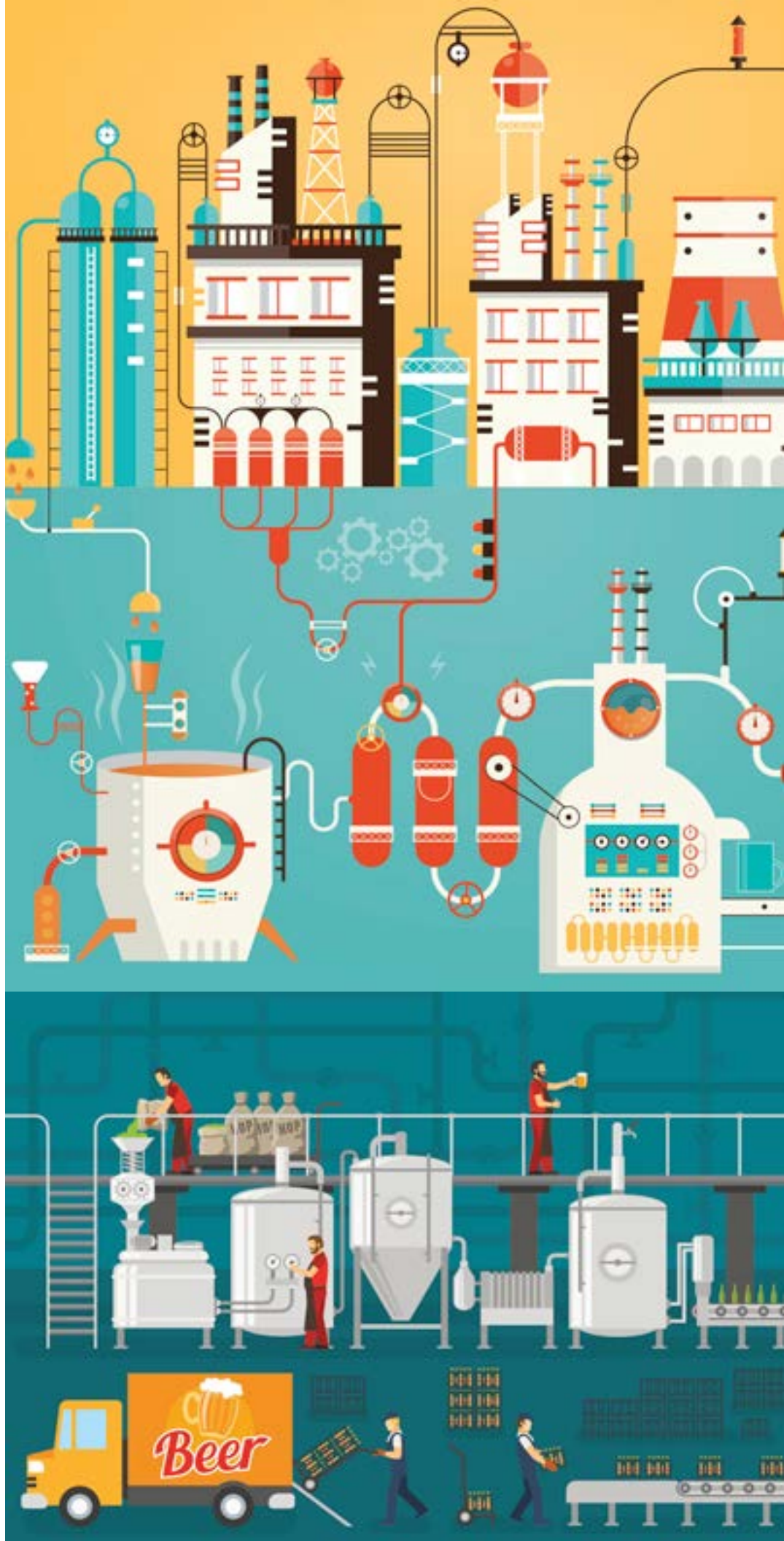




2017 - 2018
Craft Brewing Products

www.gwkent.com





2017 - 2018



Catalog

TERMS & PRICES

- Upon credit approval, our terms are net 10 days from date of invoice. We accept credit cards. Wire transfer & prepay check required for order \$5000.00 and up.
- **Minimum order of \$50.00 is required.**
- All prices are FOB Michigan Warehouse.
- **Prices in print catalog are subject to change without notice. Prices will be updated online.**

- All information and specifications in this catalog puts forth in good faith but makes no guarantee, expressed or implied, concerning the use or misuse of the products or data listed.



BUSINESS HOURS

Monday - Friday 9am - 5pm (Eastern Time)
Holiday Closing All Major holidays
Please see posting on www.gwkent.com

SHIPPING

We use Fedex service and common carrier trucking. We will determine carriers based on trucking requirement, price and commodities. Freight charges are prepaid and billed on your invoice.

CUSTOMER PICK UP

- Please allow 24 hours of order processing time for pick up

• **Dock Hours 9am - 4pm Monday - Friday**

DAMAGE OR LOSS CLAIMS

- **Any discrepancy or damages must be noted on freight bill** and signed by driver at the time of delivery so trucking company will honor the claim.
- We will not be responsible for any damage or loss if a freight bill does not note damages or shortage with signature from driver.

RETURNS

- We will email a Return Authorization form to you. **Return Authorization must accompany product return.** To request a return, please email us.
- Merchandise must be less than 30 days old from date of invoice and brand new in original packaging.
- **Returned merchandise subject to 25% re-stocking charge and freight expenses.**
- Machinery, tanks, pumps, flow meter, test instruments and barrels are subject to manufacturer's warranty and repair policy, we cannot accept returns for above mentioned products.

EASY ORDERING



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Table of Content

Barrels & Cask.....	71 - 77	Flow Meter	23 - 24
• Barrel Racks		Lubricants.....	101 - 103
• Accessories & Tools		Heat Exchanger	11
• Oak Chips & Oak products		Hose	106- 110
Beer Fermenters	4 - 16	• Beer Transfer Hose	
Brewhouses	7 - 11	• Washdown Hose	
Bright Tanks	6 - 12	• Hose Barb	
Carbonation System	21 - 22	• Hose Clamps	
CIP	17	• Hose Rack	
Filtration.....	85 - 91	Hygienic Tool & Cleaning Brush	105
• Filter Machine		Lab Equipment.....	111 - 114
• Filter Sheets Pall/Seitz		• Refractometers	
• Membrane Cartridge		• pH Meters	
• Sil-Kleer Filter Aids		• Hydrometers	
Fittings - DIN	67 - 68	• Thermometer	
Fittings & Valves - Butt Weld	66	• Glassware	
• Butterfly Valve Butt Weld		Malt.....	78 - 79
• Check Valves Butt Weld		• Durst Malt	
• Elbow - butt weld		• Briess Malt	
• Reducer butt weld		• Gambrinus Malt	
• Sight Glass Butt Weld		Mesh Bag	76
• Tee Butt Weld		Packaging	31 - 37
Fittings & Valve s- NPT	55 - 59	• Bottle Fillers	
• NPT Ball Valve		• Corking & Capping Machine	
• NPT pipe fittings		• Bottle Rinsers	
• Globe Valve & Gate Valve		• Labeling Machines	
Fittings & Valves - TC	38 - 65	• Champagne Corks	
• Butterfly Valves		• Bottles	
• Ball Valves Tri-clamp		• Crown Caps	
• Check Valve		• Keg Caps	
• Tri-clamp & gaskets		Pumps	83 - 84
• Adaptor NPT to TC		Strainers	62 - 63
• Hose Barb Adaptor		Tank Components	45 - 70
• Sight Glass		• Sample Valve	
• Solid End Caps		• Tank Sight Gauge Valve	
• Cross		• Tank Thermometer	
• Elbow		• Tank Thermometer Well	
• Ferrules		• Vacuum & Pressure Relief Valve	
• Reducer - Concentric		• Manway Doors	
• Reducer - Eccentric		Temperature & Control	92 - 97
• Reducer - End Cap Reducer		• Glycol Chillers	
• Tee		• Motorized Valves	
• Y		• Solenoid Valves	
• CIP Spray Ball		• Thermometers	
• Beer Nut		• Pressure Gauges	
Kegs & Kegging Equipment	25 - 30	• Temperature Controllers	
• Kegs		• RTD	
• Coupler		• Quick Disconnect	
• Keg Filling		Washdown Equipment	98 - 100
• Regulator		Yeast & Cellar Chemicals	80 - 83
Kegs Washer	18 - 20	• Yeast	
		• Cellar Chemicals	
		Yeast Propagation Tank	14



Largest tank stock in America.

Certified 304 stainless steel material and components, sanitary construction 100% TIG welded and sanitary polished with stringent controls, inspection and pressure testing. We guarantee unsurpassed tank quality and fantastic value with all valves and fittings included at no additional cost. We custom fabricate tanks to meet brewery's space restrictions and we stock tanks with standardized specifications for quick delivery. Design pressure at 15 psi to meet standard brewing industry requirements.



Fermenters & Brite Tanks

Features:

- Design pressure 15 psi
- Interior shell: 304 stainless steel, thickness 11 gauge
- Exterior shell: 304 stainless steel, thickness 14 gauge
- Interior and exterior finish bright polish to 250 grit, hygiene surface
- 60 degree cone bottom, with 25% head space
- Racking port and discharge port with butterfly valve and fittings
- Side manway door, shadowless
- Dual zone dimple cooling jacket with glycol inlet and outlet (3 zone for larger tank)
- Polyurethane insulation thickness 2" for cooling jacket on side and bottom
- Fully welded exterior shell
- 4 stainless steel legs with leveling foot pads in stainless steel
- CIP arm and spray ball. Co2 Blow-off arm in 2"
- Rotating tank racking arm
- PRV 15 psi
- Pressure gauge
- Thermometer
- Perlick style Sample valve
- Tank complete with fittings, valves and all parts



Item	Capacity	Diameter	Height	SKU	Price
7 barrel Fermenter	217 gal.	45"	96"	588-1	\$7,895.00
10 barrel Fermenter	310 gal.	53"	96"	588-2	\$9,295.00
15 barrel Fermenter	465 gal.	60"	109"	588-3	\$11,495.00
20 barrel Fermenter	620 gal.	60"	125"	588-4	\$13,595.00
30 barrel Fermenter	930 gal.	72"	143"	588-5	\$15,995.00
40 barrel Fermenter	1240 gal.	80"	153"	588-6	\$19,695.00
50 barrel Fermenter	1550 gal.	80"	172"	588-7	\$23,795.00
60 barrel Fermenter	1860 gal.	80"	192"	588-8	\$25,495.00
80 barrel Fermenter	2480 gal.	custom	custom	588-9	\$30,995.00
100 barrel Fermenter	3100 gal.	custom	custom	588-10	\$33,495.00



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304 stainless steel, sanitary construction 100% TIG welding and sanitary polish with stringent controls, inspections and pressure testing. We guarantee unsurpassed tank quality and fantastic value with all valves and fittings included at no additional cost.

Features:

- Design pressure 15 psi
- 4 stainless steel legs with leveling feet
- Interior shell: 304 stainless steel, thickness 11 gauge
- Exterior shell: 304 stainless steel, thickness 14 gauge
- Interior and exterior finish bright polish to 250 grit.
- Flanged and dished head top and bottom, 25% head space
- Racking port and discharge port with butterfly valve & fittings
- Side manway door, shadowless
- Dual zone cooling jacket (3 zone for larger tank)
- Polyurethane insulation thickness 2" for cooling jacket
- Fully welded exterior shell
- CIP arm and spray ball
- Carbonation system with 1" x 8" stone with built-in check valve.
- PRV 15 psi
- Pressure gauge, Thermometer, Perlick style sample valve
- Tank complete with fittings, valves and all parts



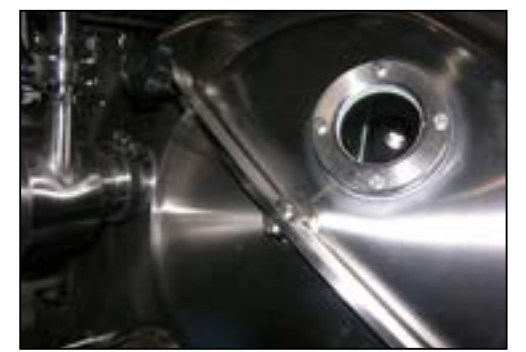
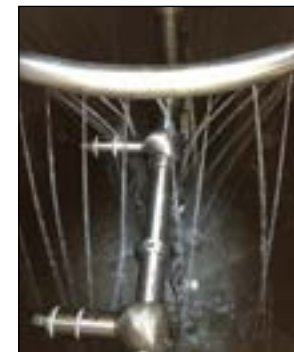
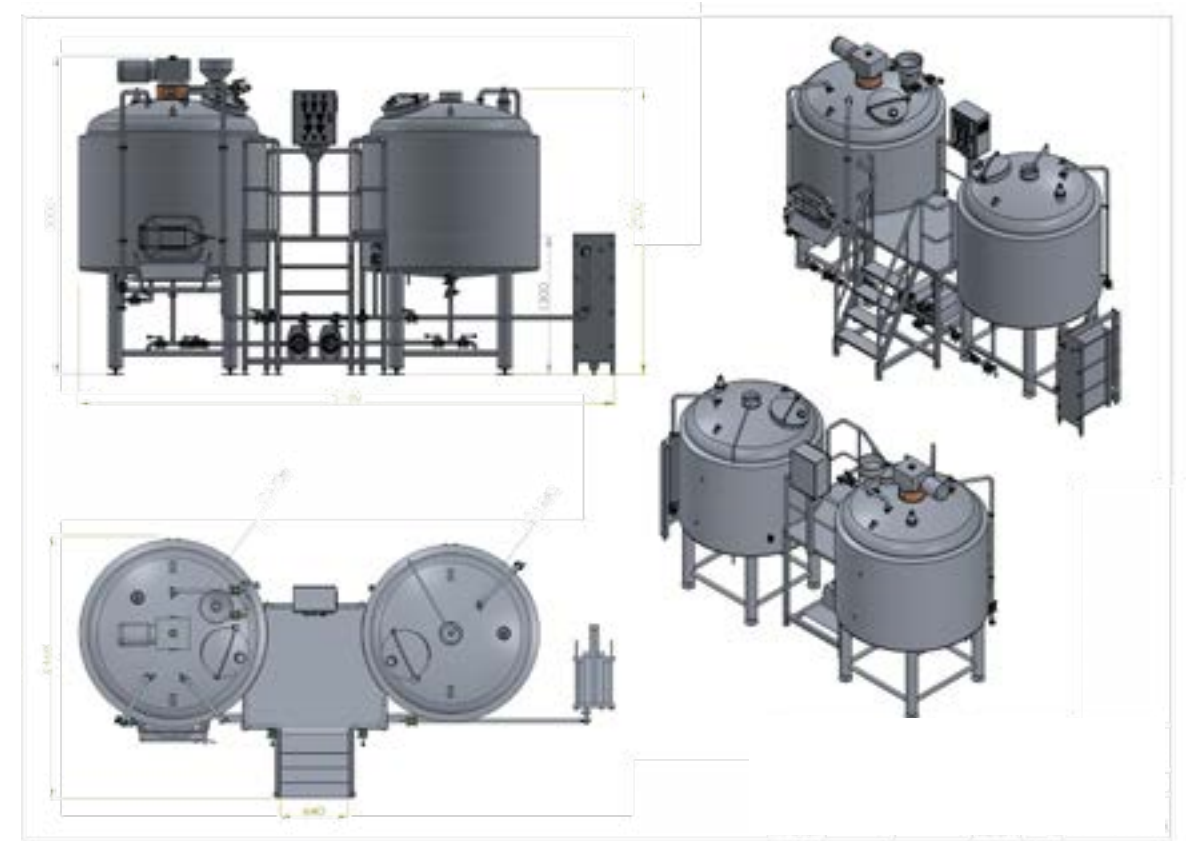
Jacketed Brite Tank	Capacity	Diameter	Height	Jacket	SKU	Price
7 Barrel Bright Tank	217 gal.	45"	81"	Double wall/insulated	575-1	\$7,895.00
10 Barrel Bright Tank	310 gal.	49"	91"	Double wall/insulated	575-2	\$9,295.00
15 Barrel Bright Tank	465 gal.	57"	94"	Double wall/insulated	575-3	\$11,495.00
20 Barrel Bright Tank	620 gal.	60"	104"	Double wall/insulated	575-4	\$13,595.00
30 Barrel Bright Tank	930 gal.	64"	128"	Double wall/insulated	575-5	\$15,995.00
40 Barrel Bright Tank	1240 gal.	72"	126"	Double wall/insulated	575-6	\$19,695.00
50 Barrel Bright Tank	1550 gal.	custom	custom	Double wall/insulated	575-7	\$23,795.00
60 Barrel Bright Tank	1860 gal.	76"	151"	Double wall/insulated	575-8	\$25,495.00
80 Barrel Bright Tank	2480 gal.	custom	custom	Double wall/insulated	575-9	\$30,995.00
100 Barrel Bright Tank	3100 gal.	custom	custom	Double wall/insulated	575-10	\$33,495.00

