



# Waukesha Cherry-Burrell

An SPX Process Equipment Operation

## POSITIVE DISPLACEMENT PUMPS CENTRIFUGAL PUMPS VALVES



### Universal Series reinventing PD Pump standards for over 50 years.

Users of WCB PD Pumps benefit from years of continued improvement. Steady advances in design, metallurgy and fabrication techniques have yielded higher levels of performance and service life.

#### Universal II

UII PD Pumps incorporate advanced sanitation and long life technologies and installation features.

- Operating pressures up to 500 psi (34 bar)
- CIPable
- Rotor/shaft connection sealed from product zone
- Rectangular flange and aseptic models
- Non-galling Waukesha "88" alloy rotors

#### Universal I

The Universal Series PD Pumps from WCB have set the standard of performance for the sanitary industry for over 50 years.

- Operating pressures up to 200 psi (14 bar)
- COP operation
- Rectangular flange and aseptic models
- Non-galling Waukesha "88" alloy rotors

#### Universal Lobe

- Operating pressures up to 300 psi (21 bar)
- CIPable
- Non-galling Waukesha "88" alloy lobe rotors
- Tri-Lobe rotors
- Rectangular flange models



### 200 Series setting the bar for Centrifugal Pumps.

WCB 200 Series Centrifugal Pumps have set the industry standard with higher efficiency, minimal vibration and longer life. Included in the line are special models for aseptic, high pressure and WFI applications.

#### Heavy Duty Centrifugal

- High efficiency
- Low NPSHR
- Heavy duty JM motors
- CIPable
- One size sealfits all models
- Aseptic models
- WFI models
- High pressure models
- Multi-stage models
- Stainless steel motors available
- Frame mounted units available

#### Liquid Ring Self Primer

- Designed for CIP return
- Heavy Duty JM motor
- Operates in either direction
- Stainless steel motors available

#### C Series Centrifugal

These versatile pumps offer strong performance and competitive price/value while being interchangeable with other major C-Series Pumps.

- C Face motors
- SS adapter standard
- Stainless steel motors available
- CIPable



### Offering cleaner solutions for your food processing needs.

The entire WCB valve line offers the most advanced sanitary design features, flexible configurations, and quality craftsmanship.

- Machined 316L SS, heavy duty body construction
- Spherical, free draining body for improved flow and cleaning
- Flexible Installation
- Easy Maintenance

#### Single Seat Valves

- Shut off and divert
- Flow control
- Pressure relief
- Tank and kettle outlet

#### Double Seat Valves

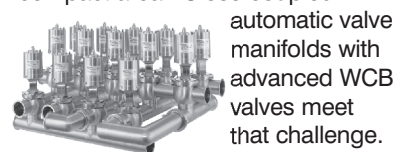
- Standard Mix Proof
- Spill Free Mix Proof
- PMO Mix Proof

#### Manual Valves

- Pressure relief
- Air relief
- Plug valves
- Butterfly and ball valves
- Sampling valves

#### Manifolds

The efficiencies of push-button or computer programmed processing call for centralized flow control in a small, compact area. Close-coupled



automatic valve manifolds with advanced WCB valves meet that challenge.

Check out the family of  
SPX Process Equipment brands  
on the World Wide Web:



WCB-1902  
2007

## SPX Process Equipment

Tel: 1-800-252-5200 or 262-728-1900 Fax: 1-800-252-5012 or 262-728-4904  
E-mail: wcb@processequipment.spx.com Web site: www.spxpe.com



Always use Genuine  
WCB Replacement Parts!



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## FITTINGS HEAT EXCHANGERS DISPERSION EQUIPMENT



### WCB-Flow Products

An SPX Process Equipment Operation

#### Product flow is critical. WCB-Flow Products fittings keep you on-line.

Stainless steel fittings from WCB-Flow Products give you the exact control your process engineers intended with the highest possible degree of reliability. Our line of sanitary and industrial fittings are among the most extensive, placing it centrally in food, dairy and, beverage industries where product control is critical.

- "I"-Clamp interlocking fittings offer immediate disconnect and save on labor costs over multi-bolt flanges.
- "S"-Clamp face-to-face fittings maintain product purity, yet give quick-disconnect service at reasonable cost.
- Butt-weld configurations are ideal for reduced maintenance costs or where high corrosion resistance in a permanent installation is desired.

#### Quality, it's in the Bag!



#### BPE Fittings

ASME BPE compliant Automatic Weld Fittings (AWF/BPE) are 316L stainless steel, sulfur controlled with confirmed metallurgy and fully traceable heat numbers. Each fitting is capped and bagged for protection and cleanliness. Material Test Reports are provided with all orders of WCB-Flow Products BPE Fittings.



#### Votator® II Scraped Surface Heat Exchangers offer solutions that meet your processing goals.

You know the name - VOTATOR® SSHE's have been raising productivity, lowering production costs, and delivering more uniform end-products for a wide range of processing industries for over fifty years.

Now Votator® II builds on that tradition with new design features that makes SSHE maintenance and process design simple.

#### Easy maintenance

- Splined mutator shaft removes in minutes without tools
- Unique boltless blade mounting pins
- Gear motor drive - no couplings, belts or sheaves
- All Votator® II's have removable heat transfer tube, easy to maintain, and can be changed out in minutes

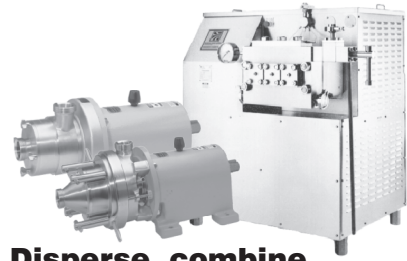
#### Flexible

- Can be mounted vertically or horizontally
- Stainless steel or plastic scraper blades
- Steam/water or refrigerated jacket configurations
- Double Mechanical Seals are available with the spring out of the product zone

#### Performance

- Chrome plated nickel heat transfer tubes of 316 stainless steel tubes specially designed for enhanced heat transfer
- Internal pressure design up to 800 psi (55 bar)
- Drives from 7-1/2 to 20 HP

WCB-1902



#### Disperse, combine, and redefine your product flow.

The need to disperse, combine, and redefine a multitude of dissimilar liquids to form one distinctly different liquid creates new and unique products for the 21st Century. From homogenized milk to mocha infused creme filling to lime flavored mayonnaise creating new textures, flavors, and chemical properties is the opportunity offered by dispersion equipment. WCB manufactures a full line of dispersion/emulsion equipment.

#### Homogenizers- for very fine dispersion

- Compact Homogenizer Design
- Longer seal life
- Simpler seal design
- Secure aseptic option
- Modular valve assemblies
- Rupture disc assembly

#### Colloid Mills- for moderate fineness

- Greater capacity; 50% more flow rate with less heat
- Easy to adjust
- No special tools, less downtime
- Easy cleaning
- CIPable

#### Shear Pumps- for more coarse dispersion

- Processes as it pumps to produce dependable, uniform, in-line or batch processing with no aeration.
- Versatile; modularly interchangeable stator and rotor combinations.
- No complicated adjustments

#### CR Mixers- for high shear immulsifying

- Controlled and precise aeration
- Versatile- matching a broad range of products



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E-mail: wcb@processequipment.spex.com Web site: www.spexpe.com