

# Technology for Food and Beverage



**tyco** | Flow Control

# Food and Beverage Industry

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# Actuators and Control Systems

## Avid, Biffi, Keystone and Morin

<b>Type</b>	Multi-turn, Quarter-turn, Linear
<b>Design</b>	Electric, Pneumatic, Hydraulic
<b>Standard</b>	ASME, DIN
<b>Form</b>	Forged, Cast, Fabricated
<b>Materials</b>	Aluminum, Carbon Steel, Alloy Steel
<b>Service</b>	ESD, On-Off, Turbine Trip, Modulating
<b>Sizes</b>	1/2 thru 60 inches



**Keystone 250 Butterfly Valve/257 Actuator/783 Control Head** - Sanitary butterfly valve with vertical stainless steel actuators and electronic control heads.



**Biffi ICON** - Intelligent, non-intrusive, multi-turn electric actuator.



**Avid ZR Plus** - Integrated monitoring and control of automated valves in a single, NEMA/FM approved package for general purpose and intrinsically safe applications.



**Keystone Figure 777** - Electric actuator for quarter-turn valves. For output torques to 15,100 lb.in.



**Avid SmartCal-NB** - Intelligent positioner allowing for AutoCal keypad calibration and optional HART<sup>®</sup> communications capability. On-site diagnostic information is standard.



**Avid K-BLOCK™** - The K-BLOCK™ is a low profile, hermetically sealed proximity switch designed to operate in washdown environments. The low profile makes it ideal for confined piping spaces such as manifolds and piping headers.



**Morin MRP** - A comprehensive range of pneumatic actuators, providing compact, reliable and economical powered operation for all types of quarter-turn valves.

The MRP is also available in a model MRS which incorporates our SNP (special nickel protection) that protects the internal and external finish of the actuator from harsh washdown chemicals.



**Morin Series B** - Ductile Iron/Stainless Steel Quarter-turn, Spring Return and Double Acting Actuators. Output torques to 238,000 lb.in.

**Morin Series S** - Stainless Steel Spring Return and Double Acting Pneumatic Quarter-turn Actuators. Output torques to 238,000 lb.in.

### Brewhouse Operation

(see page 14): 1 thru 5

### Fermentation

(see page 15): 1 thru 4

### Cheese Production Process

(see pages 18 - 19): 1 thru 22

### Milk Treatment Plant

(see pages 22 - 23): 1 thru 7

### Orange Juice Production

(see page 26): 1 thru 6

### Soft Drink Production

(see page 27): 1 thru 6



**Type**  
**Design**  
**Standard**  
**Form**  
**Materials**  
**Pressure Class**  
**Sizes**  
**Temperature Range**

Three-piece  
 Two-way, Three-way  
 ASTM, ANSI, DIN, ASME BPE  
 Cast, Forged  
 Stainless Steel, High Alloy, Carbon Steel  
 ANSI Class 150 thru 600  
 1/4 thru 10 inches  
 -425°F to +650°F



**MCF Tank Bottom** - Designed and engineered to give fast, unrestricted drainage of tank media.



**MCF and Actuator with SNP (Special Nickel Protection)** - Protects against caustic washdown.



**MCF Clean-In-Place** - With purge ports for in-line cleaning; available in Steam, Micro-Clean and Tank Bottom configurations.

### Fermentation

(see page 15): 1 thru 4

### Cheese Production Process

(see pages 18 - 19): 2 thru 22

### Milk Treatment Plant

(see pages 22 - 23): 1 thru 7

### Orange Juice Production

(see pages 22 - 23): 1 thru 6



**MCF TrueTube** - Internal dimension of the ball and tube type end pieces match tubing size; finishes to 15RA.



**MCF Micro-Clean** - Diverter and three-way applications

# Butterfly Valves

## Keystone, NeoTecha and Vanessa

### Type Design

### Standard Materials

### Pressure Class

### Sizes

### Temperature Range

Flanged, Lug, End-of-Line  
 High-Performance, Triple Offset,  
 Elastomer Resilient Seated, Polymer Lined  
 ASTM, ANSI, DIN  
 Stainless Steel, High Alloy, Carbon Steel  
 ANSI Class 150 thru 1500  
 1/4 thru 110 inches  
 -320°F to +1000°F  
 (Rotary Process, -425°F to +1500°F)



**Keystone 106** - Double flange, large diameter butterfly valve (24" thru 48").



**Keystone 601/602** - A heavy duty elastomer resilient seated butterfly valve, which utilizes a cartridge design seat liner for bi-directional drop-tight shut-off between flanges or as end of line service at full pressure rating.



**Keystone K-LOK** - Double offset disc design with a variety of polymer seat materials provides high cycle bi-directional drop-tight shut-off for ANSI 150 and 300 pressure classes between flanges or as end of line service.



**Keystone 990/920** - Thin disc profile with a triple function elastomer or polymer seat liner provides bi-directional drop-tight shut-off while isolating the valve body and stem from the line media.



**NeoTecha Teflon® Lined** - An upper and lower set of Belleville springs keeps the two sealing surfaces together, resulting in a superior stem seal.



**Vanessa QTF 30000** - Torque-seating action ensures continuous bi-directional, zero leakage performance.

### Brewhouse Operation

(see page 14): 1 thru 5

### Fermentation

(see page 15): 1, 2, 4

### Cheese Production Process

(see pages 18 - 19):  
 1, 3, 5, 7, 12, 13, 15 - 17, 19 - 22

### Orange Juice Production

(see page 26): 1 thru 6

### Soft Drink Production

(see page 27): 3, 4, 6

# Check Valves

## Gulf, Hovap, Keystone and Prince

**Type**  
**Design**  
**Standard**  
**Form**  
**Materials**  
**Pressure Class**  
**Sizes**  
**Temperature Range**

Non-Return  
 Piston, Swing, Tilting Disc, Wafer  
 ASME, DIN, BS, API  
 Cast, Forged  
 Carbon Steel, Alloy Steel, Stainless Steel  
 ANSI Class 125 thru 4500  
 1/4 thru 72 inches  
 -320°F to +1200°F



**Prince 815** - Large diameter wafer swing disc check valve which provides smooth action during reverse flow conditions with or without weights, levers or damper options.



**Hovap F6025** - A compact, stainless steel, hygienic, non-return valve.



**Prince Wafer Check Valve** - Available in different alloys, the drop-tight smaller diameter wafer swing disc check valve offers a more compact, lightweight valve than traditional full-bodied check valves.

### Brewhouse Operation

(see page 14): 1 thru 5

### Fermentation

(see page 15): 1, 2, 4

### Cheese Production Process

(see pages 18 - 19): 1, 3, 7 thru 22

### Milk Treatment Plant

(see pages 22 - 23): 1, 3, 7

### Orange Juice Production

(see page 26): 1 thru 6

### Soft Drink Production

(see page 27): 1 thru 6



**Gulf Dual Door Check Valve** - Available in different alloys, the dual door design is available in small to large diameters and provides drop-tight shut-off.