Single Wall Brite Tank	Capacity	Diameter	Height	SKU	Price
7 barrel Single Wall Bright Tank	217 gal.	43"	81"	586-1	\$5,295.00
10 barrel Single Wall Bright Tank	310 gal.	47"	91"	586-2	\$6,295.00
15 barrel Single Wall Bright Tank	465 gal.	55"	94"	586-3	\$7,495.00

SKU # 3203 Standpipe for brite tank 1.5" \$45.00
SKU # 3202 Standpipe for brite tank 2.0" \$60.00



Our brewhouse system is designed to serve craft brewers for producing high quality beer efficiently. Brewhouse is made of premium quality 304 stainless steel, integrated with two pumps, heat exchanger, stainless steel brewing platform, valves, sight glass, condensation stack, manual control panel and process piping in a compact and sanitary modular system. The two and three vessels brewhouse consist of a combined vessel of mashtun lauter tun, hot liquor tank, brewkettle & whirlpool. The brewhouse system includes butterfly valves, ball valves, sight glass, control panel, check valves, grist hydrater, wort oxygnation system, heat exchanger and hard plumbing for all transfers between vessels, CIP cleaning and beer out through the heat exchanger, and it complies with highest sanitary processing standards.



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Mash / Lauter Tun / Hot Liquor Tank Combine Vessel separating wort from grain and storing hot liquor.

- Dished top vessel, lauter tun has v-wired false bottom and hot liquor tank has a sloped bottom.
- Lauter tun is equipped with top mounted light, and side mounted grain out door and grain chute.
- Hot Liquor Tank equipped with level sight gauge and side mounted manway.

Material:

- Interior shell: 11 gauge stainless steel polished to 250 grit, fully welded, ground and polished hygiene surface.
- Exterior cladding: 14 gauge 2B finished, fully welded, ground and polished.
- Dished head with conical floor. A mash hydration unit on top of tank for complete doughing in of grain.
- Insulation: Polyurethane foam 2" thickness.

Brewkettle / Whirlpool Combine vessel for infusion or decoction mashing, wort boiling, precipitating protein & polyphenols.

- Steam jacket on the bottom and side of vessel to heat the wort.
- Sanitary centrifugal pump with variable speed control and water cooled bearings.
- Equipped with condensation stack with water spray nozzles.

Material:

- Internal shell: 11 gauge stainless steel polished to 250 grit, fully welded, ground and polished hygiene surface.
- External cladding 14 gauge 2B finished, fully welded, ground and polished.
- Insulation: Polyurethane foam 2" thickness.

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Two Vessel Brewhouse - Mash Tun/HLT combo and Brew Kettle/Whirlpool combo

7 bbl. Steam	7 bbl. Direct Fire	10 bbl. Steam	10 bbl. Direct Fire	15 bbl. Steam	15 bbl. Direct Fire	30 bbl. Steam
\$73,950.00	\$76,950.00	\$78,950.00	\$82,950.00	\$84,950.00	\$87,950.00	\$98,950.00

Three Vessel Brewhouse - Mash Tun, Hot Liquor Tank, Brew Kettle/Whirlpool combo

7 bbl. Steam	7 bbl. Direct Fire	10 bbl. Steam	10 bbl. Direct Fire	15 bbl. Steam	15 bbl. Direct Fire	30 bbl. Steam
\$83,950.00	\$86,950.00	\$88,950.00	\$92,950.00	\$94,950.00	\$97,950.00	\$108,950.00



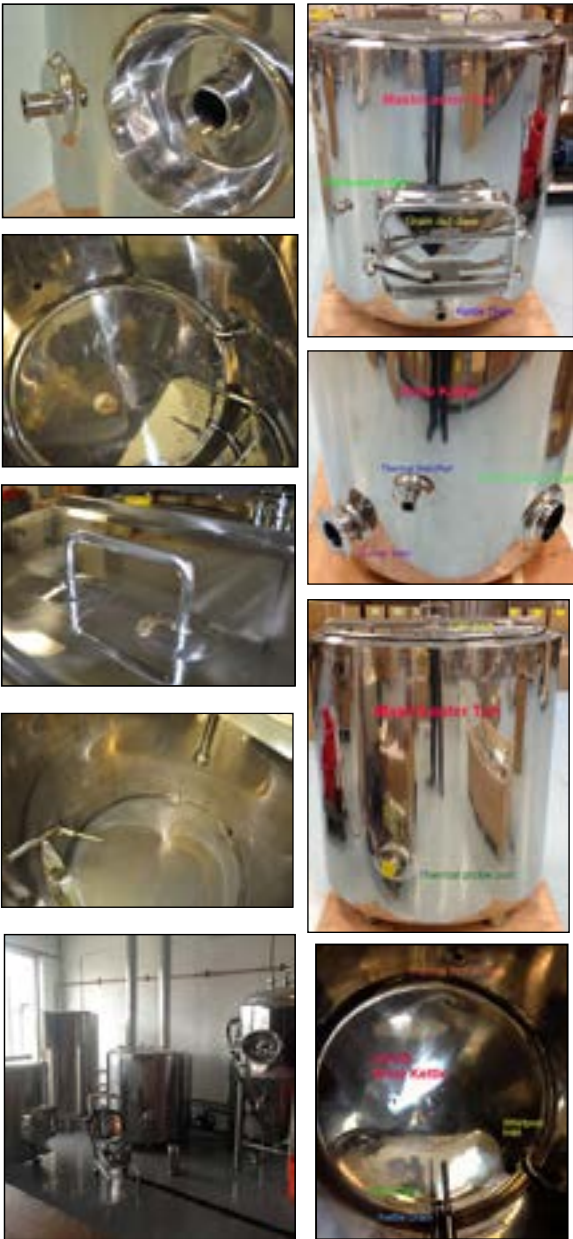


Brew Kettle System

Designed for quality beer, flexible brewing space layout and budget friendly priced. Our brew system meets the highest quality sanitary standards in construction with 304 stainless steel material and exclusively designed for professional brewers. All materials are 304 stainless steel, sanitary welded and polished Ra 32.

SKU #554-03	3 bbl. Brew Kettle System	\$26,950.00
SKU #554-05	5 bbl. Brew Kettle System	\$31,950.00
SKU #554-07	7 bbl. Brew Kettle System	\$40,950.00

Burner optional purchase \$1,295.00



- Brew Kettle System equipment included:
- Brew Kettle** (fire box without burner)
 - Double walled insulated with cladding
 - Three 1.5" TC outlets with butterfly valves.
 - Whirlpool & Baffle
 - Lid with hinges and 2" TC port for CIP
 - Thermometer and thermometer well
 - 6" vent port
- Mash & Lauter Tun**
 - Double walled insulated with Cladding
 - Two 1.5" TC ports with butterfly valves
 - Mesh Screen
 - Square side Manway for Grain out
 - Lid with hinges and 2" TC port for CIP
 - Thermometer and thermometer well
- Hot Liquor tank**
 - Double walled insulated with Cladding and electric heater
 - Two 1.5" TC ports with butterfly valves
 - Lid with hinges and 2" TC port for CIP
 - Thermometer and thermometer well
- Heat Exchanger**
- Sight glass, Check valve, Tee with pico carbonater.**
- Sanitary Thompson #5 pump with VFD, and mounted on S.S. cart)**
- Two 5' Goodyear Vintner Sanitary Hose**
- CIP Spray Ball**
- Optional purchase: Gas burner, control system, chiller, temperature controller & solenoid, fermenters & brite tanks
- Price does not include freight or installation/set up.

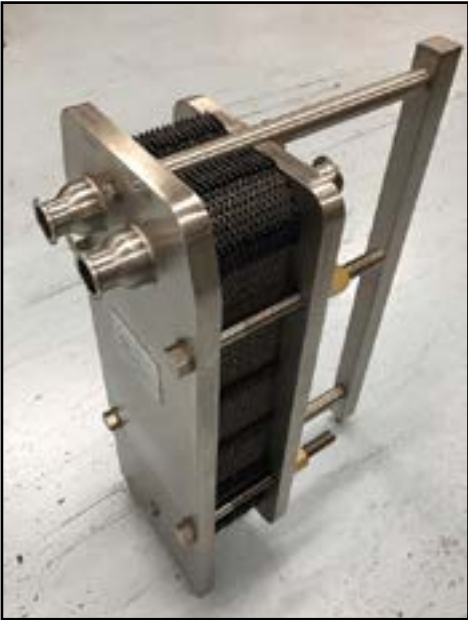
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3 bbl. Electric Brewhouse



Compact brewhouse with electric heating set up, also includes pump, heat exchanger , controller and stainless steel valve/piping. 304 stainless steel material, exclusively designed for pub or pilot system. All materials are 304 stainless steel, sanitary welded and polished Ra 32.



- 304 stainless steel, 2B finished, insulated with cladding
- Combi vessel: Mash / Lauter tun
- Combi vessel: Brewkettle / Whirlpool
- Stainless steel sanitary hard piping, manifold with valves and fittings.
- Side manway door
- Sanitary centrifugal pump
- Plate type heat exchanger
- Control panel
- Heating element & Thermometer
- Skid mount with caster wheels

SKU#587-03 \$34,950.00



Heat Exchanger

304 stainless steel sanitary heat exchanger designed for beverage & dairy processing. Heat Exchanger provides efficient heat transfer in compact footprint.

- Fixed bolted head, easy for inspection or CIP
- Maximum pressure: 10 bar
- Maximum temperature 250 F.

Heat Exchanger	Capacity	SKU	Price
2.6 sq. meter	5 - 7 bbl.	5451	\$1,675.00
6 sq. meter	10 - 15 bbl.	5452	\$2,275.00





Micro-Fermenter & Micro Brite Tank

Micro-fermenter at economical price to meet budget of many start up breweries, with guaranteed quality material and construction. 304 stainless steel material and components, sanitary construction 100% TIG welded and sanitary polished. All valves and fittings are included at no additional cost.

Features:

- Design pressure 15 psi
- Material 304 stainless steel, interior shell 11 gauge and cladding 16 gauge.
- Interior and exterior finish bright polish
- 60° cone bottom, with 25% head space
- Racking port and discharge port with econo-butterfly valve and fittings
- Side manway door.
- Dual zone dimple cooling jacket with glycol inlet and outlet
- Polyurethane insulation thickness 2" for cooling jacket on side and bottom
- 4 stainless steel legs with leveling foot pads in stainless steel
- CIP arm and spray ball
- Rotating tank racking arm
- Pico-PRV, Pressure gauge
- Thermometer, Sample valve
- Tank complete with fittings, valves and all parts



Item	Capacity	Manway Door	Diameter	Height	Carb Stone	Dry Hop Port	SKU	Price
3 bbl. Micro-Fermenter	93 gal.	Oval	36"	79"	No	No	558-03	\$5,795.00
5 bbl. Micro-Fermenter	155 gal.	Oval	42"	87"	No	No	558-05	\$6,595.00
7 bbl. Micro-Fermenter	217 gal.	Shadowless Oval	46"	99"	Included	3" on dish top	558-07	\$7,295.00
10 bbl. Micro-Fermenter	310 gal.	Shadowless Oval	54"	100"	Included	3" on dish top	558-10	\$8,395.00

Micro-brite tank at economical price to meet budget of many start up breweries. All valves and fittings included at no additional cost.

