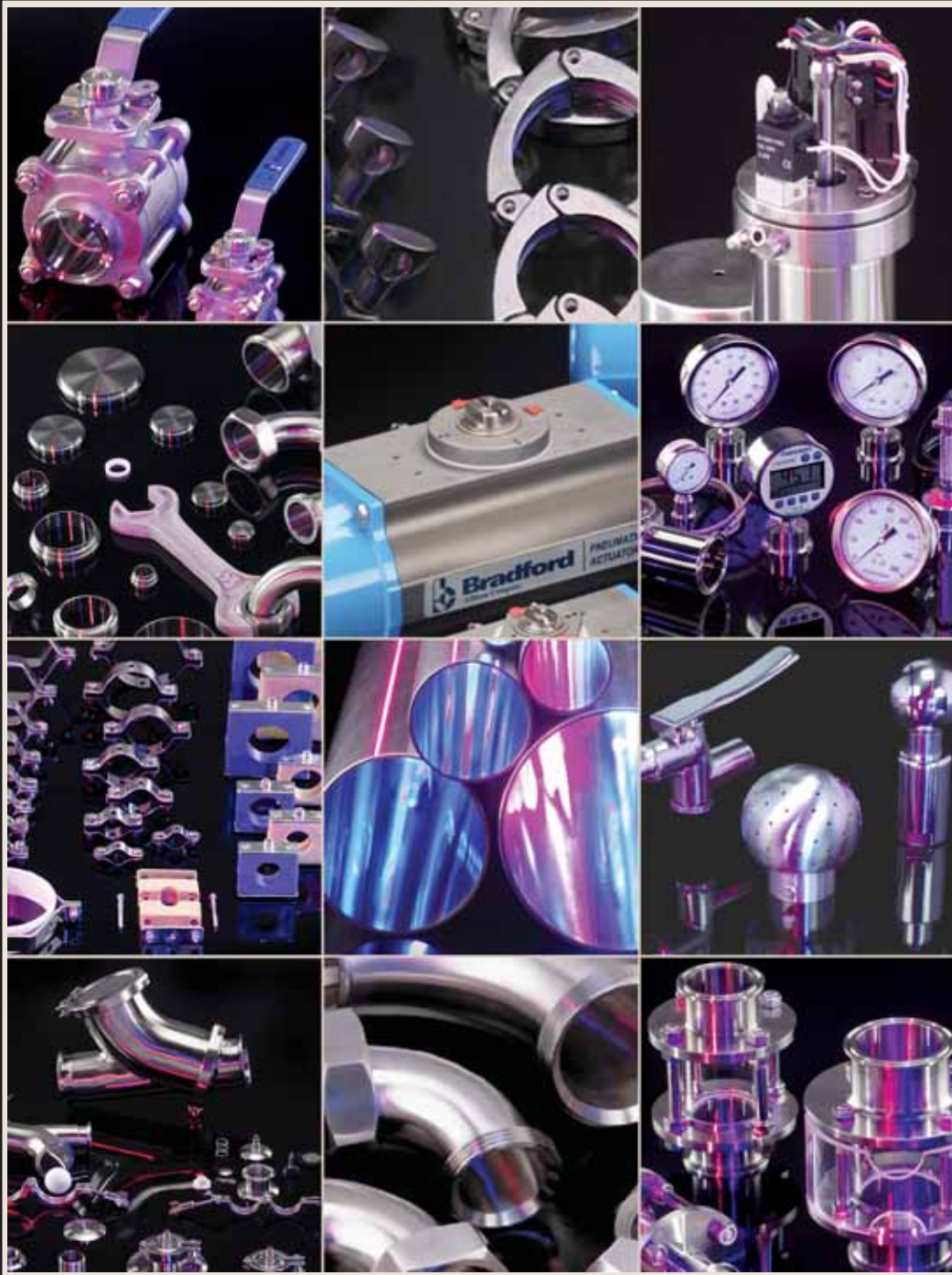




The Right Connection™




Dixon Sanitary

Featuring **Bradford**™ Fittings and Valves

Distributed By:

Dixon Sanitary

Your 'backyard' source for fittings and valves

The  Sanitary Standard was created by the dairy industry as a voluntary benchmark for product performance and sanitary safety. The standard, collaboratively developed by a group of processors, suppliers, regulatory officials and sanitation specialists, is generally accepted by federal, state and local regulatory authorities. Our products have earned the symbol, which requires an annual assessment to make certain each product conforms in all respects to the published standard. Bradford™ clamp fittings carrying the symbol conform to the sanitary standards for fittings for milk and milk products (#63-03). Dixon Sanitary is proud to be a participant in the program.