**Keystone 264J** - Sanitary non-return check valve for reverse flow prevention.

# Control Valves

Biffi, Keystone, MCF and Morin

**Type**  
**Design**  
**Standard**  
**Form**  
**Materials**  
**Pressure Class**  
**Sizes**

Globe, Angle, Globe Offset, Quarter-turn  
Cage Trim, Low Noise  
ASME, DIN  
Cast, Forged  
Carbon Steel, Alloy Steel  
ANSI Class 150 thru 4500  
1 thru 24 inches



**Keystone 250 Butterfly Valve/ 257 Actuator/783 Control Head -**  
*Sanitary butterfly valve with vertical stainless steel actuators and electronic control heads.*



**Keystone 990/920 -** Triple-function seat provides bidirectional drop-tight shut-off, isolates the valve body and stem from the line media .



**KTM VS -** V-Notch affords equal percentage characteristics for precise control.



**MCF with Actuator -** Provides fast, reliable, contaminate free, flow control in both two-way and three-way valve configurations.



**Vanessa 30,000 with Biffi Actuator -** Utilizes a resilient, duplex stainless steel seal ring installed in the disc assembly to provide true zero leakage.



**Vanessa QTL with Keystone Actuator -** Quarter-turn, non-rubbing design with a unique, triple offset geometry that eliminates all seat-to-seat rubbing throughout the valve's 90° rotation.

## Brewhouse Operation

(see page 14): 1 thru 5

## Fermentation

(see page 15): 1, 2, 4

## Cheese Production Process

(see pages 18 - 19):  
2, 5 thru 8, 10 thru 22

## Milk Treatment Plant

(see pages 22 - 23): 2, 3, 5, 6, 7

## Orange Juice Production

(see page 26): 1 thru 6

## Soft Drink Production

(see page 27): 3, 4, 6



# Hygienic Process Equipment

## Hovap and Keystone



**Hovap Miniflow 9400** - 1/2" to 1" mini isolation, divert and changeover valves.

### Type

### Design

### Standard

### Form

### Materials

### Pressure Class

### Sizes

Mixproof, Diverter, Changeover, Butterfly, Ball, Check, Relief, Tank Bottom

Double Seat Piston with Seat Lifting, Single Seat Piston, Full Port, Rotary

3A, USDA, EHEDG

Barstock, Cast, Fabricated, Forged

Stainless Steel

150 psi

1/2 thru 8 inches



**Hovap Hygienic Pumps** - Designed for continuous operation on thin liquids such as milk, wine, cream, beer, etc. For complete versatility, this range can include heating jackets, frequency controllers, or flushed seal and is available with unions, plane ends or flanges.



**Hovap 8700** - Patented balanced piston technology provides the ONLY 100% WATERHAMMER-proof mixproof valve. Spillage free, seat-lifting and aseptic are all standard features.



**Keystone 250 Butterfly Valve/ 257 Actuator/783 Control Head** - Sanitary butterfly valve with vertical stainless steel actuators and electronic control heads (AS-interface, DeviceNet).

### Fermentation

(see page 15): 1, 3

### Cheese Production Process

(see pages 18 - 19): 1, 2, 4 thru 20

### Milk Treatment Plant

(see pages 22 - 23): 1 thru 7

### Orange Juice Production

(see page 26): 1 thru 6

### Soft Drink Production

(see page 27): 1 thru 6



**Keystone 264J** - Sanitary non-return check valve for reverse flow prevention.



**Keystone 267J/268J** - Isolation, divert or changeover seat valves available in multiport/body configurations.



# Knife Gate Valves

## Rovalve, L&M Valve and Clarkson

**Type**  
**Design**  
**Standard**  
**Form**  
**Materials**  
**Pressure Class**  
**Sizes**

Knife Gate, Slide Gate, Wedge Gate  
 Full and Reduced Bore  
 MSS or better  
 Cast, Fabricated  
 Carbon Steel, Alloy Steel, Stainless Steel  
 Vacuum to 300 psig cwp  
 2 thru 144 inches



**Clarkson KGD** - Wafer style slurry knife gate valve offering value and high performance in a compact package.



**L&M Valve M145** - The unique design benefits, with the three piece replaceable polymer liner, offer reliability and long life in a wide variety of tough applications.



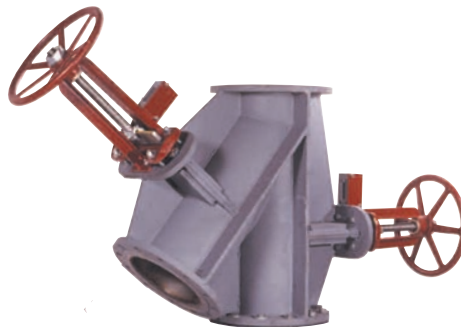
**Rovalve S17 and S20** - Cast stainless steel knife gate valves designed for performance and value with many added features.



**Rovalve SB1700** - Revolutionary, state-of-the-art knife gate valve featuring a patented bolted-in-place perimeter seal.



**Rovalve 215** - Slide through, O-port gate design for severe service applications.



**Custom Design Products** - Specific to the application, diverter valves, square or rectangular made in most any alloy and performance range.

### Brewhouse Operation

(see page 14): 1 thru 5

### Cheese Production Process

(see pages 18 - 19): 3, 12, 22

### Orange Juice Production

(see page 26): 1 thru 3

# Pressure and Vacuum Relief Anderson Greenwood, Crosby and Varec



**Varec 2440** - Protects low pressure storage tanks and processes from excess positive pressure and vacuum.

## Type

Conservation, Vents, Pressure and Vacuum Relief, Blanketing Systems

## Design Standard Form

Weight Loaded, Spring Loaded, Pilot Operated  
API 2000/ASME Section VIII

## Materials

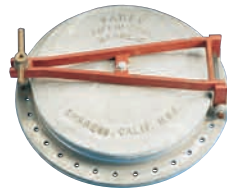
Cast  
Aluminum, Carbon Steel, Stainless Steel, Monel®, Brass, Bronze

## Pressure Class Sizes

Vacuum thru ANSI Class 300  
1/2 thru 24 inches



**Anderson Greenwood BV1** - An effective, economical way to regulate tank pressure.



**Varec 220 Manway Cover** - Designed for use on tanks where quick and easy personnel access is desired.



**Varec 7000** - Free vents typically used on atmospheric tanks which contain non-volatile liquids.



**Varec 221 Manway Cover** - Designed to provide emergency venting of low pressure storage tanks and vessels.



**Crosby PVR** - A sanitary direct acting relief valve designed specifically for pressure/vacuum protection.



**Varec 180 Regulator** - For use on vapor recovery systems where sensitive control at low pressures is required.



**Varec 5000 Flame Arrester** - Prevents the propagation of a flame into the system.



**Varec 4310 Cover** - Provides quick access for product gauging, temperature measurement or sampling.

## Fermentation

(see page 15): 2, 4

## Cheese Production Process

(see pages 18 - 19):  
4, 6, 7, 12, 13, 15 thru 17, 19, 20

## Orange Juice Production

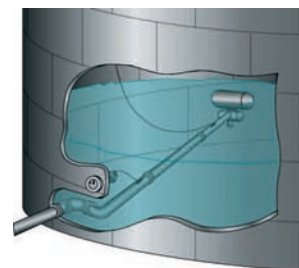
(see page 26): 4, 6

## Soft Drink Production

(see page 27): 1, 6



**Anderson Greenwood 9300** - High performance alternative to spring and weight-loaded relief devices for low pressure systems.



**Varec 7700 Floating Suction Unit** - Designed for use on storage tanks where there is a need to draw off product from just below the surface of liquids stored in bulk.



**Anderson Greenwood 80 Series** - A premium performance, direct acting, pressure relief valve for critical ammonia, CO<sub>2</sub> and other refrigeration systems.