Features:

- Design pressure 15 psi
- 4 stainless steel legs with leveling feet
- Interior shell: 304 stainless steel 11 gauge & cladding 16 gauge.
- Interior and exterior finish bright polish.
- Flanged and dished head top and bottom, 25% head space
- Racking port & discharge port with Econo-butterfly valve & fittings
- Side manway door
- CIP arm and spray ball
- Pico Carbonator, Pico-PRV
- Pressure gauge, Thermometer, sample valve
- Tank complete with fittings, valves and all parts



Single Wall Brite Tank	Capacity	Diameter	Height	Carbonator	SKU	Price
3 barrel Single Wall Bright Tank	93 gal.	32"	61"	1/4" x 4" L.	566-03	\$3,395.00
5 barrel Single Wall Bright Tank	155 gal.	36"	67"	1/4" x 4" L.	566-05	\$3,795.00
7 barrel Single Wall Bright Tank	217 gal.	40"	75"	7/8" x 5" L.	566-07	\$4,395.00
10 Barrel Single Wall Brite Tank	310 gal.	44"	87"	7/8" x 5" L.	566-10	\$5,595.00
15 Barrel Single Wall Brite Tank	465 gal.	51"	95"	7/8" x 5" L.	566-15	\$6,795.00

Yeast Proagation & Specialty Tanks



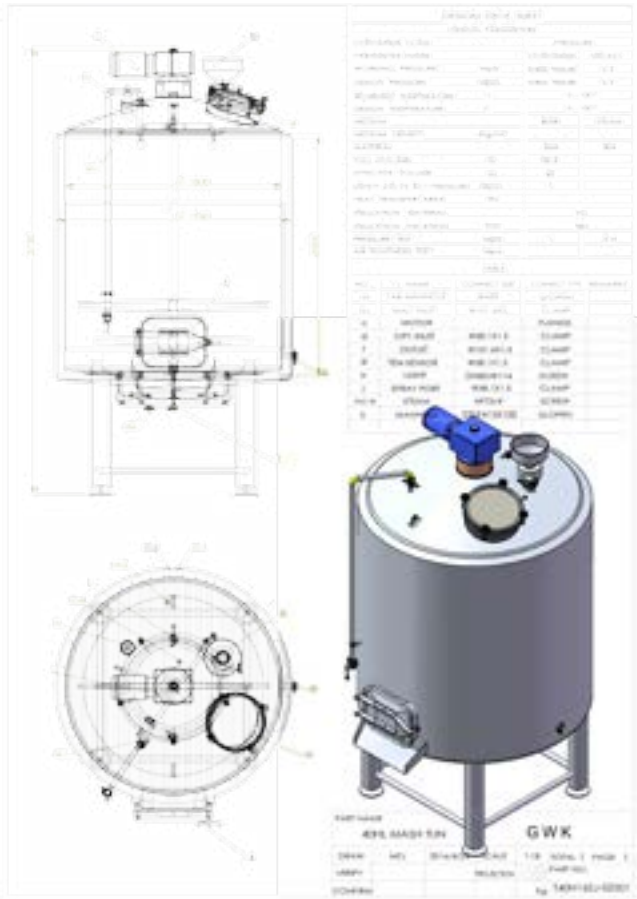
Distiller Mash Tun

Mash Tun with steam jacket and glycol jacket, many custom features to choose from.

Features:

- 18" glass manway on top.
- Grist hydrator with piping.
- Interior shell: 304 stainless steel 11 gauge & cladding 16 gauge.
- Interior and exterior finish bright polish.
- CIP set up

Item	Capacity	Manway Door	Grain Mixer	V-Wired False Bottom	SKU	Price
Distiller Mash Tun 500 gal.	500 gal.	No	Included	No	5525	\$19,950.00
Distiller Mash Tun 1000 gal.	1000 gal.	No	Included	No	5526	\$26,950.00
Distiller Mash Tun 500 gal.	500 gal.	Yes	Included	Included	5525-2	\$26,950.00
Distiller Mash Tun 1000 gal.	1000 gal.	Yes	Included	Included	5526-2	\$32,950.00



Distiller Blending Tank

Single wall tank for product mixing or blending. Includes mixer and CIP set up. Size from 500 gallons to 2000 gallons. Detail drawing, spec. and price coming soon.

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Yeast Propagation Tank

Tank with cooling jacket for yeast propagating, sanitary construction and designed in 304 stainless steel. Net capacity is 3 bbl. (100 gallon). We custom build larger capacity yeast tanks to meet your needs.

Features:

- Dimple jacket on shell and cone, 60 degree cone bottom with 4 legs welded.
- CIP set up, racking arm with 1-1/2" TC butterfly valve, discharge valve
- Top manway door, vacuum & pressure relief valve
- Thermometer and thermometer well
- Diameter 36" x height 68"

SKU #2539 \$5,295.00

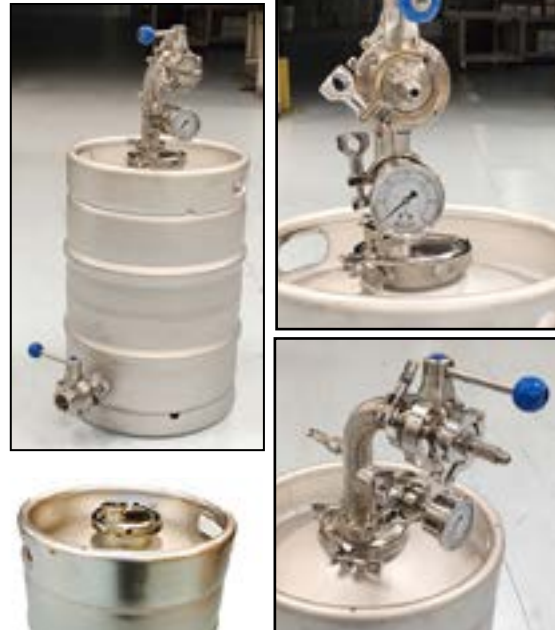


Yeast Propagation Keg System

Complete set up for yeast propagation in a 1/2 bbl. new converted keg with piping, valves, fitting and gauges. Butterfly valve for yeast slurry collection and gas connection for dispensing yeast from bottom butterfly valve. Built-in pressure relief valve at 40 psi.

- Brand new 15.5 gallon keg with 4" neck opening for easy cleaning.
- Includes yeast piping, sanitary pressure gauge, pressure relief valve, gas check valve, clamp and gasket.
- Two butterfly valves for inlet and outlet in 1.5" TC

SKU #2531-88 \$645.00



Keg for Yeast Propagation

Brand new converted 15.5 gal. keg designed for yeast propagation or special storage needs. Keg only, brewery needs to purchase valves, fittings and other parts for their own set up.

- 4" neck opening for easy cleaning.
- Includes a 4" end cap reducer to 1-1/2" TC, gasket & clamp.
- Transfer port in 1-1/2" TC ferrule welded on bottom side wall.

SKU #2531 - \$350.00



Turbidity Monitor for Yeast Harvest

Turbidity monitor is used for yeast harvest automation in breweries and can also be used to monitor CIP return lines for presence or absence of product allowing for optimized flush water use.

SKU #984-61 1.5" TC Turbidity Meter \$3000.00

SKU #984-62 2.0" TC Turbidity Meter \$3200.00



Pico Single Wall Beer Fermenter

Premium quality single wall beer fermenter for walk-in cooler placement.

- Design pressure 15 psi
- Thickness: : 304 stainless steel, thickness 11 gauge
- Interior and exterior finish sanitary polish
- 25% head space
- Racking port and discharge port with butterfly valve and fittings
- Top manway door
- CIP set up with spray ball
- Vacuum & pressure relief valve and sample valve included.



Single Wall Pico Fermenter	Capacity	Diameter	Height	SKU	Price
1 bbl. Single Wall Fermenter	31 gal.	20"	53"	559-1	\$1,795.00
3 bbl Single Wall Fermenter	93 gal.	32"	70"	559-3	\$2,695.00

Euro Transport Tank



- Design pressure 30 psi.
- Can be used as Unitank.
- Capacity 10 HL. (gross volume 8.5 bbl. or 264 gallons)
- Material: 304 stainless steel 2B finished.
- Diameter 39.4" x tank height 61.5" (total height 72")
- Cone bottom 120 degree, with forklift channel.
- Discharge ports with 1.5" butterfly valve TC
- CO2 inlet with ball lock quick disconnect
- CIP set up with spray ball.
- Pico Carbonation stone with check valve included 4"
- Top manway with PRV.

SKU #559-95 Euro Transport tank with glycol jacket \$6,595.00

Hot Liquor Tank

Item	SKU	Price
10 barrel Hot Liquor Tank	577-2	\$9,550.00
15 barrel Hot Liquor Tank	577-3	\$14,500.00
30 barrel Hot Liquor Tank	577-4	\$19,500.00
40 barrel Hot Liquor Tank	577-5	\$22,500.00
60 barrel Hot Liquor Tank	577-6	\$29,500.00





Hop Back

Hop back for flavor & aroma extraction, available for 1 bbl. and 3 bbl capacity.



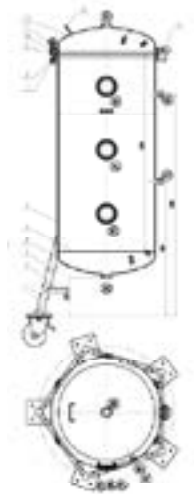
Beer inflow needs to match discharge flow. Sanitary construction in 304 stainless steel, polished Ra 32. Top manway with viewing glass.

- Internal Screen with handle & foot pads
- 3 port 1-1/2" TC (Valve & fittings are not included)
- Diameter 21" x tank height 31" and total height 41"
- Heavy duty caster mounted on legs

SKU #576-03 1 bbl. Hop Back \$1,595.00



Hop Infusing Tank

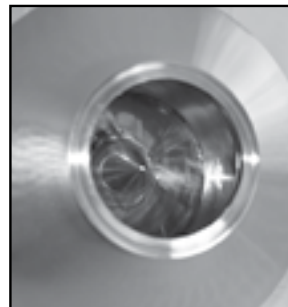


Designed for beer circulation under pressure to extract hops' and herb's fine aromas.

- Capacity: 100 gallons
- 304 stainless steel with caster wheels
- Pressure tested to 30 psi.
- Circulation piping, valve and manifold set up
- Diameter 24"
- 3 inspection sight glasses
- Two recirculating ports in 1" TC
- Inlet & outlet port 2" TC
- False bottom 500 microns with lifting handle
- Top manway
- Butterfly valve and fittings included

SKU #576-95 \$6,595.00

Grist Hydrator



For brewhouse grain/water mixing when dough into mash tun.

- 4" tri-clamp connection on grain feed on top and vessel connection on bottom.
- Water inlet to spray hat inside hydrator, connection is 1-1/2"
- 1/2" NPT female port (optional purchase of thermowell & thermometer)

SKU #5762 \$475.00

CIP, Keg Washers & Filler

CIP Cart

Complete CIP system mounted on cart with wheels for mobility. Efficient CIP system, designed to save time and cleaning chemical usage. Dual tank for cleaner and sanitizer, tank capacity is 50 gallons with built in electric heater for caustic application. Tanks, valves and piping is made of 316 stainless steel. Cart is made of 304 stainless steel. CIP pump is not included. Measurement 59" x 24" x 63"H Tank diameter 23" x 27"

SKU #2538 \$7,850.00



Mobile Steam Machine



Portable steam sanitation/sterilization system to eliminate organisms & bacteria in bottling line and barrels. Water pump on machine maintains water pressure at 60 - 80 psi and includes an automatic solenoid valve to control water. Includes steam hose and steam wand for barrel. 3-phase 220 V. 60 Hz. 30 Kw. steam machine for brewery cellar sanitation.

SKU #2540-3 \$6,595.00



Mobile Disinfection Ozone Cart

Mobile Ozone machine that delivers dissolved ozone for disinfection and odor control for oak barrel and equipment CIP. System includes diagnostic LED's, a stainless steel ozone generator and Mazzei venturi for efficient mass-transfer of ozone to water. Please use silicone hose for ozone application. 1-phase, 120 V. 60 Hz. with capacity 0.5 gpm. Inlet & outlet in 1.5" TC.

SKU# 2541-1 \$11,000.00



CIP Wall Mount Ozone Machine

Simple plug & play Ozone machine that delivers dissolved ozone for disinfection and odor control for oak barrel and equipment CIP. Wall mount system includes diagnostic LED's, a stainless steel ozone generator and Mazzei venturi for efficient mass-transfer of ozone to water. Please use silicone hose for ozone application. 1-phase 120 V. 60 Hz., capacity 0.2 gpm.

SKU#2541-20 \$850.00





We serve
national breweries,
neighborhood pubs
and
International craft
breweries with
convenient
one- stop shopping.



Semi-Automatic Beer Keg Washer & Filler

Monobloc design keg washer and filler consists of 1 keg cleaning station and 1 keg filling station, output capacity of 35 - 50 kegs per hour. Machine is operated with Siemens PLC controller to clean and fill kegs simultaneously. Kegs are loaded manually and pressed onto the pneumatic cylinder head. Two cleaning tanks, one for caustic and one for hot water with steam heating, level and temperature control. Two CIP pumps and electric heater included. For filling, keg is checked for CO₂ pressure then filling process starts automatically.



Specification & Technical Data:

- Table Size : 18.5" x 39.4"
- Table Height : 25.6"
- Capability: 35 - 50 kegs / hour
- Air Consumption: 4 - 11 m³/h
- Water Consumption: 0.5-1.5m³/h
- Power: 1.5KW
- Cleaning & Filling Type: inverted cleaning & filling
- Keg Size: diameter 9.9" - 16.5"
- height 10.6" - 22.4"
- Measurement: 48.5" x 55.1" x 81.9"
- Weight 970 lb.

Requirements:

- Power: 3-phase, 2200V, 60HZ
- Air supply pressure: 88 - 117 psi. (6 - 8 bar)
- Cylinder pressure: 59 - 74 psi (4 - 5 bar)
- CO₂ pressure: 30 - 44 psi (2 - 3 bar)
- Air blasting pressure: 30 - 44 psi (2 - 3 bar)
- Beer supply pressure: 30 - 44 psi (2 - 3 bar)
- hot acid temp.: 60° - 80° C
- hot caustic temp.: 60° - 80° C
- Acid, caustic concentration: 1% - 2%

SKU# 3322 \$27,500.00

Semi-Automatic Beer Keg Washer

Monobloc design keg with 2 keg cleaning stations with output capacity of 50 - 60 kegs per hour. Machine is operated with Siemens PLC controller. Kegs are loaded manually and pressed onto the pneumatic cylinder head. Two cleaning tanks, one for caustic and one for hot water with heating, level and temperature control.



Specification & Technical Data:

- Table Size(mm): 18.5" x 39.4"
- Table Height(mm): 25.6"
- Cleaning capability: 50 - 60 keg / hour
- Air consumption: 8 -22.5 m³/h
- Water consumption: 1 - 3m³/h
- Power: 1.5 KW
- Cleaning type: inverted cleaning
- Keg Size: diameter 9.9" - 16.5" height 10.6" - 22.4"
- Measurement: 47.3" x 66.9" x 81.9" Weight: 950 lb.

Requirements:

- Power: 3-phase, 2200V, 60HZ
- Air supply pressure: 88 - 117 psi. (6 - 8 bar)
- Cylinder pressure: 59 - 74 psi (4 - 5 bar)
- CO₂ pressure: 30 - 44 psi (2 - 3 bar)
- Air blasting pressure: 30 - 44 psi (2 - 3 bar)
- hot acid temp.: 60° - 80° C
- hot caustic temp.: 60° - 80° C
- Acid, caustic concentration: 1% - 2%

SKU# 3324 \$23,500.00

Semi-Automatic Beer Keg Filler

Monobloc design keg with 2 keg filling stations with output capacity of 50 - 60 kegs per hour. Machine is operated with Siemens PLC controller. Kegs are loaded manually and pressed onto the pneumatic cylinder head.



Specification:

- Table Size 38.6" x 18.7"
- Table height 8.3"
- Pneumatic Cylinder Piston Stroke 11.8"
- Capability 50 - 60 kegs / hour
- Filling Type upright
- Keg Size diameter 9.9" - 16.5" height 10.6" - 22.4"
- Measurement 38.6" x 25.8" x 59.5" H. Weight 254 lb.