Clamp Fittings

The Clamp Fitting system consists of two grooved ferrules, a sanitary gasket, and a clamp which create a leakproof connection.

- sizes ½" - 12"
- material: 304 and 316L stainless (heavy tank ferrules meet SA-479 specifications)
- other exotic stainless steel alloys are available



Schedule 5 and 10 Fittings

The Schedule 5 and 10 system consists of two grooved ferrules, a special gasket, and a clamp (for gasket compression) which create a leak-proof connection.

- sizes 1" - 4"
- material: 304 and 316L stainless
- configurations: butt weld, clamp



Bevel Seat Fittings

The Bevel Seat system requires plain and threaded connectors and a hex nut to create a leak-proof, metal-to-metal connection.

- sizes 1" - 4"
- material: 304 and 316L stainless

John Perry Fittings

John Perry assemblies require a hex nut, threaded and plain connectors and a gasket to create a leakproof connection.

- configurations: long, short, hose barb, tygon hose adapter, elbows, tees and reducers
- sizes 1" - 4"
- material: 304 and 316L stainless steel
- uses the same hex nut and wrench as the bevel seat connection



I-Line Fittings

I-line clamp assemblies require a male and female ferrule, a gasket and a clamp. Designed for clean-in-place (CIP) operations common in beverage plants, soup plants and wineries.

- designed to fit the special shape of the I-line ferrules, the clamp compresses the gasket to form a connection
- sizes 1" - 8"
- material: 304 and 316L stainless steel
- 1½" - 2" squeeze clamps are available
- elbows, tees and reducers made to order



Q-Line Fittings

Q-line assemblies require two ferrules, one gasket and a clamp. Designed to fit the special shape of the Q-line ferrules, the clamp compresses the gasket to form a connection.

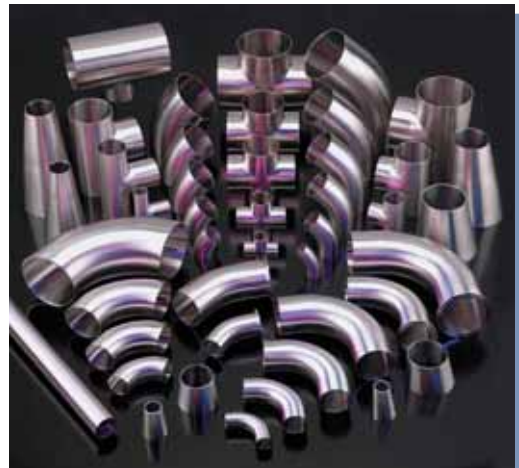
- sizes 1" - 4"
- material: 304 and 316L stainless steel
- uses standard or bolted I-line clamp
- 1½" - 2" squeeze clamps are available



Buttweld Fittings

Sanitary buttweld fittings are used in the assembly of permanent systems that do not require breakdown for service or cleaning. Our tight design tolerances ensure an easy assembly.

- sizes ½" - 12"
- material: 304 and 316L stainless steel
- finish: polished ID, OD, unpolished (mill)





Tube OD Fittings

Used in non-sanitary applications to assemble permanent systems that do not require breakdown for service or cleaning. Our tight design tolerances ensure an easy assembly.

- sizes ½" - 12"
- material: 304 and 316L stainless steel
- finish: unpolished



Tube Hangers

Hex, round and block hangers are offered for use in a variety of applications.

- sizes ½" - 8" (availability depends on hanger style)
- material: 304 stainless steel
insert material: nitrile, ABS sleeve, Viton®, polypropylene and FDA approved santoprene
- a variety of couplers are offered for threaded rod or pipe



Custom Fabrications

Dixon Sanitary offers custom fabricated parts - no order is too small. We have CAD capabilities and experienced machinists, welders and polishers.

- material: 304 and 316L stainless steel, other exotic stainless steel alloys are available



Gauges

Ashcroft® sanitary gauges, instrument tees and transducers are all available from Dixon Sanitary.

- sizes ½" - 2", lower or back mounting
- materials: 316 stainless steel Bourdon tube, food grade glycerin or silicone, shatterproof glass
- True Zero™ pointer
- PowerFlex™ movement

Sight Glass

Dixon Sanitary offers Bradford™ sight glasses made from high temperature borosilicate Pyrex® glass.