# Sampling Systems

## NeoTecha

### Type

### Design

### Materials

### Pressure Class

### Sizes

### Temperature Range

In-line and Aseptic Sampling Systems

Bottle and Syringe Collecting, Recirculation, Automated

All Alloy or PFA Lined

Vacuum thru 240 psig

1 thru 4 inches

-20°F to +400°F



**SAPRO In-line** - Assures a "true representative sample" every time without process interruption because it is installed directly into a process pipeline.



**SAPRO Aseptic In-line** - Simple and safe operation due to the use of a spring return manual lever that automatically closes the sampler when released. Padlocking to prohibit sample taking when not required.

### **Milk Treatment Plant**

(see pages 22 - 23): 2

### **Orange Juice Production**

(see page 26): 4



# Steam Traps

## Yarway

**Type Design**

Thermodynamic, Thermostatic, Mechanical Disc, Variable Orifice, Lever, Filled Thermal Element, Bi-Metallic

**Standard Form**

ASME  
Cast, Forged

**Materials**

Alloy Steel, Stainless Steel

**Pressure Class**

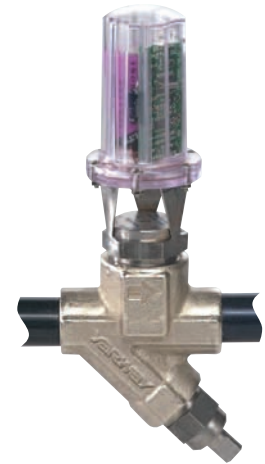
ANSI Class 300 thru 4500

**Sizes**

3/8 thru 4 inches



*Yarway Steam Traps - Provides efficient discharge of condensate; approaching zero steam loss.*



*Yarway SmartTrap - Disc trap with integral strainer and blow-off.*

**Brewhouse Operation**

(see page 14): 3, 4

**Fermentation**

(see page 15): 4

**Orange Juice Production**

(see page 26): 3



*Yarway Unibody Traps - with integral strainer and blow-off.*

# Service Operations

## Services Available:

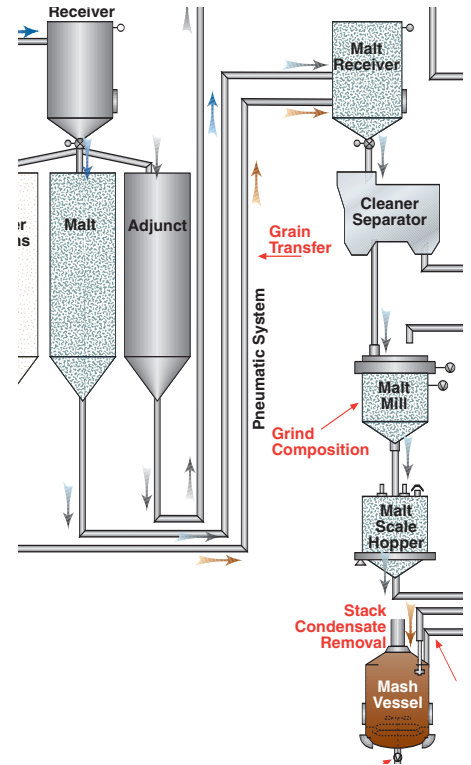
- Safety
- Authorizations
- Certifications
- Pressure Relief Valve Repair
- Spare Parts
- Field Service
- Mobile Units
- Training
- Trip Throttle Valve Repair
- Pump Protection Valve Repair
- Steam Trap Surveys/Repair
- Valve and Inventory Management
- Turn-key Installation
- Application Engineering

## Industries Served:

- Power
- Pulp and Paper
- Iron and Steel
- Chemical
- Refining
- Petrochemical
- Offshore
- Marine Gas Processing
- Oil and Gas Pipeline
- Oil and Gas Production
- Plastics
- Pharmaceutical
- Brewery
- Food and Beverage
- HVAC
- Mining
- Water and Waste Water
- Commercial Construction

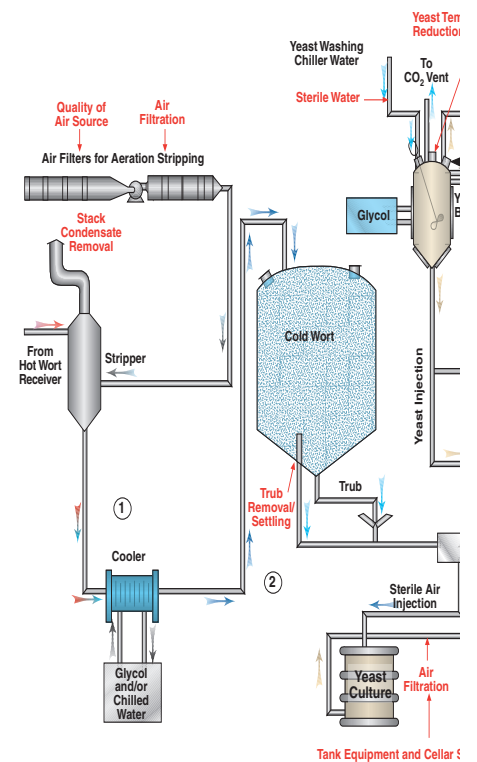


# Brewhouse Operation



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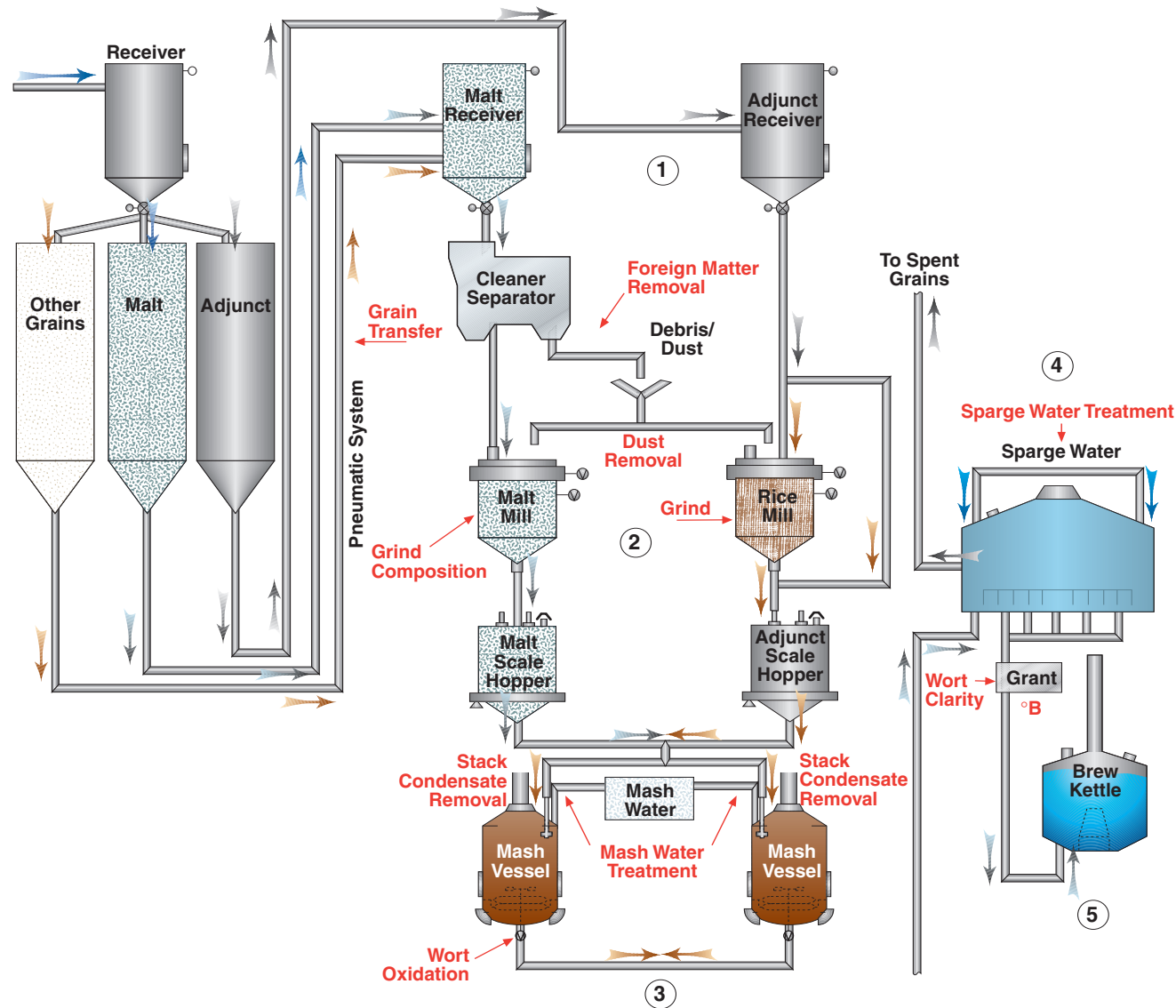
# Fermenting