Requirements:

- Power: 3-phase, 2200V, 60HZ
- Air supply pressure: 88 - 117 psi. (6 - 8 bar)
- Cylinder pressure: 59 - 74 psi (4 - 5 bar)
- CO₂ pressure: 30 - 44 psi (2 - 3 bar)
- Air blasting pressure: 30 - 44 psi (2 - 3 bar)
- Beer supply pressure: 30 - 44 psi (2 - 3 bar)

SKU #3326 \$18,500.00





Manual Beer Keg Washer



Manual keg washer designed to clean, sanitize and pressurize 2 kegs at the same time. Compact & mobile, with hand operated manifold that is simple to use and allows for flexible cycle timing.

- Output: 15 - 20 kegs / hour
- Frame in 304 stainless steel with caster wheels
- Controller with manual valves
- Caustic tank with electric heater
- Sankey cleaning head coupler with hose set up
- Stainless steel centrifugal pump 3 phase 220V
- Thermometer & pressure gauge
- Quick disconnect to Air & CO₂ supply line
- Titanium electrical heater 3 kw
- Detergent tank volume 20 gallon

Requirements:

- Water: 20 gpm supply @ 50 - 60 psi
- Air: 8 - 12 cfm @ 40psi
- CO₂: 8 - 12 cfm @ 20 psi
- Cleaner: low foaming acid/detergent no rinse sanitizer

SKU #3320 3-phase model Price \$8,995.00
SKU #3321 1-phase model Price \$8,995.00



Stainless Steel Bottles & Containers

304 stainless steel sanitary bottle & container for general processing & storage.

Item	Diameter	Height	Top Cover	SKU	Price
0.5 liter stainless steel bottle	3.35"	5.91"	2" TC end cap	299-05	\$69.00
1 liter stainless steel bottle	3.94"	7.09"	2" TC end cap	299-10	\$79.00
2 liter stainless steel bottle	4.73"	8.98"	3" TC end cap	299-20	\$99.00
3 liter stainless steel bottle	6.30"	8.15"	4" TC end cap	299-30	\$139.00
5 liter stainless steel bottle	6.30"	12.33"	4" TC end cap	299-50	\$149.00
10 liter stainless steel bottle	8.27"	14.30"	4" TC end cap	299-100	\$169.00
15 liter stainless steel bottle	10.63"	14.22"	4" TC end cap	299-150	\$199.00
5 gallon (20 L.) stainless steel container	12.5"	15"	8" lid with locking tab	297-20	\$199.00
10.6 gallon (40 L.) stainless steel container	12.5"	24"	8" lid with locking tab	297-40	\$219.00

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Carbonation Stones

Micro-Oxygenation Carbonation Stone Assembly

Sanitary designed for tank mounting with pipe extension. Submersing porous body diffuses CO₂ gas in 0.2 micron directly into liquid to create carbonation or micro-oxygenation. Using carbonation, it is possible to remove excessive quantity of dissolved air. Small quantity of unabsorbed gas passing up through liquid and being relieved from top of the tank carries off the undesirable air. Sanitary design and construction, the whole assembly can be taken apart for cleaning and diffusing stone can be replaced if clogged.

- Diffusing stone is 316 stainless steel 1" OD and 2 micron rating.
- Assembly consist 8" extension into tank
- Built-in check valve.
- Tank connection is 1-1/2" TC.



Item	Carb. Stone	Check Valve	Total Length	Connection	SKU	Price
8" Carbonation Stone Assembly	Dia. 1" x 8" L.	Built-in	18-1/2"	1.5" TC	85-50	\$345.00
12" Carbonation Stone Assembly	Dia. 1" x 12" L.	Built-in	22-1/2"	1.5" TC	85-52	\$395.00
Carb Stone 8" with tank extension	Dia. 1" x 8" L	1/4" MNPT external	19"	1.5" TC	85-71	\$345.00
Carb Stone 8" with tank extension	Dia. 1" x 8" L.	1/4" MNPT external	19"	2.0" TC	85-72	\$345.00
Carb Stone 12" with tank extension	Dia. 1" x 12" L.	1/4" MNPT external	24"	1.5" TC	85-73	\$395.00
Carb Stone 12" with tank extension	Dia. 1" x 12" L.	1/4" MNPT external	24"	2.0" TC	85-74	\$395.00
Replacement 8" stone	OD 1"		8"		85-54	\$135.00
Replacement 12" stone	OD 1"		12"		85-55	\$165.00
Replacement Seal Kit					85-50A	\$15.00

Inline Carbonation System

Heavy duty, sanitary built micro-oxygenation system for in-line set up.

- Diffusing stone is built-in in 316 stainless steel 1-1/2" OD x 4" length
 - 0.2 micron rating.
 - Built-in sight glass
 - Connection is 1-1/2" TC.
 - Gas connection is 1/4" ball valve with a quick disconnect.
- SKU #85-45A \$395.00



Carbonation

- Beers are carbonated with 2.45 to 2.85 volumes of dissolved CO₂.
- For best results when using force carbonation in a tank, the beer temperature should be 30° - 32° F.
- CO₂ gas solubility increases as beer liquid temperature decreases.
- 10 psi of CO₂ at 33° F gives 2.6 volumes CO₂ and at 40° F gives 2.3 volumes of CO₂.





Pico Carbonator

For carbonation or micro-oxygenation of beer for tank mount installation or in-line installation
Sanitary designed and construction with diffusing stone diameter 1/2" and 7/8".

- Diffusing stone is 316 stainless steel and 2 micron rating.
- Tank connection is 1-1/2" TC.
- Gas connection is 1/4" NPT female.
- Requires a check valve 1/4" NPT



Item	Carb. Stone	Total Length	Micron Rating	Connection	SKU	Price
Pico carbonator 1/2" x 4"	Dia. 1/2" x 4" L.	5-7/8"	2.0	1.5" TC	85-56	\$99..00
Pico Carbonator 7/8" x 5"	Dia 7/8" x 5" L	6-3/4"	2.0	1.5" TC	85-59	\$109.00
Pico Carbonator 7/8" x 8"	Dia. 7/8" x 8" L.	9-5/8"	2.0	1.5" TC	85-57	\$119.00
Instrument Check Valve		2"		1/4" NPT	989-14	\$69.00
Ball Check Valve Male to Female		2-1/8"		1/4" NPT	85-60	\$9.50
Ball Check Valve Male to Male		2-1/8"		1/4" NPT	85-61	\$9.50
Ball Check Valve Female to Male		2-1/8"		1/4" NPT	85-62	\$9.50

Carbonator 8" with Tank Extension

- Diffusing stone is 316 stainless steel with tank mounting extension
- External check valve included
- Tank connection in 1.5" TC or 2" TC
- Gas connection is 1/4" NPT male



Item	Carb. Stone	Total Length	Micron Rating	Connection	SKU	Price
Carbonator 8"	Dia. 7/8" x 8" L.	19"	0.5	1.5" TC	#85-66	\$175.00
Carbonator 8"	Dia. 7/8" x 8" L.	19"	0.5	2.0" TC	#85-67	\$175.00

Pin Point Carbonating System

- Two built-in diffusing stones in 316 stainless steel in 2 micron, mounted on stainless steel stand.
- Includes sight glass, check valve, pressure gauge, elbow and gas meter/regulator
- Liquid inlet and outlet is 1.5" tri-clamp. Gas connection is 1/4" NPT ball valve.

SKU #85-222 \$1,795.00



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Flow Meter



Electromagnetic Flow Meter

New generation, extremely accurate and proven design electromagnetic flowmeter from Anderson Instrument, utilizing sophisticated signal processing and circuit design to provide superior performance in a standard integral design that simplifies installation and start up. Measurement is unaffected by changes in viscosity, density or temperature. Flowmeter offers one scaled pulse output as standard, with an additional analog output as an option. Equipped with a display, access to two resettable totalizers and a rate indicator.

Specifications:

- Maximum Cleaning temperatue 250° F.
- Accuracy: +/- 0.25%
- Maximum pressure 145 psi. Minimum pressure 7 psi
- Material: housing 304, electrodes 316L.
- Remote with cable optional available.



Item	Flow Rate	Connection	SKU	Price
Electromagnetic Flow Meter 1"	0.8 - 80 gpm	1.5" TC	985-4	\$3,995.00
Electromagnetic Flow Meter 1-1/2"	1.3 - 130 gpm	1.5" TC	985-5	\$4,295.00
Electromagnetic Flow meter 2"	3 - 300 gpm	2" TC	985-6	\$4,495.00



Magnetic-Inductive Flow Meter

Affordable magnetic inductive flow and volume measurement of media. Includes display/read out with TC connection. CIP/SIP cleaning to max. 130° C up to 30 minutes.

Specifications:

- Exact measurement of media containg < 5% solids.
- Accuracy: +/- 0.5%



SKU# 984-7 Magnetic Inductive Flow Meter 1.5" TC \$2,995.00

SKU# 984-8 Magnetic Inductive Flow Meter 2.0" TC \$3,295.00

Sanitary Turbine Flow Meter

Turbine flow meter is used to measure fluid passed through the meter housing, and causes a rotor to spin with a rotational speed equivalent to the velocity of the fluid. Durable 316L stainless steel 2 piece design with rulon sleeve bearing, provides accurate reading. A 50 mesh screen gasket is recommended with turbine flow meter for accuracy.

Sanitary design and construction, meets 3-A sanitary standards and includes rater totalizer display in gallon. (display in liter special order only).

- Accuracy: +/- 0.5%
- Maximum temperatue 250° F
- Maximum pressure 115 psi.
- 316 stainless steel, 3A



Item	Flow Rate	Turbine Size	Connection	SKU	Price
Sanitary Turbine Flow Meter 1-1/2"	13 - 130 gpm	1-1-1/2"	1.5" TC	985-1	\$3,29500
Sanitary Turbine Flow meter 2"	25 - 250 gpm	2"	2" TC	985-9	\$3,495.00





GPI Sanitary Turbine Flow Meter

Sanitary 3A turbine flow meter with rater/totalizer to provide flow rate in gallons and liters on display. A 50 mesh screen gasket is recommended with flow meter.

- Accuracy: +/- 0.5% accuracy,
- Temperature range: -100° to 225° F
- Material: Housing, rotor & shaft in 316 L. stainless steel.
- 3A approval rated, NEMA 4
- Can be used for CIP or SIP



Item	Flow Rate	Turbine Size	Connection	SKU	Price
GPI Sanitary Turbine Flow Meter 1-1/2"	17 - 177 gpm	1-1/2"	2" TC	984-15	\$2,195.00



GPI Industrial Turbine Flow Meter

Compact, cost effective and accurate turbine flow meter with rater/totalizer to provide flow rate per minute and total flow volume.

- Accuracy: +/- 0.75% accuracy,
- Temperature range: -40° to 140° F
- 316 stainless steel housing, shaft Tungsten Carbide, rotor PVDF
- NEMA 4



Item	Flow Rate	Turbine size	Connection	SKU	Price
GPI Industrial Flow Meter 1"	5 - 50 gpm	1"	1.5" TC	984-3	\$895.00
GPI Industrial Flow Meter 1-1/2"	10 - 100 gpm	1-1/2"	2" TC	984-4	\$1,095.00
GPI Industrial Flow Meter 2.0"		2"	2.5" TC	984-5	\$1,495.00

Econo Turbine Flow Meter

Cost effective and accurate turbine flow meter with rater/totalizer to provide flow rate per minute and total flow volume.

- 316 stainless steel
- Accuracy: +/- 1.0% accuracy
- Temperature range: -100° to 300° F
- Maximum pressure 600 psi.



Item	Flow Rate	Turbine Size	Connection	SKU	Price
Econo Turbine Flow Meter 1"	0 - 50 gpm	1"	1.5" TC	985-8	\$995.00
Econo Turbine Flow meter 1-1/2"	15 - 180 gpm	1.5"	1.5" TC	985-9	\$1,095.00

Sanitary 3A Turbine Flow Meter

3-A turbine flowmeter with display/totalizer for direct mounting or remote mounting. Made of 316 L stainless steel, delivers low maintenance for CIP & SIP.

SKU #983-15 \$1,995.00



Beer Kegs & Accessories



- 304 stainless steel
- Micromatic valve spear & locking ring
- Made in China

1/2 Barrel Sankey Beer Kegs

Brand new keg 15.5 gallon with Micromatic Sankey tapping spear.

SKU #2525	1 - 95	\$105.00
	95 - 191	\$95.00
	192+	\$89.00

1/6 bbl. Sankey Beer Kegs

Brand new keg 5.16 gallon with Sankey tapping spear.

SKU #2526	1 - 101	\$75.00
	100- 199	\$69.00
	200+	\$60.00

1/4 bbl. Sankey Beer Kegs

Brand new keg 7.75 gallon with Sankey tapping spear.

SKU 2523	1 - 99	\$84.00
	100+	\$74.00

Schaeffer German keg with Sankey tapping valve. Made of 304 stainless steel with Micromatic Sankey valve spear. Max. operating pressure is 44 psi.

SKU #2533	1/2 bbl. (15.5 gal)	\$120.00
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SKU #2536	1/6 bbl. (5.16 gal)	\$109.00
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Rent to Own,
Keg Leasing!

Inspection Keg 1/2 bbl.

Brand new stainless steel kegs, capacity 15.5 gallons with 3 viewing sight glass for keg cleaning inspection or beer monitoring. Standard Sankey (D coupler) valve stem for filling and dispensing.

- One 4" sight glass and two 2.5" sight glasses

SKU #2532 \$425.00

15.5 gallon Cellar Keg with 4" TC Top

Brand new stainless steel kegs, capacity 15.5 gallons with 4" TC ferrule weld on top and 1-1/2" ferrule weld on bottom / side.

Designed for small lot storage and processing; with bottom port for easy transfer and cleaning. Fitting, tri-clamp and gasket is not included, please purchase them separately.

SKU #2534 \$285.00





Keg Filling Station

Keg filler with manifold, sight glass, sanitary pressure gauge, elbow, hose and fittings mount- ed on stainless steel stand. Set up for filling 3 kegs at a time with proline keg filler that stops automatically when keg is full. Brewery needs to have kegs, brite tank and hose to work with filling station.

- Includes stainless steel pipe stand, manifold, keg filler, sight glass, elbow, sanitary pressure gauge, and fitting.
- Beer line ball valve with hose barb and vinyl hose in 1/2” included.

SKU #3210	5 port keg filling station with 5 proline keg filler	\$2,000.00
SKU #3211	3 port keg filling station with 3 proline keg filler	\$1,495.00



Proline Keg Filler Head

Simple design and handy tool for small volume of keg filling in brewery operation. Affordable and time saving device for start-up operation.

- Equipped with Sankey keg coupler and bleed off valve.
- Automatic beer stop when keg is full. No wasted beer!
- Hose barb connection is 1/2”

SKU #5922	Proline Keg Filler with FOB	\$249.00
SKU #5923	Replacement FOB	\$139.00



Stainless Steel Coupler Filling Head

Designed for filling kegs and washing kegs with American Sankey coupler. Keg is inverted and wash solutions are injected under pressure through beer outlet. Cleaning chemicals and rinse water enter keg through the keg valve and cascade down the inverted keg’s inner surface. The wash solution and rinse water is then evacuated through the keg valve CO2 port on the coupler.