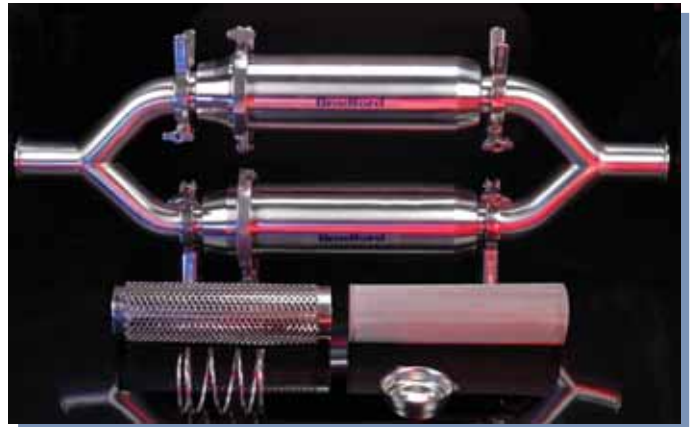
- end configurations: clamp, weld, bevel seat, John Perry, I-Line and Q-Line
- acrylic shield sight glasses are available in 1" - 6"
- protective shields are available on some units
- material: 316L stainless steel, acrylic



Filter / Strainer

Dixon Sanitary offers Bradford™ filter/strainers that remove particles from liquid or gas using a disposable medium. When used as a strainer, larger particles can be removed from these same liquids and gases.

- 1" and 2" units are equipped with a Bradford™ patented squeeze clamp to hold the outlet and inlet together
- sizes 1" - 3"
- material: 316L stainless steel
- a variety of filter and strainer medias are available
- end configurations: clamp, John Perry, Q-line, bevel seat, I-line, butt weld



Polished A270 Tubing

ASTM-A270-02 welded austenitic stainless steel sanitary tubing. Ovality cannot exceed the OD range.

- sizes ½" - 10"
- polished ID / OD
- dual grade stainless 304 / 304L, 316 / 316L
- 20' minimum length



Unpolished A269 Tubing

ASTM-A269-02 welded austenitic stainless steel sanitary tubing is used in general service.

- sizes ½" - 4"
- unpolished
- dual grade stainless 304 / 304L, 316 / 316L
- 20' minimum length





Miscellaneous

Dixon Sanitary offers an assortment of Bradford™ stainless steel parts for the processing industry.

- materials: 304 stainless steel
- rotating and stationary spray balls:
 - sizes $\frac{3}{4}$ " - $1\frac{1}{2}$ "
 - connections: clamp, NPT
- topping guns for barrel filling



Hose, Couplers and Assemblies

Lengths of stainless steel hose, crimp type fittings or a complete hose assembly, Dixon Sanitary is committed to do what it takes to meet your requirements.

- PTFE smooth bore and convoluted stainless steel hose assemblies are custom made to any length, a variety of end options are available
- clamp end crimp fittings for silicone hose, rubber hose or other food grade hose are available



mesh



perforated

Gaskets

- certified to:
 - US Pharmacopoeia Class VI-XXII, Cytotoxicity Criteria Title 21CFR177.2600 and .1550 USDA and 3A sanitary standards
- sizes $\frac{1}{2}$ " - 12"
- elastomers: nitrile (buna N), silicone (peroxide cured/platinum aired), EPDM, Viton® and Teflon®
- styles: clamp, schedule 5 and 10, I-line, bevel seat, John Perry, Q-line, perforated metal, mesh



Classroom on Wheels

The Dixon mobile training trailer provides hands-on opportunities for distributors and end users to learn more about the selection, installation and maintenance of industrial and sanitary fittings, valves and accessories.

Ball Valves

Dixon Sanitary offers a wide selection of Bradford™ ball valves with an assortment of end connections.

- sizes ½" - 4"
- type: 2, 3, or 4-way valve, with or without cavity fillers
- seat material: virgin PTFE, fiberglass reinforced PTFE, carbon reinforced PTFE, stainless steel PTFE and UHMW polyethylene
- valves can be customized with butt weld, bevel seat, I-line, Q-line or John Perry ends



Butterfly Valves

Dixon Sanitary offers a wide selection of butterfly valves.