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# BREWHOUSE OPERATION



## 1 Grain/Malt/Adjunct Receiving

- Actuators and Control Systems
- Butterfly Valves
- Check Valves
- Control Valves
- Knife Gate Valves

## 2 Milling

- Actuators and Control Systems
- Butterfly Valves
- Check Valves
- Control Valves
- Knife Gate Valves

## 3 Mash Mixing

- Actuators and Control Systems
- Butterfly Valves
- Check Valves
- Control Valves
- Knife Gate Valves
- Steam Traps

## 4 Mash Cooker

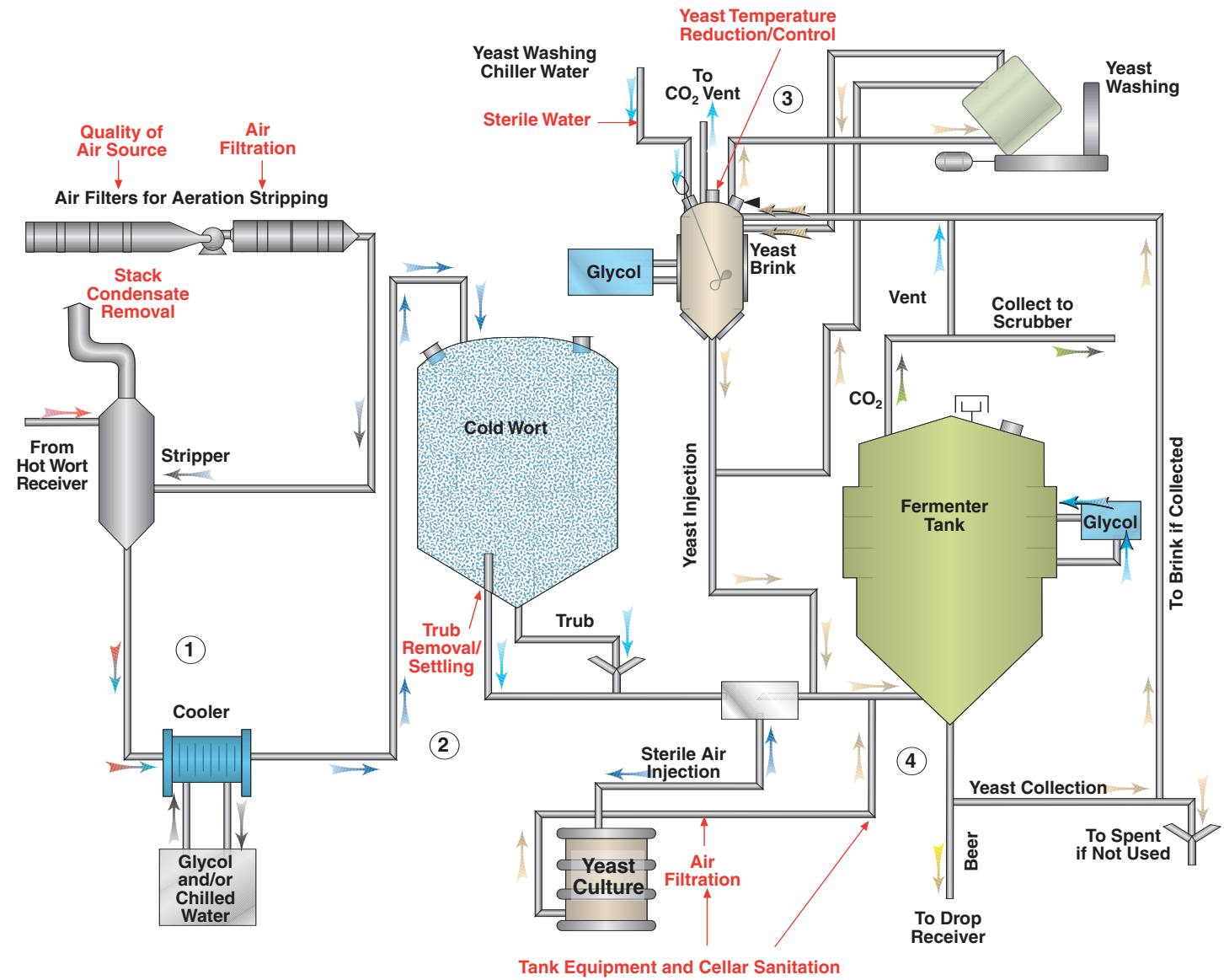
- Actuators and Control Systems
- Butterfly Valves
- Check Valves
- Control Valves
- Knife Gate Valves
- Steam Traps

## 5 Brew Kettle

- Actuators and Control Systems
- Butterfly Valves
- Check Valves
- Control Valves
- Knife Gate Valves

# FERMENTING

(INCLUDES AERATION, COOLING, AND STARTING)



## 1 Wort Stripping

- Actuators and Control Systems
- Ball Valves
- Butterfly Valves
- Check Valves
- Control Valves
- Hygienic Process Equipment

## 2 Wort Chilling

- Actuators and Control Systems
- Ball Valves
- Butterfly Valves
- Check Valves
- Control Valves
- Tank Protection