- Enlarged opening allowing fast liquid flow.
- Hose barb connection is 1/2”
- Stainless steel body, stainless steel handle and stainless steel probe, chemical resistant and long service life.

SKU #2512 \$109.00



Beer Line Shutoff Valve

Stainless steel ball valve with beer nut connection for shutoff.
SKU #2515 - \$25.50



Beer Keg Coupler - American Sankey

Beer keg coupler connects to keg valve for tapping beer. CO 2 gas line and beer hose attach to the coupler.

- Stainless steel body, stainless steel handle and stainless steel probe.
- Hose barb connection is 1/2”
- American Sankey.

SKU#2511 \$36.95



Beer Nut Adaptor with 1-1/2”TC

For connecting serving tank to beer line. Tail piece is not included.

Adaptor	SKU	Price
Male Beer Nut x 1.5 TC	85-05	\$19.00
Female Beer Nut x 1.5” TC	85-07	\$19.00
Beer Nut Female x 1/2” NPT Female	85-021	\$19.00
Beer Nut Female x 1/2” NPT Male	85-022	\$19.00
Beer Nut Female x 1/4” NPT Female	85-023	\$19.00
Beer Nut Female x 1/4” NPT Male	85-024	\$19.00
Quick Disconnect 1/4” Plug x 5/16” Hose barb	85-026	\$9.00
Quick Disconnect 1/4” plug x 3/8” Hose Barb	85-027	\$9.00
Quick Disconnect 1/4” plug x Beer Nut Female	85-028	\$19.00



Beer Line Parts

Draft dispensing line use, for connecting to beer nut (#85-05) and draft beer line.

SKU #85-05E	Beer Hex nut	\$1.50
SKU #85-05F	1/2” straight tail hose barb	\$1.50
SKU #85-05G	3/8” straight tail hose barb	\$1.50
SKU #85-05J	Bent tail hose barb 3/8”	\$5.00
SKU #85-05H	Bent tail hose barb 1/2”	\$5.00
SKU #85-05K	Silicone Washer	\$1.00



Beer Foam Detectors

Minimize beer loss when changing kegs with foam control. This reduces waste and maximizes glasses per keg.
SKU #2545 \$74.00



Draft Beer Foam Control Detectors

Wasted beer multiplied per glass cuts into profits, save money with draft beer foam control detectors from Micro-Matic

- Stainless steel wall mount for all long draw beer lines.
- Eliminates foam and wasted beer when keg is blown.
- 6 kegs of savings will pay for itself.

SKU #2514 \$149.00





Pneumatic Plug 1/2" x TC adaptor

For pneumatic quick disconnect with plug to tri-clamp connection, material 304 stainless steel.

- Plug 1/4"
- Tri-clamp 1-1/2"
- 304 stainless steel

SKU #85-03 \$19.00



Pneumatic Plug 1/4" stainless steel

For pneumatic quick disconnect

- Mates to coupler/socket 1/4"
- NPT 1/4" connection
- 304 stainless steel

SKU #85-04B Pneumatic Plug 1/4" Male \$7.50

SKU #85-04C Pneumatic Plug 1/4" Female \$8.50



Beer Line Y - stainless steel

304 Stainless steel Y for beer line connection.

SKU #2513 \$25.00



Keg Spear Removal Knife

SKU #2509 \$14.50



Tools for Keg Spear Removal

Hand tool designed for removal of sankey keg spear. Warning - keg pressure must be released prior to spear removal.

SKU #2508 \$349.00



O-ring for Sankey Keg Spear

EPDM, FDA material

SKU #2533A - \$1.00

Stainless Steel Sankey Retaining Locking Rings

SKU #2533B \$2.95

Rubber Gas Valves for Sankey valve spear

Replacement valve

SKU #2533C \$7.50



Pneumatic adaptor - 304 stainless steel

Adaptor	SKU	Price
Pneumatic Socket 1/4" Male	85-031	\$29.00
Pneumatic Socket 1/4" Female	85-032	\$29.00
Pneumatic Plug 1/4" Male	85-04B	\$7.50
Pneumatic Plug 1/4" Female	85-04C	\$8.50
Quick Coupler Socket with 1/4" Hose Barb	6031-1	\$29.00
Quick Coupler Socket with 5/16" Hose Barb	6031-3	\$29.00
Quick Coupler Plug with 1/4" Hose Barb	6031-2	\$9.50
Quick Coupler Plug with 1/4" Hose Barb	6031-4	\$9.50
Quick Disconnect 1/4" Plug x 5/16" Hose barb	85-026	\$9.00
Quick Disconnect 1/4" plug x 3/8" Hose Barb	85-027	\$9.00
Quick Disconnect 1/4" plug x Beer Nut Female	85-028	\$19.00



Ball Check Valve 1/4"

Inexpensive ball check valve in 304 stainless steel

SKU #85-60 Male NPT to female NPT flow \$9.50

SKU #85-61 Male NPT to Male NPT flow \$9.50

SKU #85-62 Female NPT to Male NPT flow \$9.50



Regulator Shut-off with built in Check Valve

Shut-off, with built in check valve to prevent back flow to protect regulator.

- Connection is 1/4" NPT male
- One end is 3/8" hose barb.

SKU #85-58 \$13.50



Ball Lock Quick Disconnect

Item	Barb Connection	SKU	Price
Liquid Ball lock Quick Disconnect	3/8"	2528	\$3.95
Gas Ball lock quick Disconnect	1/4"	2527	\$3.95





MicroMatic regulators for mixed gas and nitrogen, built for durability with forged brass body and chrome plated finish.



Double Gauge CO2 Regulator

Features:

- Safety pressure relief valve release at 55 - 65 psi.
- Output Pressure: 0 - 60 psi
- Tank Pressure: 0 - 3000 psi.
- Barb connection: 3/8" OD (fit 5/16" ID gas hose).

SKU #2517 - \$79.95

Double Gauge Nitrogen Regulator

Features:

- Safety pressure relief valve release at 55 - 65 psi.
- Output Pressure: 0 - 60 psi
- Tank Pressure: 0 - 3000 psi.
- Barb connection: 3/8" OD (fit 5/16" ID gas hose).

SKU #2518 - \$85.00

Double Gauge Mix-Gas Regulator

Features:

- Adjust pressure from 10 to 110 psi.
- Output Pressure: 0 - 120 psi.
- Tank Pressure: 0 - 3000 psi.
- Barb connection: 3/8" OD with shut-off.

SKU #2519 - \$89.00



Bronco Party Pump

Bronco pump with lever tap handle, hose & plastic beer faucet for keg beer dispensing

SKU #2549 \$39.00



Taprite CO2 Regulator

- Working pressure 0 - 50 psi.
- 60 lb. & 2000 lb. pressure gauges.
- Barb connection: 5/16" ID gas hose with check valve
- Polycarbonate bonnet will not chip, break or fade.
- 10 micron filter built in to keep contaminants out.

SKU #2547 - \$59.95

Taprite Nitrogen Regulator

- Working pressure 0 - 50 psi.
- 60 lb. & 3000 lb. pressure gauges.
- Barb connection: 5/16" ID gas hose with check valve
- Polycarbonate bonnet will not chip, break or fade.
- 10 micron filter built in to keep contaminants out.

SKU #2548 - \$69.95

Air Distributors Manifold

Brass 4 way manifold for gas regulator with manual safety release valve.

SKU #2546 \$59.00.00



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Bottling & Packaging Equipment



Sparkling Filler Monobloc

Counter pressure filling monobloc for 4 bottles filling with motorized bottle lifting design and safety guard that is shock-resistant. Filling cycle is fully automatic, operator only needs to load and unload bottles onto the plates. Filling valves have automatic levelling and anti-foaming technology. Machine allows air pre-evacuation, then charged with gas prior to filling.

- Production rate 200 - 300 bottle/hour
- Bottle diameter 50 - 110 mm (1.9" - 4.3")
- Bottle height: 150 - 380 mm (5.9" - 14.9")
- Material: 304 stainless steel
- Air consumption: 38 liter per hour
- Dimension 71" x 27" x 12" x 71" H weight 360 lb.

SKU #3351 \$21,950.00

Sparkling Filling Machine

A manual counter pressure filling machine for any carbonated beverage, made of 304 stainless steel for small lot commercial production. Liquid tank with large sight glass and pressure gauge. Equipped with pressure relief valve. Purges bottle with gas prior to liquid filling. Table top designed with protective polycarbonate cover for bottling.

Item	Production rate	SKU	Price
2 station Sparkling Filling Machine	100 bottle /hr	3359-2	\$6,295.00
4 station Sparkling Filling Machine	200 bottle/hr	3359-4	\$8,695.00



Pneumatic Capper Air-Matic

Semi-automatic pneumatic capping machine in 304 stainless steel suitable for small production of champagne, cider or beer. Air compressor is required.

Features:

- Use with diameter 26 mm or 29 mm crown cap.
- Production rate is 500 - 600 bottles per hour.
- Equipped with adjustable height, two lever handle activation and protective bottle cover.

SKU #2010 - \$895.00





Ecoval 20 Champagne Corker/Cager

Ecoval 20 semi-automatic pneumatic machine for corking and wire caging of sparkling bottled product or champagne. Monobloc design compact and mobile. Corker has stainless steel jaw and controlled by an actuator and bottle sensor. Wire caging is functioned by a group of pignon-rack in 3 turns and 1/8th to ensure the flatness of the ring.



- Rate of production : 300 to 500 bottles / hour
- Bottle spec: height 9.0" to 15.2" and diameter 2.56" to 4.6"
- Distribution of the corks : manual
- Distribution of the wirehoods : automatic (reserve of 60 wirehoods)
- Electrical power : 0,1 KW
- Air network connection : ¼" gas
- Supply voltage : 220 Volts
- Air consumption : 20 m3 / h
- Compressed air pressure : 88 psi (6 bars)
- Made in France

SKU #2017 \$27,650.00

Champagne Corker/Cager

Semi-automatic machine for corking & wire-caging made of 304 stainless steel mounted on wheel. Corker is activated by foot pedal with manual corks distribution and pneumatic bottles lifting. Corking jaws are made of stainless steel. Wire-hooder has turret with bottles lifting and pneumatic rolling cages with manual cage distribution.

- Production: 500 bottle/hour
- Bottle: 375 ml, 750 ml and 1.5 liter size
- Dimensions: 36" x 26" x 71" weight 420 lb.

SKU #2013 \$15,950.00



Champagne Capsule Smoother

Machine to smooth out champagne capsule

SKU #2014 \$1,950.00



Weight Conversions

1 kg.	=	1000 gram
1 kg.	=	2.205 lb.
1 kg.	=	1000 gram
1 lb.	=	453.6 gram
1 lb.	=	0.4536 kg.
1 metric ton	=	1000 kg.
1 metric ton	=	2205 lb.
1 U.S. ton	=	907 kg.

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6 Spout Gravity Filling Machine

A manual gravity filling machine, sanitary design made of 304 stainless steel. Best gravity filler on the market, offers many years of easy and trouble free bottling.

Features:

- Superior designed filling nozzles with automatic shut-off, fills every bottle at the same height.
- Fill heights can be adjusted in seconds by twisting filling head.
- Accommodates wide range of bottle heights with easy sliding bottle tray adjustment.
- Large holding tank with stainless steel float system, beverage can be pumped in or fed by gravity with connection in 1-1/2" TC.
- Easy to clean and very low maintenance cost.
- Production rate is about 700 bottles per hour.

SKU #2477 - \$1,795.00



Manual Rinser & Sparger for Bottles

Features:

- Rinser with 2 water jets as bottle rinser, water filter is included.
- Two jet spargers for gas, includes gas regulator and set up.
- Stainless steel frame on low stand for easy working height.

SKU #3355 - \$2,795.00



Manual Gas Sparger for Bottles

Features:

- Sparger with four jet spargers for gas sparging of bottles, includes gas regulator and set up.
- Stainless steel frame on low stand for easy working height.

SKU #3359 - \$2,395.00

Temperature	10 psi	11 psi	12 psi
38° F	2.38	2.48	2.57
39° F	2.34	2.43	2.52
40° F	2.30	2.39	2.47
41° F	2.25	2.34	2.43
42° F	2.21	2.30	2.39
43° F	2.17	2.26	2.34
44° F	2.13	2.22	2.30
45° F	2.08	2.17	2.26





Race Junior Manual Labeling Machine

Affordably priced with speed, accuracy and versatility for small run labeling operation.

- Roll diameter 8" maximum. Label height 5" maximum
 - Accomodates bottle diameter 1/2" to 4.5", front and back labels on the same roll with use of gap guide
 - Works with both left hand and right hand oriented labels. Will not work with magnums bottles
- SKU #3514 \$995.00



Race Razor Manual Labeling Machine

The Race Razor works with roll stock, fan-folded and flat stock labels. The labels can also be fed right out of a printer making it ideal for short print runs.

- Bottle or container size 1 1/2" to 5". Web width 1" to 6"
- Roll diameter 8" maximum. Label orientation #4 left edge leading
- Capable of applying front and back labels alternating on the same roll
- As containers are labeled, the used substrate is wound onto the crank roller keeping your work area clean.
- Approximate labeling speed is 10-15 containers per minute.

SKU #3513 \$1,250.00



Race Standard Manual Labeling Machine

- Works with any round container from 1" to 8" diameter
- Works with left hand or right hand oriented labels
- Handles label rolls up to 12" diameter and front and back labels on the same roll
- Easy adjustment to different size bottles. Light weight, portable and compact design

SKU #3512 \$1,495.00



AP-362 Semi-Automatic Labeling Machine

The perfect semi-automatic labeling solution for cylindrical containers as well as many tapered containers, including bottles, cans, jars and tubes.

Set-up and operation is fast and easy.

1. Set the guides
2. Place your container in the machine
3. Press the foot switch to apply label

The built-in spring-loaded pressure arm makes sure labels are applied firmly and without wrinkles. Fast labeling, able to apply labels at speeds of up to 1200 per hour. Labels are perfectly applied without wrinkles, giving your finished products a highly professional look. It can apply one or two different labels to a single container. A built-in LED counter and memory for up to nine front-to-back label offsets is also included.

Specifications:

- Container Width: 1" to 9.4" (25.4mm to 238mm)
- Container Diameter: 0.6" to 6.7" (15mm to 170mm)
- Container Shape: Cylindrical and many tapered. Roll diameter: Up to 8" (203mm)
- Media liner width: 1" to 8" (25.4mm to 213mm). Roll core: 2" to 3" I.D. (51.8mm to 76.2mm)
- Dimensions: 13.4" W x 8.9" H x 12.9" D (340mmW x 226mmH x 328mmD)

SKU #3515 \$1,795.00



Belgium style Champagne Corks

New generation of agglomerated cork with great structural stability for low CO 2 level sparkling product.

- Cork length is 44 mm x diameter 25.5 mm.

SKU #0014 \$179.00 per bag of 1000 corks.



Champagne Corks

Traditional agglomerated champagne cork with one disc.