- sizes 1" - 8"
- valves can be customized with butt weld, bevel seat, I-line, Q-line or John Perry ends
- seat material: silicone, EPDM, Viton®
- handle: 4 position pull, 12 position trigger, infinite position, clockwise push, counter clockwise push



Check Valves

Dixon Sanitary Check Valves are used for sanitary and industrial applications to prevent backflow. Bradford™ check valves feature quick disconnect clamp ends for clean-in-place (CIP) service.

- sizes 1" - 4"
- type: spring, Y ball, air blow
- valves can be customized with butt weld, bevel seat, I-line, Q-line or John Perry ends



Sample Valves

Dixon Sanitary offers sample valves for use in processing systems.

- sizes ½" - 4"
- type: winery, in-line, angle
- material: 304 and 316L stainless steel
- ends available: clamp, butt weld, NPT
- seat material: silicone, Viton®





Valve Automation

Dixon Sanitary offers in-house valve automation from our Pewaukee, Wisconsin facility. Our trained staff will guide you through the most difficult automation packages to produce a workable quality product. Standard automation packages can ship within 24 hours.

Stainless Steel Actuation

Dixon Sanitary can actuate all butterfly valves and ball valves with Bradford™ stainless steel actuators. Our professionally trained specialists assemble and test each automation package to guarantee its performance in the field. We also individually foam pack each package to ensure they arrive in perfect condition. Most standard orders can be shipped within 24 hours from our Wisconsin Valve Automation Department.

- styles include:
 - vertical with a non-rising stem
 - vertical with a rising stem to be used with the Bradford™ control top
 - horizontal rack and pinion
- size range 40 inch pounds to 27,000 inch pounds
- available in:
 - air to open / air to close (ATO/ATC)
 - air to open / spring to close (ATO/STC)
 - spring to open / air to close (STO/ATC)
- 100% factory tested to 1 million cycles
- backed by a one year manufacturer's warranty



Aluminum Actuation

Dixon Sanitary can actuate all butterfly valves and ball valves with Bradford™ aluminum rack and pinion actuators. Our professionally trained specialists assemble and test each automation package to guarantee its performance in the field. We also individually foam pack each package to ensure they arrive in perfect condition. Most standard orders can be shipped within 24 hours from our Wisconsin Valve Automation Department.

- size range: 40 inch pounds to 27,000 inch pounds
- light weight extruded aluminum housing
- nickel plated anti-blow out pinion
- dual limit stops
- direct mount on various ISO style valves
- twin rack and pinion design for consistent torque output
- pre-lubricated for life of actuator
- available in:
 - air to open / air to close (ATO/ATC)
 - air to open / spring to close (ATO/STC)
 - spring to open / air to close (STO/ATC)
- 100% factory tested to 1 million cycles
- backed by a one year manufacturer's warranty



Electric Actuation

Bradford™'s electric actuators are designed for longevity and efficiency at a competitive price. They conform to CSA-C for outdoor usage. We can actuate all butterfly valves and ball valves with our quarter turn electric actuators. All of our actuated valves ship directly from Dixon Sanitary's Valve Automation Department in Wisconsin.

- size range: 450 inch pounds to 3,500 inch pounds
- dry powder coated aluminum alloy, Nema 4 and 4X waterproof, dustproof enclosure
- extended duty cycle induction motor
- built in thermal protection prevents motor burn out
- Non-clutch design allows manual operation in a power outage, equipped with a fail-safe that prohibits manual operation when electric motor is operating
- high alloy steel gear train provides self-locking function to avoid valve back drive
- gear train is lubricated with anti-high temperature lubricant which reduces maintenance



Actuation Accessories

Dixon Sanitary offers many different accessories to complete your automation valve package. We stand behind our solenoids, positioners, and limit switches with a one year manufacturer's warranty. Professionally trained specialists assemble and test each accessory to guarantee their performance in the field.

- accessory offerings:
 - limit switches for pneumatic actuators
 - NAMUR mount solenoid valves
 - pneumatic positioners
 - electro-pneumatic positioners
 - remote indication on manual valves



Dixon Sanitary

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The Right Connection™

Through its divisions and affiliated companies, Dixon is recognized as the premier manufacturer and supplier of hose fittings and accessories spanning a wide range of industrial uses. Dixon's reach includes products for fire protection, food, dairy processing, beverage and brewery, mobile tankers, mining, construction, chemical processing, petroleum, oilfields, refining, nuclear and manufacturing.