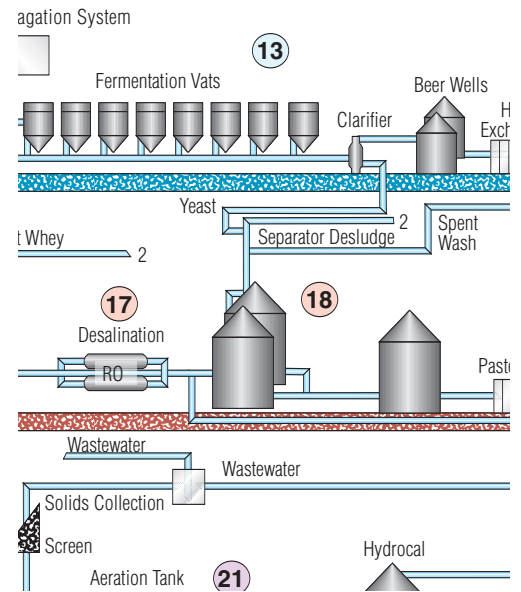
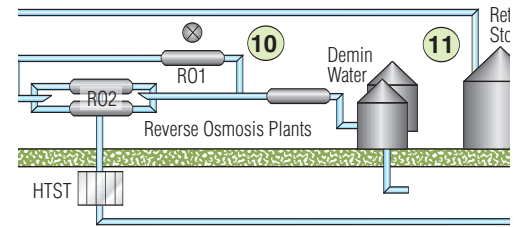
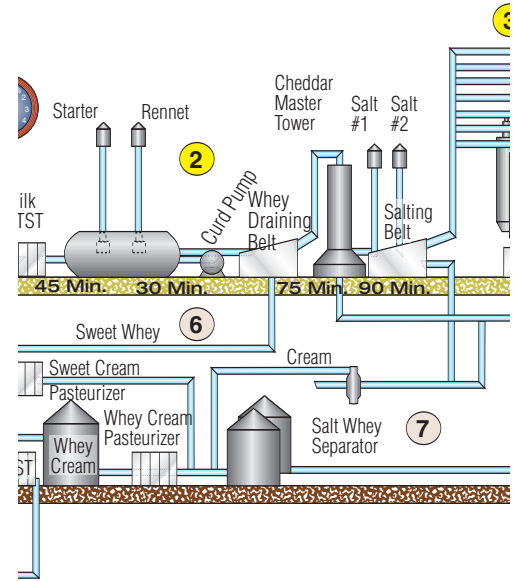
## 3 Yeast Handling

- Actuators and Control Systems
- Ball Valves
- Hygienic Process Equipment

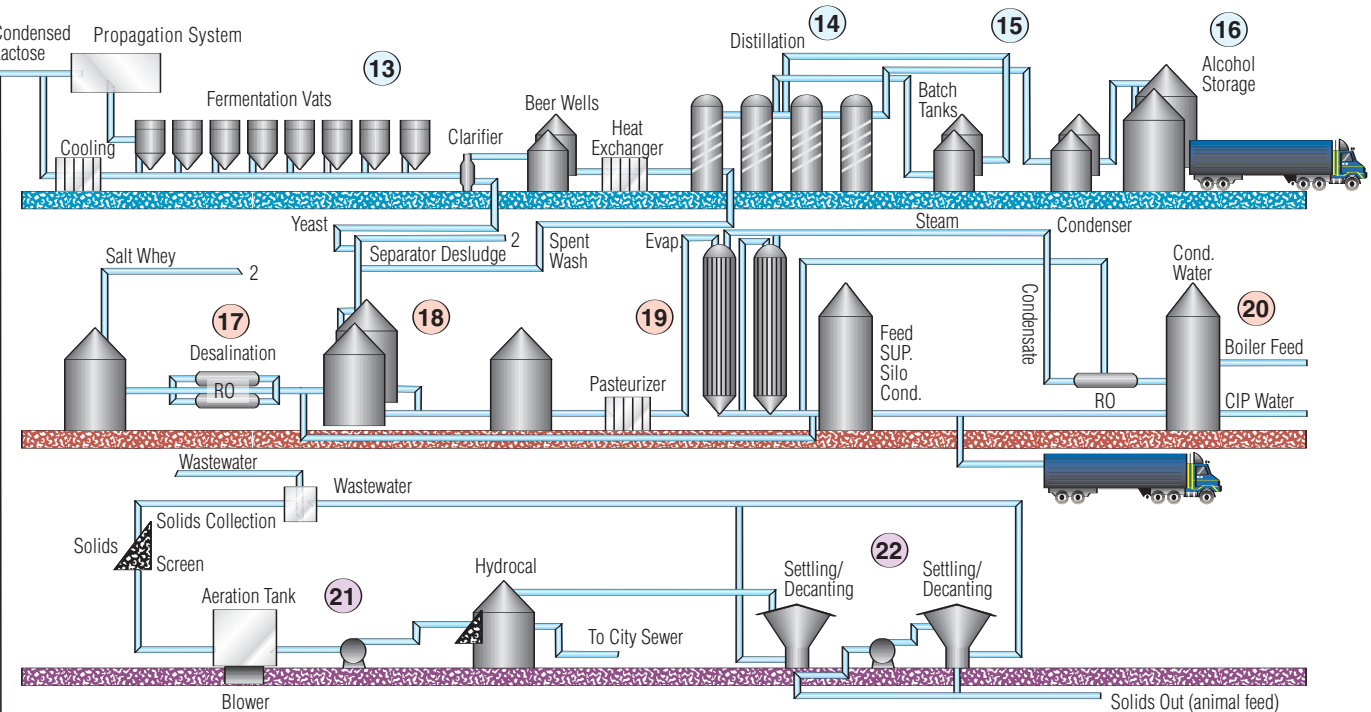
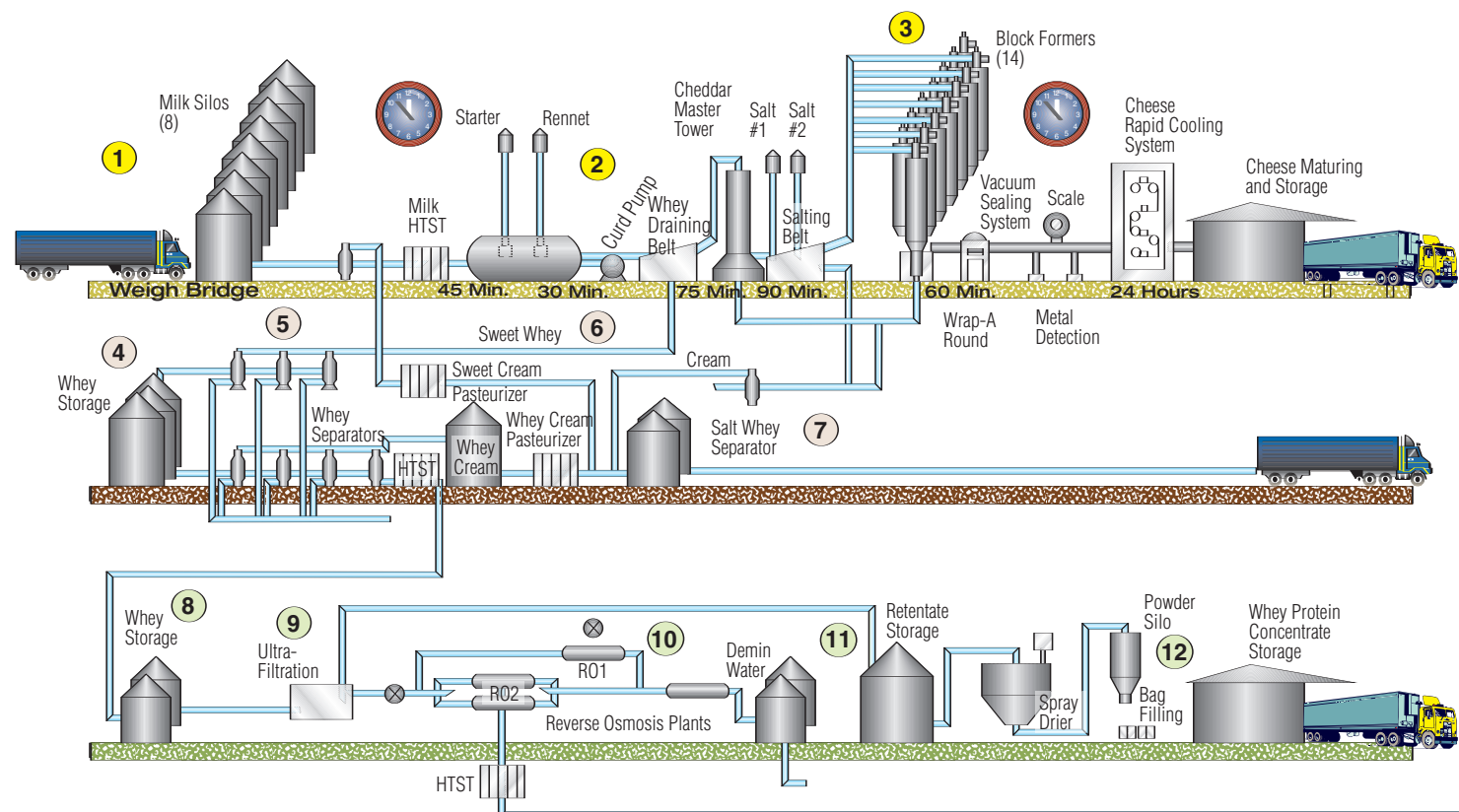
## 4 Fermenter