- Cork length is 48 mm x diameter 30.5 mm.

SKU #0013 \$168.00 per bag of 500 corks.



Champagne Wires

Cager to hold down champagne cork when bottle is under pressure. Sold in case of 2700 wirehood.

SKU #2314 \$99.00 / box



Beer Carbonation Tester

Carbonation tester is designed to verify carbonation. Plastic container with handy label affixed to the outside of the tester to show the appropriate CO 2 volume based on temperature and pressure.

- Thermometer & gauge are pre-calibrated.
- Hose with quick disconnect included.
- Acrylic canister has 4.5 oz. capacity
- Plastic carrying case with foam protection.

SKU #2535 - \$295.00



Kleen Plug for Beer Tap

Keep beer tap clean and keep dust and other contaminants out overnight for better tasting beer with Kleen Plug. Easy to clean, just soak the plugs in sanitizing solution and wash and rinse prior to use.

SKU #4616	Blister pack of 5 plugs	\$14.50
SKU #4617	Kleen Plug Bulk (50 pcs. per case)	\$115.00



Kleen Pail

Plastic pail for sanitizer, warning mark to prevent errors& accidents in food processing facilities.

SKU #4619 \$12.00



G.W. Kent, Inc. offers commercial financing for equipment



Packaging Supplies



Crown Caps

Crown caps 26 mm, with oxygen-barrier liner. Packed in box of 10,000 caps. 6 case price break is based on same color, no mix & match.

Item	SKU	Price / case	6 case or more
Crown Caps - Black Color	2304-1	\$139.00	\$120.00
Crown Caps - Red Color	2304-2	\$139.00	\$120.00
Crown Caps - Silver Color	2304-3	\$139.00	\$120.00
Crown Caps - White Color	2304-4	\$139.00	\$120.00
Crown Caps - Green Color	2304-5	\$139.00	\$120.00
Crown Caps - Yellow Color	2304-6	\$139.00	\$120.00
Crown Caps - Gold color	2304-9	\$139.00	\$120.00
Crown Caps - U.S. Flag	2304-12	\$139.00	\$120.00

Keg Caps

Plastic caps for covering beer keg neck. Case price is based on same color, no mix or match.

Item	SKU	Price / 100 caps	Quantity (same color)
Yellow Keg Caps	5920-1	\$15.00	\$150.00 / case of 2000
Blue Keg Cap	5920-2	\$15.00	\$150.00 / case of 2000
White Keg Cap	5920-3	\$15.00	\$150.00 / case of 2000
Clear Keg Cap	5920-4	\$15.00	\$150.00 / case of 2000
Red Keg Cap	5920-5	\$15.00	\$150.00 / case of 2000
Green Keg Cap	5920-6	\$15.00	\$150.00 / case of 2000
Black Keg Cap	5920-7	\$15.00	\$150.00 / case of 2000



Item	SKU	Quantity (same color)
Tamper proof Black Keg Cap	5901	\$99.00/ case of 1000
Tamper proof White Keg Cap	5900	\$99.00 / case of 1000
Tamper proof Red Keg Cap	5902	\$99.00/ case of 1000
Tamper proof Blue Keg Cap	5903	\$99.00 / case of 1000

Bottle Sealing Wax

Hand dipping wine bottle sealing wax in one pound block, sufficient for 30 bottles. Apply by dipping bottle top into a pot of melted wax heated to about 300 F, using a "Fry Daddy" or crock pot. Products are in compliance with FDA regulations.



Item	Size	SKU	Price
Burgundy Wax	1 lb. block	2310-1	\$14.95
Green Wax	1 lb. block	2310-2	\$14.95
Black Wax	1 lb. block	2310-3	\$14.95
Metallic Gold Wax	1 lb. block	2310-4	\$17.50
Metallic Silver Wax	1 lb. block	2310-5	\$17.50
Metallic Copper Wax	1 lb. block	2310-6	\$17.50
Metallic Purple Wax	1 lb. block	2310-7	\$17.50
Yellow Wax	1 lb. block	2310-8	\$14.95
Red Wax	1 lb. block	2310-9	\$14.95

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Stainless Steel Growler

- 304 stainless steel
- Modern design with swing top closure
- Capacity 64 oz.

SKU #6257 1 - 11 \$16.50 each
12/case \$14.50 each



12 oz. Long Neck Beer Bottles

- Long neck amber color beer bottle, pry-off crown cap finish.
- Capacity 12 oz. Pack 24 bottle per case.
- Sold in pallet quantity of 108 case only.

SKU #6251 \$7.75 / case

22 oz. Bomber Beer Bottles

- Long neck amber color beer bottle, pry-off crown cap finish.
- Capacity 22 oz. Pack 12 bottles per case
- Sold in pallet quantity of 105 cases

SKU #6253 \$682.50

Celebration Bottles 750 ml.

- Amber color beer bottle, pry-off crown cap finish or cork finish
- Capacity 750 ml. Pack 12 bottles per case
- Sold in pallet quantity of 42 cases only.

SKU #6256 \$16.00 /case

Belgian Beer Bottles 750 ml Cork Finish

- Amber color
- Capacity 750 ml Pack 12 per case
- Sold in pallet quantity of 84cases only.

SKU #6252 \$1175.00 / pallets



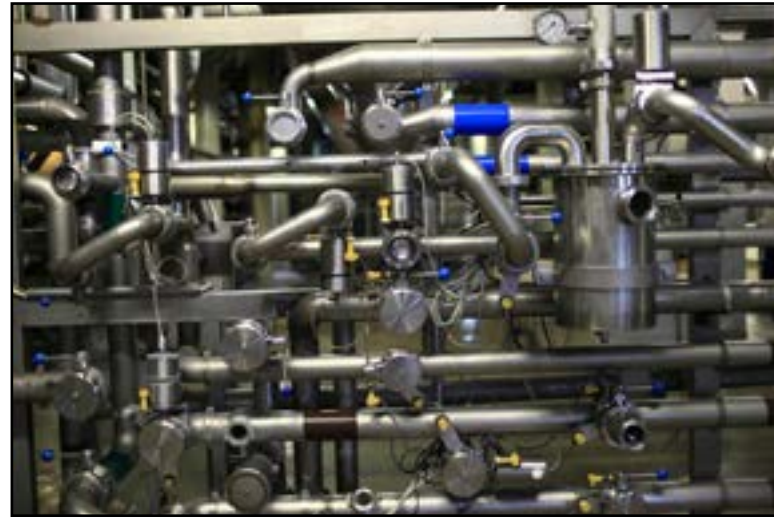
Glass Growler

- Amber color beer bottle, required 38 mm twist on/off finish cap.
- Capacity 64 oz. Pack 6 per case
- Sold in pallet quantity of 48 cases only.

SKU #6255 \$809.00 / pallets



Sanitary Valves & Fittings



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Butterfly Valves TC

Premium quality 304L stainless steel sanitary butterfly valve with 12 position locking handles. Handle is made of 304 stainless steel with beautiful mirror finish to match valve body. Handle will not break off like plastic type.

- Valve seat is silicone.
- Temperature range: 15° to 200° F.



304 stainless steel	Length	Pressure Rating	Flow Coefficient	Connection	SKU	Price
1" TC Butterfly Valves	Body 3.5"	140 psi	23 CV	1" TC	90-10	\$79.00
1-1/2" TC Butterfly Valves	Body 3.5"	140 psi	80 CV	1-1/2" TC	90-15	\$85.00
2" TC Butterfly Valves	Body 3.75"	140 psi	230 CV	2" TC	90-20	\$95.00
2-1/2" TC Butterfly Valves	Body 3.81"	110 psi	260 CV	2-1/2" TC	90-25	\$110.00
3" TC Butterfly Valves	Body 4.12"	110 psi	370 CV	3" TC	90-30	\$145.00
4" TC Butterfly Valves	Body 4.81"	85 psi	800 CV	4" TC	90-40	\$250.00
Pneumatic Actuator Butterfly Valve 1-1/2"	Body 3.5"	140 psi	80 CV	1-1/2" TC	904-15	\$275.00
Pneumatic Actuator Butterfly Valve 2"	Body 3.75"	140 psi	230 CV	2" TC	904-20	\$345.00
Pneumatic Actuator Butterfly Valve 3"	Body 4.12"	110 psi	370 CV	3"	904-30	\$395.00

Item	Size	Material	SKU	Price
Replacement Valve Seat	1"	Silicone	90-10A	\$7.50
Replacement Valve Seat	1.5"	Silicone	90-15A	\$7.50
Replacement Valve Seat	1.5"	EPDM	90-15B	\$7.50
Replacement Valve Seat	2"	Silicone	90-20A	\$9.50
Replacement Valve Seat	2"	EPDM	90-20B	\$9.50
Replacement Valve Seat	3"	Silicone	90-30A	\$14.00
Replacement Valve Seat	4"	Silicone	90-40A	\$20.00



Econo Butterfly Valves TC

Our econo sanitary Butterfly Valves are made of 304L stainless steel 4 position pull out locking handles. Valve seat is made of silicone. Good quality at lower price. Replacement valve seal is available in stock

- Valve seat is silicone.
- Temperature range: 15° to 200° F.



Item	Length	Connection	SKU	Price
Econo Butterfly Valve 1"	2-3/4"	1-1/2" TC	912-10	\$46.00
Econo Butterfly Valve 1-1/2"	2-3/4"	1-1/2" TC	912-15	\$49.00
Econo Butterfly Valve 2"	3"	2" TC	912-20	\$55.00
Replacement Econo Valve Seat 1"			912-10A	\$7.50
Replacement Econo Valve Seat 1-1/2"			912-15A	\$7.50
Replacement Econo Valve Seat 2"			912-20A	\$9.50





Butterfly Valves

304 stainless steel sanitary butterfly valve with 12 position locking plastic handles.

- Valve seat is Silicone
- Temperature range: 15° to 200° F.



304 stainless steel	Length	Pressure Rating	Connection	SKU	Price
1-1/2" TC Butterfly Valves Manual	3.5"	140 psi	1-1/2" TC	915-15	\$59.00
2" TC Butterfly Valves Manual	3.5"	140 psi	2" TC	915-20	\$69.00
Pneumatic Actuator Butterfly Valves	3.5"	140 psi	1-1/2" TC	914-15	\$195.00
Pneumatic Actuator Butterfly Valves	3.5"	140 psi	2" TC	914-20	\$229.00

DIN Butterfly Valves

304 stainless steel sanitary butterfly valve with 12 position locking plastic handles.

- Valve seat is silicone
- Temperature range: 15° to 200° F.



304 stainless steel	Length	Pressure Rating	Connection	SKU	Price
DIN 32 mm Butterfly Valves	3.5"	140 psi	32 mm male	919-32	\$89.00
DIN 40 mm Butterfly Valves	3.5"	140 psi	40 mm male	919-40	\$95.00
DIN 50 mm Butterfly Valves	3.5"	140 psi	50 mm male	919-50	\$119.00

Sanitary Diaphragm Valve TC

Diaphragm valve in 316 L. material, sanitary designed with complete drainage of fluid. It can be sanitized in line with steam (SIP or CIP) or autoclave. It also allows precise control of the fluid flow rate with low turbulence and minimal back pressure. Conforms to FDA standard, mirror polished surface prevents contamination and PFA diaphragm with support in EPDM.

316 stainless steel	Connection	Catalog	Price
Diaphragm Valve 3/4"	3/4" TC	905-34	\$145.00
Diaphragm Valve 1"	1" TC	905-10	\$175.00
Diaphragm Valve 1-1/2"	1-1/2" TC	905-15	\$195.00
Diaphragm Valve 2"	2" TC	905-20	\$245.00
Pneumatic Diaphragm Valve 1"	1" TC	9051-2	\$345.00
Pneumatic Diaphragm Valve 1-1/2"	1-1/2" TC	9051-3	\$375.00
Pneumatic Diaphragm Valve 2"	2"	9051-4	\$445.00



Encapsulated Ball Valves TC

Heavy duty sanitary ball valve full port with encapsulated teflon seats and tri-clamp connection. In-line designed for maximum flow capacity. Valves may be installed in any position. Made of 316 stainless steel.

- Body and Ball: 316 L. stainless steel
- Seat Material: Teflon
- Finish: 32 Ra ID & OD

316 Stainless Steel	SKU	Price
1" TC Encapsulated Ball Valve	982-10	\$79.00
1-1/2" TC Encapsulated Ball Valve	982-15	\$99.00
2" TC Encapsulated Ball Valve	982-20	\$139.00



Sanitary Ball Valves TC

304 Stainless steel sanitary ball valves with body that can be taken apart for easy cleaning and maintenance. Uniform bored diameter improves flow and eliminates pooling of potential contaminants. Handle is made of 304 stainless for long service life. Meets 3-A sanitary standards with mirror polish and stainless steel handle.

Item	SKU	Price
1" TC Ball Valves	98-10	\$85.00
1-1/2" TC Ball Valves	98-15	\$120.00
2" TC Ball Valves	98-20	\$150.00
3" TC Ball Valves	98-30	\$399.00
4" TC Ball Valves	98-40	\$595.00



Sanitary 2-Way Ball Valves TC

304 Stainless steel sanitary ball valves with light compact body design for general processing needs.

304 stainless steel	SKU	Price
1" TC Ball Valves	986-10	\$75.00
1-1/2" TC Ball Valves	986-15	\$95.00
2" TC Ball Valves	986-20	\$125.00



Sanitary 3-Way Ball Valves TC

304 Stainless steel sanitary ball valves with light compact body design for general processing needs.

304 stainless steel	SKU	Price
1" TC Ball Valves	987-10	\$165.00
1-1/2" TC Ball Valves	987-15	\$225.00
2" TC Ball Valves	987-20	\$325.00





Check Valve TC

304L stainless steel sanitary check valve, spring type one-way valve. Sanitary mirror polish meets 3-A standards.

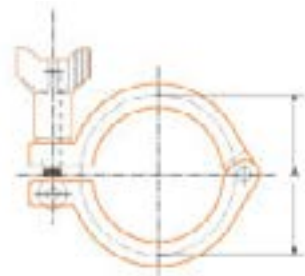
- Max. operating pressure: 140 psi
- Temperature Range: 15° to 200° F.

Item	Body Length	SKU	Price
Check Valves 1" TC	4"	94-10	\$110.00
Check Valves 1-1/2" TC	4"	94-15	\$120.00
Check Valves 2" TC	4"	94-20	\$150.00

Clamp

Premium quality clamp in 304 stainless steel. Single hinge pin.

