G0S 2H0

China

Tyler Xian Xian
Ghuozhong Town Xianxian
Hebei Province 062255, PRC

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