- Actuators and Control Systems
- Ball Valves
- Butterfly Valves
- Check Valves
- Control Valves
- Steam Traps
- Tank Protection

# Cheese Plant Production Process



# CHEESE PLANT PRODUCTION PROCESS



**■ Cheese**    **■ Whey Cream**    **■ Whey Protein**

**■ Alcohol**    **■ Animal Feed Supplement**    **■ Wastewater**

## Cheese Making

- 1 Milk Silos**
  - Actuators and Control Systems
  - Butterfly Valves
  - Check Valves
  - Hygienic Process Equipment
- 2 Standardizing**
  - Actuators and Control Systems
  - Ball Valves
  - Control Valves
  - Sampling Systems
  - Hygienic Process Equipment
- 3 Block Formers**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Knife Gate Valves

## Whey Cream

- 4 Whey Cream Storage**
  - Actuators and Control Systems
  - Ball Valves
  - Hygienic Process Equipment
  - Tank Protection
- 5 Clarifiers/Separators**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Control Valves
  - Hygienic Process Equipment
- 6 Pasteurizers**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Control Valves
  - Hygienic Process Equipment
  - Tank Protection
- 7 Separators**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Tank Protection

## Whey Protein

- 8 Whey Storage**
  - Actuators and Control Systems
  - Ball Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
- 9 Ultra-filtration**
  - Actuators and Control Systems
  - Ball Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
- 10 Reverse Osmosis Filtration**
  - Actuators and Control Systems
  - Ball Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
- 11 Demin Water**
  - Actuators and Control Systems
  - Ball Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment

## Powder Silo

- 12 Powder Silo**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Knife Gate Valves
  - Tank Protection

## Alcohol

- 13 Fermentation Vats**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Tank Protection
- 14 Distillation**
  - Actuators and Control Systems
  - Ball Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment

## Batch Tanks

- 15 Batch Tanks**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Tank Protection

## Alcohol Storage

- 16 Alcohol Storage**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Tank Protection

## Animal Feed Supplement

- Desalination**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Tank Protection
- Separator**
  - Actuators and Control Systems
  - Ball Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
- Evaporator**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Tank Protection

## Conditioned Water Storage

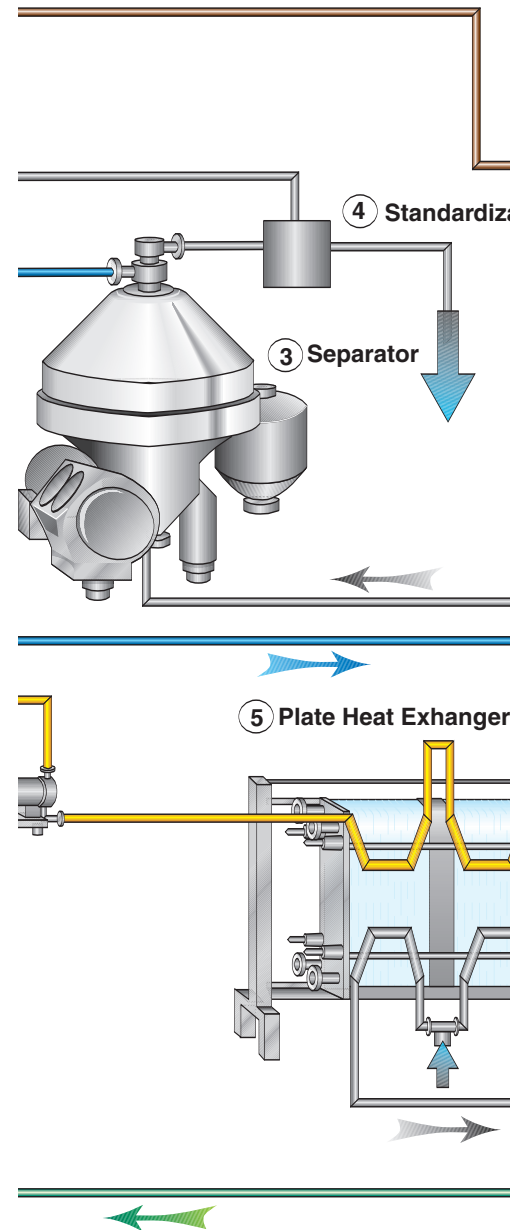
- Conditioned Water Storage**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Tank Protection