Item	SKU	Price
Mini 1/2" & 3/4" TC	13MHM-12	\$7.50
1-1/2" TC	13MHM-15	\$7.50
2" TC	13MHM-20	\$8.75
2-1/2" TC	13MHM-25	\$12.00
3" TC	13MHM-30	\$13.50
4" TC	13MHM-40	\$16.00
6" TC	13MHM-60	\$35.00



Tri-clamp Size	A
1/2" & 3/4"	1.062"
1" & 1-1/2"	2.122"
2"	2.654"
2-1/2"	3.185"
3"	3.727"
4"	4.820"
6"	6.695"

High Pressure Clamp

Item	SKU	Price
3/4" Hi Pressure Clamp	1355-1	\$9.50
1-1/2" Hi Pressure Clamp	1355-2	\$14.50
2" Hi Pressure Clamp	1355-3	\$19.50
3" Hi Pressure Clamp	1355-4	\$24.50



Adaptor NPT to TC

304 stainless steel, heavy wall, sanitary mirror polish and meets 3-A standards.

Female NPT to TC Adaptor	SKU	Price
1-1/2" TC x 1/4" NPT Female	84-30	\$19.00
1-1/2" TC x 1/2" NPT Female	84-07	\$19.00
1-1/2" TC x 3/8" NPT Female	84-09	\$19.00
1-1/2" TC x 3/4" NPT Female	84-03	\$25.00
1-1/2" TC x 1" NPT Female	84-01	\$25.00
1-1/2" TC x 1-1/4" NPT Female	84-32	\$25.00
1-1/2" TC x 1-1/2" NPT Female	84-05	\$25.00
2" TC x 1" NPT Female	84-15	\$30.00
2" TC x 1-1/2" NPT Female	84-13	\$30.00
2" TC x 2" NPT Female	84-11	\$30.00
1.5" TC x 1/2" NPT F Thermometer	84-81	\$25.00
2" TC x 1/2" NPT F Thermometer	84-82	\$25.00
Mini 3/4" TC x 1/4" NPT Female	84-52	\$29.00
Mini 3/4" TC x 1/2" NPT Female	84-54	\$29.00
Mini 3/4" TC x 3/4" NPT Female	84-56	\$29.00



Male NPT to TC Adaptor	SKU	Price
1-1/2" TC x 1/4" NPT Male	84-31	\$19.00
1-1/2" TC x 1/2" NPT Male	84-08	\$19.00
1-1/2" TC x 3/8" NPT Male	84-10	\$19.00
1-1/2" TC x 3/4" NPT Male	84-04	\$25.00
1-1/2" TC x 1" NPT Male	84-02	\$25.00
1-1/2" TC x 1-1/4" NPT Male	84-33	\$25.00
1-1/2" TC x 1-1/2" NPT Male	84-06	\$25.00
2" TC x 1/2" NPT Male	84-18	\$30.00
2" TC x 3/4" NPT Male	84-19	\$30.00
2" TC x 1" NPT Male	84-16	\$30.00
2" TC x 1-1/2" NPT Male	84-14	\$30.00
2" TC x 2" NPT Male	84-12	\$30.00
Mini 3/4" TC x 1/4" NPT Male	84-51	\$29.00
Mini 3/4" TC x 1/2" NPT Male	84-53	\$29.00
Mini 3/4" TC x 3/4" NPT Male	84-55	\$29.00



Tee

304 stainless steel, heavy wall, sanitary mirror polish and meets 3-A standards.

Item	SKU	Price
1" Tee TC	7MP-10	\$38.00
1-1/2" Tee TC	7MP-15	\$45.00
Instrument Tee 1-1/2"	7MP-99	\$39.00
Reducing Tee 2" x 1-1/2"	7MP-97	\$52.00
2" Tee TC	7MP-20	\$57.00
2-1/2" Tee TC	7MP-25	\$79.00
3" Tee TC	7MP-30	\$99.00
4" Tee TC	7MP-40	\$165.00





Long Hose Adaptors

304 stainless steel, heavy wall with sanitary mirror polish.

Item	Length	SKU	Price
1" Hose Barb x 1-1/2" TC	4 1/2"	82-10	\$20.00
1-1/2" Hose Barb x 1-1/2" TC	4 1/2"	82-15	\$20.00
1-1/2" Hose Barb x 2" TC	4 1/2"	82-15A	\$24.00
2" Hose Barb x 2" TC	4 1/2"	82-20	\$24.00
2-1/2" Hose Barb x 2-1/2" TC	4 1/2"	82-25	\$30.00
3" Hose Barb x 3" TC	4 1/2"	82-30	\$45.00
4" Hose Barb x 4" TC	4 1/2"	82-40	\$56.00
6" Hose Barb x 6" TC	4 1/2"	82-60	\$120.00
1/4" Hose Barb x Mini 3/4" TC		82-90	\$25.00
3/8" Hose Barb x Mini 3/4" TC		82-91	\$25.00
1/2" Hose Barb x Mini 3/4" TC		82-92	\$25.00
3/4" Hose Barb x Mini 3/4" TC		82-93	\$25.00



Small Diameter Hose Adaptor

304 stainless steel for flexible hose.

Item	Length	SKU	Price
1/4" Hose Barb x 1-1/2" TC	2 1/4"	82-03	\$19.00
3/8" Hose Barb x 1-1/2" TC	2 1/4"	82-01	\$19.00
1/2" Hose Barb x 1-1/2" TC	2 1/4"	82-02	\$19.00
3/4" Hose Barb x 1-1/2" TC	2 1/4"	82-04	\$19.00



Short Hose Adaptor

304 stainless steel with sanitary mirror polish. Short length barb can be used with flexible vinyl hose, not recommended for suction type hose or heavy wall hose.

Item	Length	SKU	Price
1" Hose Barb x 1-1/2" TC	1 5/8"	823-10	\$10.00
1-1/2" Hose Barb x 1-1/2" TC	1 5/8"	823-15	\$12.00
2" Hose Barb x 2" TC	1 5/8"	823-20	\$17.00



Butt-Weld Hose Adaptor

316 stainless steel with sanitary mirror polish, butt-weld for tank or equipment welding application.

Item	Length	SKU	Price
1" Hose Barb Butt-Weld	4"	825-10	\$17.00
1-1/2" Hose Barb Butt-Weld	4"	825-15	\$25.00
2" Hose Barb Butt-Weld	4"	825-20	\$29.00
3" Hose Barb Butt-Weld	4"	825-30	\$45.00



Sight Glass

304 Stainless steel meets 3-A standards.. Glass is Pyrex Glass. Temperature up to 200° F.

Item	Total L.	Glass L.	Max. Pressure	Connection	SKU	Price
1" TC Sight Glass	5.75"	2.5"	140 psi	1" TC	92-10	\$75.00
1-1/2" TC Sight Glass	5.75"	2.5"	140 psi	1-1/2" TC	92-15	\$78.00
2" TC Sight Glass	5.75"	2.5"	140 psi	2" TC	92-2	\$96.00
2-1/2" TC Sight Glass	7.25"	2.5"	120 psi	2-1/2" TC	92-25	\$115.00
3" TC Sight Glass	7.25"	2.5"	120 psi	3" TC	92-30	\$150.00
4" TC Sight Glass	7.25"	2.5	90 psi	4" TC	92-40	\$185.00



Vista Sight Glass

304 Stainless steel meets 3-A standards. Glass is Pyrex Glass. Temperature up to 200° F.

Item	Total Length	Glass Length	Connection	SKU	Price
1" TC Vista Sight Glass	5.5"	3.35"	1" TC	923-10	\$75.00
1-1/2" TC Vista Sight Glass	5.5"	3.35"	1-1/2" TC	923-15	\$78.00
2" TC Vista Sight Glass	5.5"	3.35"	2" TC	923-20	\$96.00



Sight Glass with Protector

304 Stainless steel. Glass is protected with a stainless steel cover. Glass length is 3.9".

Glass is Pyrex Glass. Temperature up to 200° F.

Item	Length	Connection	SKU	Price
1" TC Sight Glass with protector	6.14"	1" TC	924-10	\$75.00
1-1/2" TC Sight Glass with protector	6.3"	1-1/2" TC	924-15	\$78.00
2" TC Sight Glass with protector	6.5"	2" TC	924-20	\$96.00



Tank Top Mount Sight Glass with Light TC

304 Stainless steel. Designed to be mounted on top cover of vessels or tank for product inspection and monitoring. Light is battery operated, no special wiring required. Glass is Pyrex Glass. Temperature up to 200° F.

Item	Connection	SKU	Price
3" Sight Glass with Light	3" TC	926-30	\$175.00
4" Sight Glass with Light	4" TC	926-40	\$245.00



Processing View Sight Glass

304 Stainless steel. Designed for vessel, tank and processing pipe mounting. Glass is Pyrex Glass. Temperature up to 200° F.

Item	Connection	SKU	Price
1-1/2" Processing View Sight Glass	1-1/2" TC	925-15	\$59.00
2" Processing View Sight Glass	2" TC	925-20	\$69.00
3" Processing ViewSight Glass	3" TC	925-30	\$95.00
4" Processing View Sight Glass	4" TC	925-40	\$125.00





Elbow

Heavy wall constructed sanitary elbow, mirror polished in 304L stainless steel.

Item	SKU	Price
1" TC 90° Elbow	2CMP-10	\$25.00
1-1/2" TC 90° Elbow	2CMP-15	\$25.00
2" TC 90° Elbow	2CMP-20	\$34.00
2-1/2" TC 90° Elbow	2CMP-25	\$59.00
3" TC 90° Elbow	2CMP-30	\$75.00
4" TC 90° Elbow	2CMP-40	\$120.00

Item	SKU	Price
Reducing Elbow 2" TC x 1-1/2" TC	2CMP-31MP	\$29.00
90° Elbow 1" TC x Butt-weld	2CMP-95	\$21.00
90° Elbow 1.5" TC x Butt-weld	2CMP-96	\$22.00
90° Elbow 2" TC x Butt-weld	2CMP-97	\$27.00

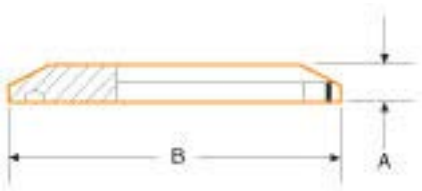
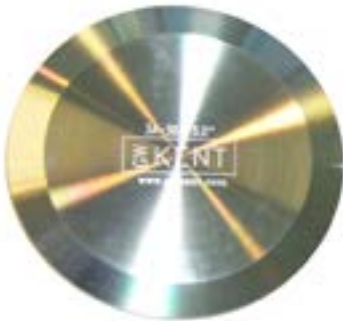
Item	SKU	Price
1" TC 45° Elbow	2KMP-10	\$37.00
1-1/2" TC 45° Elbow	2KMP-15	\$40.00
2" TC 45° Elbow	2KMP-20	\$45.00

Solid End Caps

A blind cap used to seal the end of tube or valves with TC ferrules. A clamp gasket and a clamp are needed for connection. 304 stainless steel.

Item	SKU	Price
Mini End Cap 1/2" & 3/4"	31616AMP-12	\$4.50
1-1/2" Solid End Cap	16AMP-15	\$3.75
2" Solid End Cap	16AMP-20	\$4.75
2-1/2" Solid End Cap	16AMP-25	\$7.50
3" Solid End Cap	16AMP-30	\$9.00
4" Solid End Cap	16AMP-40	\$18.00
6" Solid End Cap	16AMP-60	\$48.00

Tri-clamp Size	A	B
1/2"	0.187"	0.99"
3/4"	0.187"	0.99"
1" & 1-1/2"	0.250"	1.98"
2"	0.250"	2.52"
2-1/2"	0.250"	3.05"
3"	0.250"	3.58"
4"	0.312"	4.68"
6"	0.437"	6.56"



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TC Ferrules

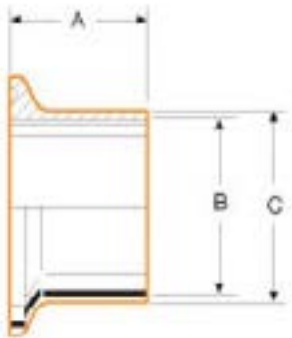


For TC connection welding to pipe available in long weld and short weld. 304 stainless steel mirror polish, meets 3-A sanitary standards.

Tri-clamp Size	A	B	C
1/2"	1.125"	0.37"	0.50"
3/4"	1.125"	0.62"	0.75"
1"	1.125"	0.87"	1.00"
1-1/2"	1.125"	1.37"	1.50"
2"	1.125"	1.87"	2.00"
2-1/2"	1.125"	2.37"	2.50"
3"	1.125"	2.87"	3.00"
4"	1.125"	3.83"	4.00"
6"	1.125"	5.78"	6.00"

Long Weld Ferrule	SKU	Price
1" Ferrule	14AM7-10	\$6.75
1-1/2" Ferrule	14AM7-15	\$6.75
2" Ferrule	14AM7-20	\$7.75
2-1/2" Ferrule	14AM7-25	\$10.75
3" Ferrule	14AM7-30	\$14.75
4" Ferrule	14AM7-40	\$19.75
6" Ferrule	14AM7-60	\$25.75

Short Weld Ferrule	SKU	Price
1" Ferrule	14WMP-10	\$4.75
1-1/2" Ferrule	14WMP-15	\$4.75
2" Ferrule	14WMP-20	\$5.75
2-1/2" Ferrule	14WMP-25	\$6.75



Tank Ferrules Heavy Wall 316 stainless steel

316 stainless steel	Length	Tube ID	Tube OD	SKU	Price
1/2" Tank Ferrule	1.62"	0.32"	0.52"	14MPW-01	\$9.50
3/4" Tank Ferrule	1.62"	0.57"	0.75"	14MPW-02	\$9.50
1" Tank Ferrule	1.62"	0.87"	1.00"	14MPW-03	\$9.50
1-1/2" Tank Ferrule	1.62"	1.37"	1.50"	14MPW-04	\$12.50
2" Tank Ferrule	1.75"	1.87"	2.00"	14MPW-05	\$16.50
2-1/2" Tank Ferrule	1.75"	2.37"	2.50"	14MPW-06	\$19.50
3" Tank Ferrule	1.81"	2.87"	3.00"	14MPW-07	\$26.50

Cross

304 stainless steel, heavy wall, sanitary mirror polish.

Item	SKU	Price
1" Cross TC	83-10	\$54.00
1-1/2" Cross TC	83-15	\$56.00
2" Cross TC	83-20	\$92.00
3" Cross TC	83-30	\$175.00
4" Cross TC	83-40	\$250.00





Y 304 stainless steel, heavy wall, sanitary mirror polish

Item	SKU	Price
1-1/2" Y Straight	797-15	\$69.00
2" Y Straight	797-20	\$79.00
3" Y Straight	797-30	\$125.00
1-1/2" Y Curved	798-15	\$79.00
2" Y Curved	798-20	\$79.00

Flange Adapters with Tube Butt-Weld

Adaptor for transiting from flanged piping systems to sanitary system . 316 L. stainless steel.

316 stainless steel	Flange diamter	Height	Flange thickness	SKU	Price
1" Flange x Tube Butt-weld	4-1/4"	2-1/16"	9/16"	38BW-10	\$55.00
1-1/2" Flange x Tube Butt-weld	5"	2-3/16"	11/16"	38BW-15	\$65.00
2" Flange x Tube Butt-weld	6"	2-1/2"	3/4"	38BW-20	\$95.00
3" Flange x Tube Butt-weld	7-1/2"	2-11/16"	15/16"	38BW-30	\$165.00
4" Flange x Tube Butt-weld	9"	2-15/16"	15/16"	38BW-40	\$250.00

Flange Adapters to TC

Adaptor for transiting from flanged piping systems to sanitary clamp connection.
316 stainless steel.