## Wastewater System

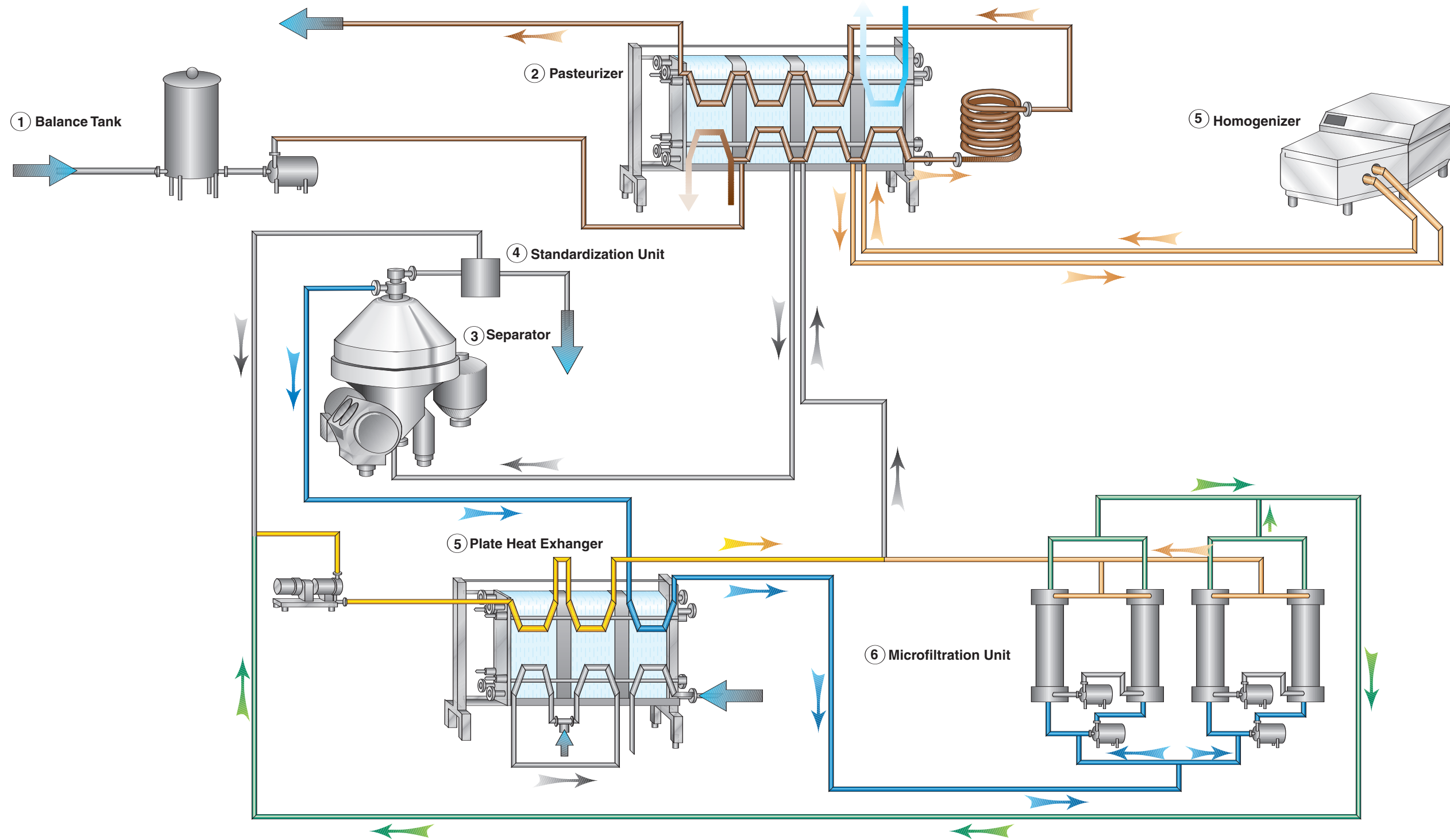
- Aeration**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
- Decanting**
  - Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Knife Gate Valves



# Milk Treatment Plant



# MILK TREATMENT PLANT



- 1 Balance Tank**
- Actuators and Control Systems
  - Ball Valves
  - Check Valves
  - Hygienic Process Equipment

- 2 Pasteurizer**
- Actuators and Control Systems
  - Ball Valves
  - Control Valves
  - Sampling Systems
  - Hygienic Process Equipment

- 3 Separator**
- Actuators and Control Systems
  - Ball Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment

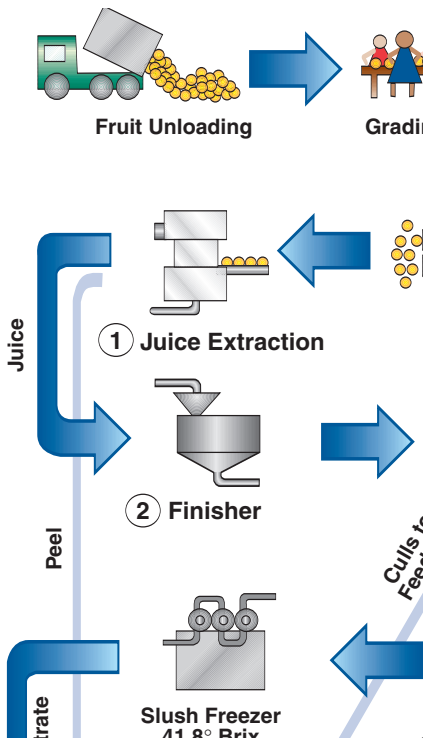
- 4 Standardization Unit**
- Actuators and Control Systems
  - Ball Valves
  - Hygienic Process Equipment

- 5 Plate Heat Exchanger**
- Actuators and Control Systems
  - Ball Valves
  - Control Valves
  - Hygienic Process Equipment

- 6 Microfiltration Unit**
- Actuators and Control Systems
  - Ball Valves
  - Control Valves
  - Hygienic Process Equipment

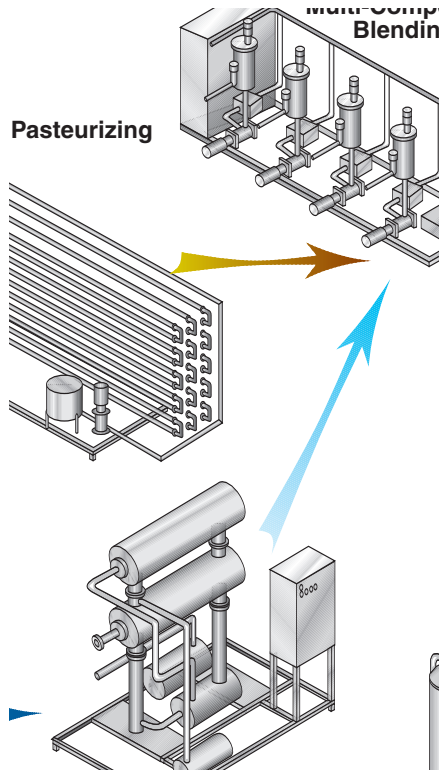
- 7 Homogenizer**
- Actuators and Control Systems
  - Ball Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment

# Orange Juice Production



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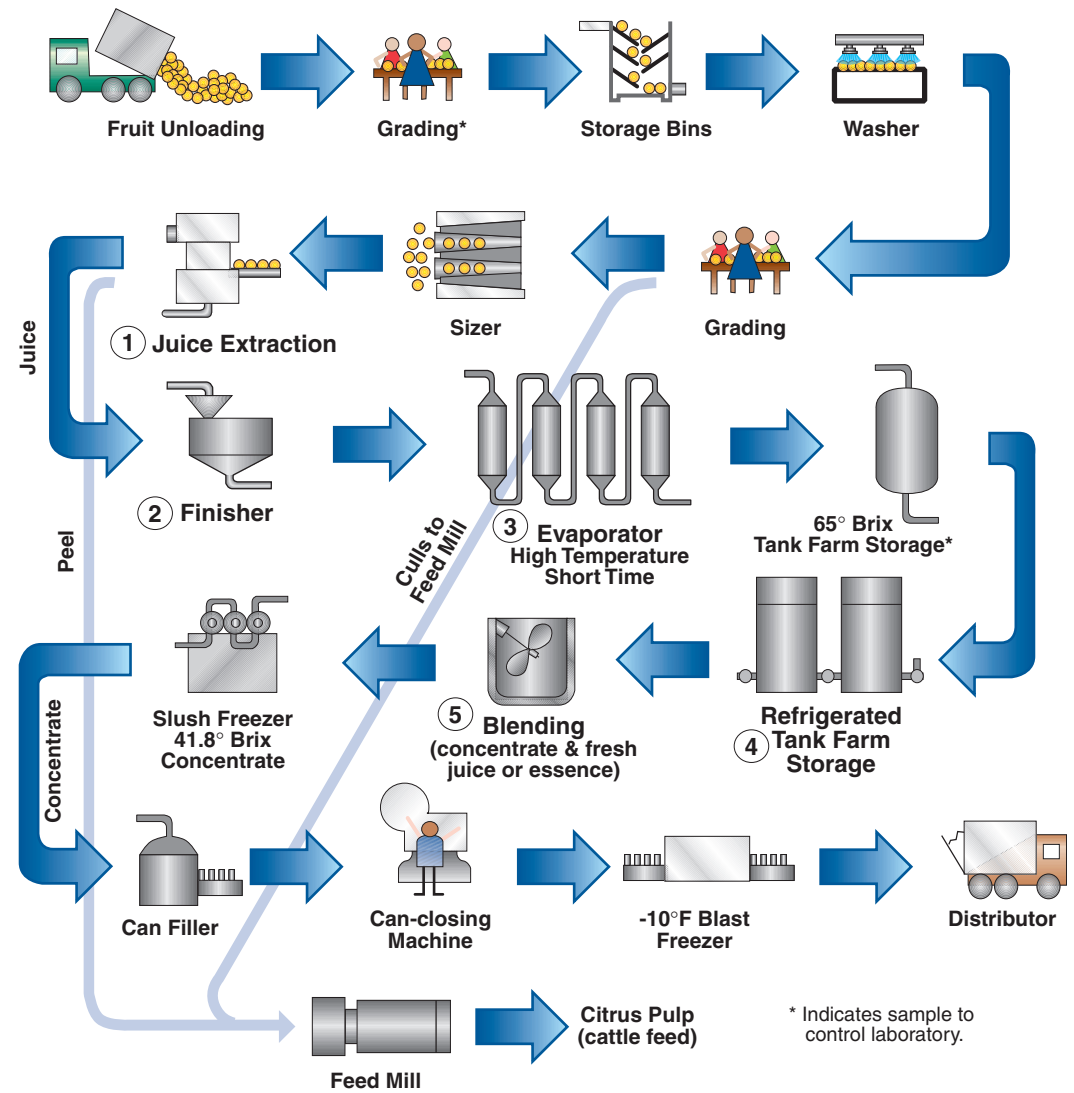
# Soft Drink Production



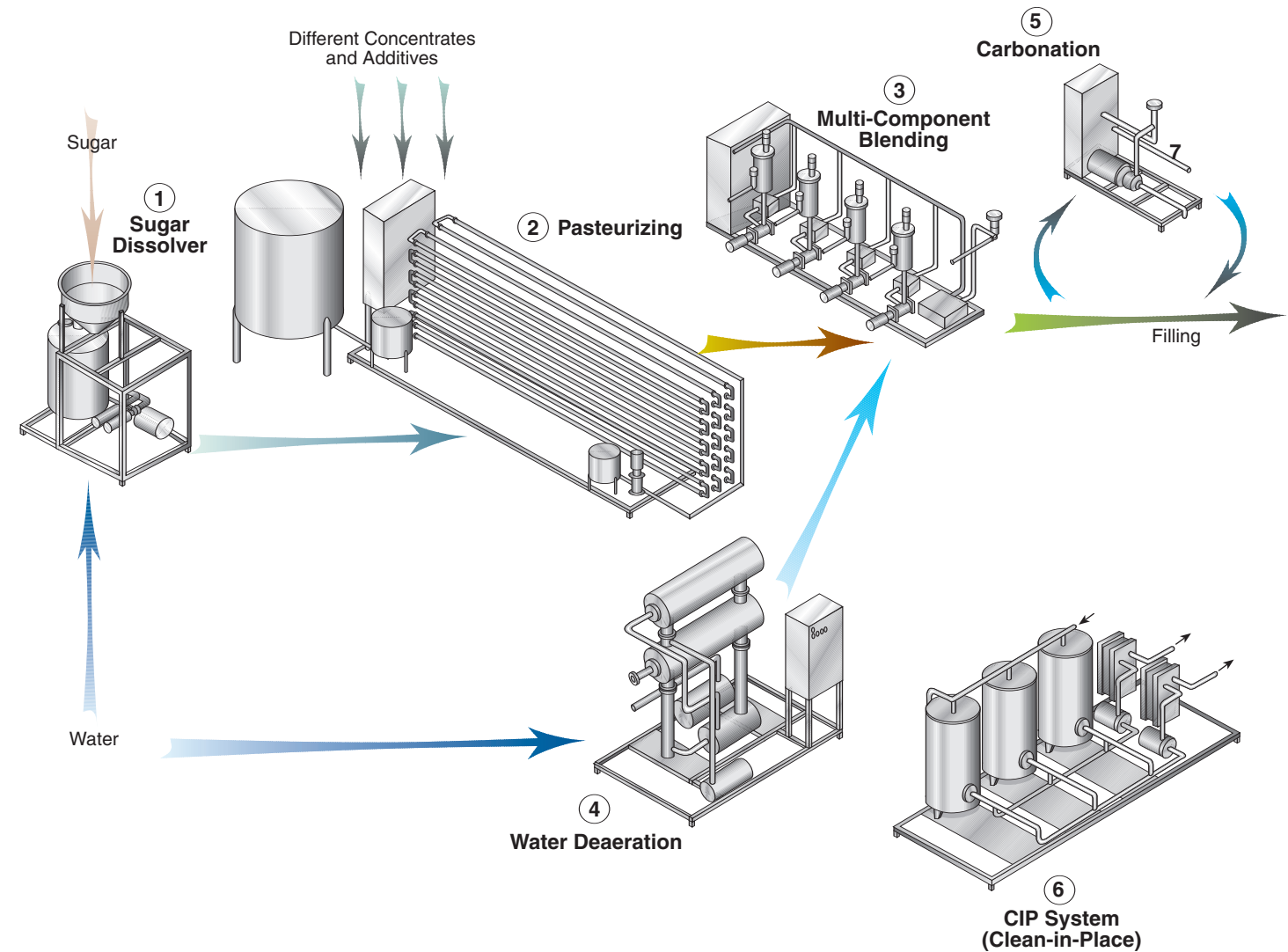
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# ORANGE JUICE PRODUCTION



# SOFT DRINK PRODUCTION



- 1 Juice Extractor**
- Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Knife Gate Valves

- 2 Finisher**
- Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Knife Gate Valves

- 3 Evaporator**
- Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Knife Gate Valves
  - Steam Traps

- 4 Refrigerated Tank Farm**
- Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Sampling Systems
  - Tank Protection

- 5 Blending**
- Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment

- 6 Citrus Pulp**
- Actuators and Control Systems
  - Ball Valves
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Tank Protection

- 1 Sugar Dissolver**
- Actuators and Control Systems
  - Check Valves
  - Hygienic Process Equipment
  - Tank Protection

- 2 Pasteurizing**
- Actuators and Control Systems
  - Check Valves
  - Hygienic Process Equipment

- Multi-Component Blending**
- Actuators and Control Systems
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment

- Water Deaeration**
- Actuators and Control Systems
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment

- Carbonation**
- Actuators and Control Systems
  - Check Valves
  - Hygienic Process Equipment

- CIP System (Clean-in-Place)**
- Actuators and Control Systems
  - Butterfly Valves
  - Check Valves
  - Control Valves
  - Hygienic Process Equipment
  - Tank Protection



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