316 stainless steel	Flange diamter	Height	Flange thickness	SKU	Price
1" Flange x TC	4-1/4"	1-7/8"	9/16"	38MP-10	\$55.00
1-1/2" Flange x TC	5"	1-7/8"	11/16"	38MP-15	\$65.00
2" Flange x TC	6"	2-3/8"	3/4"	38MP-20	\$95.00
3" Flange x TC	7-1/2"	2-3/8"	15/16"	38MP-30	\$165.00
4" Flange x TC	9"	2-3/8"	15/16"	38MP-40	\$250.00

Beer Nut



For connecting brite tank to beer line, pipe thread is beer line thread 5/8", not NPT. Designed to thread on to beer line ball valve. Beer line ball valve and tail piece hose barb is not included.

SKU #85-05	Male beer thread	\$19.00
SKU #85-07	Female beer thread	\$19.00



Reducer - Concentric

304 stainless steel, heavy wall, sanitary mirror polish.

Item	SKU	Price
1" x 1-1/2" Reducer Concentric TC	31-14AMP1	\$35.00
1" x 2" Reducer Concentric TC	31-14AMP2	\$39.00
1-1/2" x 2" Reducer Concentric TC	31-14AMP3	\$39.00
1-1/2" x 3" Reducer Concentric TC	31-14AMP4	\$125.00
2" x 3" Reducer Concentric TC	31-14AMP5	\$60.00
2-1/2" x 1-1/2" Reducer Concentric TC	31-14AMP7	\$70.00
2-1/2" x 3" Reducer Concentric TC	31-14AMP9	\$70.00
4" x 2" Reducer Concentric TC	31-14AMP10	\$90.00
4" x 3" Reducer Concentric TC	31-14AMP6	\$140.00

Reducer - Eccentric

304 stainless steel, heavy wall, sanitary mirror polish.

Item	SKU	Price
1" x 2" Eccentric Reducer	32W-10	\$39.00
1-1/2" x 3" Eccentric Reducer	32W-15	\$125.00
1-1/2" x 2" Eccentric Reducer	32W-20	\$45.00
2-1/2" x 1-1/2" Eccentric Reducer	32W-25	\$70.00
2-1/2" x 2" Eccentric Reducer	32W-25A	\$70.00
2" x 3" Eccentric Reducer	32W-30	\$60.00
4" x 2" Eccentric Reducer	32W-40	\$90.00

End Cap Reducer

304 stainless steel, sanitary mirror polish.

Item	Height	SKU	Price
2" x 1-1/2" End Cap Reducer	1-3/8"	3116-1	\$24.00
3" x 1-1/2" End Cap Reducer	1-3/8"	3116-2	\$29.00
3" x 2" End Cap Reducer	1-3/8"	3116-4	\$29.00
4" x 1-1/2" End Cap Reducer	1-3/8"	3116-3	\$39.00
4" x 2" End Cap Reducer	1-3/8"	3116-5	\$39.00

CIP Pipe Adaptor for Plastic IBC with Rotating Spray Ball

Designed for clean-in-place plastic IBC, with adaptor thread on IBC cap and 1.5" TC for hose connection. Includes a rotating spray ball. Total length 23.5"

SKU #2758 CIP Adaptor & spray ball for IBC \$350.00





CIP Spray Balls

Rotating Spray Ball

A sanitary low flow cleaning spray head that is more efficient than traditional static spray balls. Rotating spray ball uses low volumes of water at low pressure, can be used in tanks up to 3000 gallons. Working principle is the flow of the cleaning liquid causes the head to rotate with fan jets laying out a swirling pattern throughout the tank. Rotating spray liquid generates a vibrating impact and cascading flow that efficiently cleans the inside wall of tank.



- Working Pressure: 14 - 44 psi (1 - 3 bar)
- Spray pattern: 360°
- Recommended Pressure: 30 psi (2 bar), screen gasket 100 mesh required.
- Max. working temperature: 200° F (95° C)
- Wetting coverage: 10 ft. (impact coverage 4 ft.)
- Lubricant: Self-lubricating with fluid

Item	Material	Connection	SKU	Price
CIP Rotating Spray Ball	304 S.S.	3/4" female NPT	80-94	\$125.00
CIP Rotating Spray Ball	304 S.S.	1" Pin-end	80-95	\$125.00
316 L. CIP Rotating Spray Ball	316 L S.S.	1" Pin-end	80-95P	\$145.00
CIP Rotating Spray Ball	304 S.S.	1-1/2" Pin-end	80-95B	\$125.00
CIP Rotating Spray Ball	304 S.S.	1-1/2" TC	80-96	\$125.00

Mini Spinner Spray Ball 3/4" NPT

Made of 316L stainless steel with coverage of 4 ft. in diameter at 360 degrees. Connection is 3/4" NPT female

- Operating pressure 15 - 64 psi
- Maximum pressure 60 psi and maximum temperature 200° F.
- Nozzle diameter 1.38" x L. 3.62"

SKU# 80-86 \$295.00

Sanitary static spray ball with 360° coverage,

- Working Pressure: 14 - 44 psi (1 - 3 bar)
- Spray pattern: 360° Coverage is 6 ft.
- Recommended Flow rate: 25 gpm @25 psi, screen gasket 100 mesh required.
- Max. working temperature: 200° F (95° C)

Static Spray Ball

304 stainless steel	Connection	SKU	Price
Static Spray Ball	1-1/2" TC	80-97	\$39.00
Static Spray Ball	1" Pin-End	80-98	\$39.00
Static Spray Ball	1.5" Pin-End	80-98A	\$39.00
Static Spray Ball	3/4" FNPT	80-99	\$39.00
Static Spray Ball	1" FNPT	80-991	\$39.00
Static Spray Ball	1.5" FNPT	80-992	\$39.00
Static Spray Ball	1" butt-weld	80-993	\$39.00
Static Spray Ball	1.5" butt-weld	80-994	\$39.00
Mini static Spray ball 1-1-/8"	1" pin-end	80-995	\$39.00

Barrel Cleaning Nozzles

- Coverage of 3 to 6 ft in diameter in 180°
 - Connection 3/4" FNPT. Diameter 1.25" and length 2.75"
 - Working pressure 1 to 4 bar
- SKU #80-93 \$125.00



Xactclean Spray Nozzles

Made of 316L stainless steel, higher impact for tough tank cleaning jobs. The internal turbine controls the rotation of spray ball so no gears are required. Connection is 1" NPT female.

- Spray pattern: 360 degree with cleaning coverage 20 ft.
- Operation pressure: 4 - 150 psi, max. pressure 300 psi
- Max. temperature: 175° F.
- Diameter 1.97" x L. 5.8"
- Operation: 44 gpm @150 psi in any position

SKU #80-87 \$795.00

Orbital Tank Cleaning Machine

High impact tank cleaning machine, gear-control & powerful solid jet spray. 360 degree spray pattern. Made of 316 stainless steel. Required line strainer 100 mesh size.

- Connection is 3/4" NPT female, cleaning coverage 26 ft.
- Diameter 2.13" x L. 5.24"
- Operating pressure 29 - 145 psi, max. 217 psi.
- Maximum temperature 203° F.

SKU #80-88 \$5,495.00



Miniature Bottle Spray Nozzles

Unique extremely small for bottles neck opening, Made of 316 stainless Steel. 300 degree spray down pattern.

- Length 1.1" by width 0.44" (11 mm).
- Made of 316L stainless steel with slide bearing.
- Maximum spray diameter 3 ft. Maximum temperature 375° F.
- Operating pressure 20 - 60 psi, flow rate 2 - 3 gpm.
- Maximum operating pressure 70 psi.
- Connection is 1/8" male NPT.



CIP Stainless Steel Mini Whirling Spray Nozzles

Made of 316L stainless steel with coverage of 3 to 5 ft. in diameter at 360 degrees. Tolerates a wide range of cleaners and solvents.

- Connection is 3/8" NPT male, nozzle can spin with pressure as low as 5 psi.
- Operating pressure 20 - 60 psi, flow rate 2 - 4 gpm.
- Maximum pressure 70 psi and maximum temperature 250° F.
- Nozzle length 2" by width 0.79" (20 mm).

PVDF Mini Whirling Spray Nozzles

Made of precision molded PVDF with coverage of 3 to 5 ft. in diameter at 360 degrees. Tolerates a wide range of cleaners and solvents.

- Connection is 1/2" NPT female, nozzle can spin with pressure as low as 5 psi.
- Operating pressure 20 - 60 psi, flow rate 2 - 4 gpm.
- Maximum pressure 70 psi and maximum temperature 190° F.
- Nozzle length 3" by width 1.18"



Item	Connection	Coverage	Pressure	SKU	Price
Miniature Bottle Spray Nozzles	1/8" NPT M	3 ft.	20 - 60 psi	80-89	\$179.00
CIP Stainless Steel Mini Whirling Spray Nozzles	3/8" NPTM	3 - 5 ft.	20 - 60 psi	80-90	\$179.00
PVDF Mini Whirling Spray Nozzles	1/2" NPTF	3 - 5 ft.	0 - 60 psi	80-91	\$69.00





TWK Rotating Spray Nozzles



Molded nozzle that is cost effective and compact for keg, barrel or tank cleaning.

- 300 degree spray down pattern.
- Nozzle width 0.98". Made of PVDF, self lubricating and self cleaning.
- Maximum spray diameter 10 ft. Maximum temperature 180° F.
- Operating pressure 20 - 80 psi, flow rate 2 - 7 gpm.
- Maximum operating pressure 70 psi.
- Connection is 1/8" male NPT.

SKU #80-92 1 - 9 \$59.00
10+ \$49.00



Spray Ball with 2" TC tank adaptor

An inexpensive CIP set up, using an existing 2" ferrule on top of tank for vent, sanitary designed & construction. Drop in set up of spray ball with liquid supply pipe welded with fitting in 2" TC.

- Tank Mount: 2" TC ferrule on exterior of tank dish head. Water Connection: 3/4" NPT male
- Working Pressure: 14 - 44 psi (1 - 3 bar) Spray pattern: 360°
- Recommended Flow rate: 25 gpm @25 psi.
- Max. working temperature: 200° F (95° C) Coverage: 6 ft.

SKU #80-99A \$109.00



Vacuum & Pressure Relief Valve

Made of 304 stainless steel with TC connections. Sanitary design and construction for beer tank.

Item	Pressure Rating	Tank Connection	SKU	Price
Vacuum & Pressure Relief Valve	15 psi	1-1/2" TC	96-15	\$179.00
Vacuum & Pressure Relief Valve	30 psi	1-1/2" TC	96-15A	\$179.00
Vacuum & Pressure Relief Valve	15 psi	2"	96-20	\$199.00
Vacuum & Pressure Relief Valve	30 psi	2"	96-20A	\$199.00
Adjustable Vacuum & Pressure Relief Valve	15 psi - 44 psi.	2"	96-33	\$250.00
Pico-PRV (for tank 10 bbl. or smaller)	15 psi	1-1/2"	96-31	\$99.00

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Bunging apparatus

A unique pressure device for beer fermenter, German bunging apparatus. A process to trap naturally occurring carbon dioxide gas emitted by the yeast near the end of fermentation. Spunding when fermentation is at 1.0 to 1.5° plato and allow the internal pressure of tank to rise to a desired pressure based on the temperature of the green beer. Sanitary design Bunging device is easy to take apart for cleaning. The desired limited overpressure is at brewer's discretion and tank pressure rating. The correct setting of the bunging pressure will prevent the production of too much bunged or stale beers.

- Econo Bunging Device, made of 304 stainless steel, pressure can be calibrated.
- 1.5" tri-clamp connection to tank can be CIP

SKU #96-39 \$395.00



Clamp Gasket

Our sanitary Buna gasket meets 3-A and USDA sanitary standard, buna material is not recommended for strong acids and ozone.

Buna Black Gasket

Item	SKU	Price
1" Buna Black Clamp Gasket	40MPU-10	\$0.75
1-1/2" Buna Black Clamp Gasket	40MPU-15	\$0.50
2" Buna Black Clamp Gasket	40MPU-20	\$0.50
2-1/2" Buna Black Clamp Gasket	40MPU-25	\$0.75
3" Buna Black Clamp Gasket	40MPU-30	\$0.75
4" Buna Black Clamp Gasket	40MPU-40	\$1.25
6" Buna Black Clamp Gasket	40MPU-60	\$8.00



Buna White Gasket

Item	SKU	Price
1" Buna White Clamp Gasket	40MPUW-10	\$0.75
1-1/2" Buna White Clamp Gasket	40MPUW-15	\$0.50
2" Buna White Clamp Gasket	40MPUW-20	\$0.50
3" Buna White Clamp Gasket	40MPUW-30	\$0.75

Viton Gasket

Provides high acid, steam & heat resistance. Meet 21CFR 177.2600. Passed U.S.P. Class VI Cytotoxicity testing. Temperature range -20° F to 410° F.

Item	SKU	Price
1/2" Viton Clamp Gasket	40MPSFY-12	\$2.00
3/4" Viton Clamp Gasket	40MPSFY-34	\$2.00
1" Viton Clamp Gasket	40MPSFY-10	\$2.00
1-1/2" Viton Clamp Gasket	40MPSFY-15	\$2.00
2" Viton Clamp Gasket	40MPSFY-20	\$3.00
3" Viton Clamp Gasket	40MPSFY-30	\$5.50
4" Viton Clamp Gasket	40MPSFY-40	\$6.50

Flange Buna Black Gasket

Item	SKU	Price
1" Flange Buna Black Clamp Gasket	40MPFU-10	\$1.50
1-1/2" Flange Buna Black Clamp Gasket	40MPFU-15	\$1.50
2" Flange Buna Black Clamp Gasket	40MPFU-20	\$1.50
3" Flange Buna Black Clamp Gasket	40MPFU-30	\$2.50

Gasket Material Reference

Performance Properties					
Property	Buna-N	Silicone	Teflon	EPDM	Viton
Tensile Strength	Fair-Good	Good	Excellent	Good-Excellent	Good-Excellent
Electrical Properties	Poor	Excellent	Excellent	Excellent	Good
Weather Resistance	Good	Excellent	Excellent	Excellent	Good
Ozone Resistance	Fair	Excellent	Excellent	Excellent	Excellent
Heat Resistance	225 F	450 F	450 F	275 F	400 F
Cold Resistance	-40 F	-80 F	-110 F	-55 F	-20 F
Steam Resistance	Good	Good	Excellent	Good-Excellent	Good
Tear Resistance	Good	Excellent	Excellent	Good	Fair
Acid Resistance	Good	Good	Excellent	Good-Excellent	Good

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Silicone Gasket

High purity silicone hygienic seals are the ideal choice for use in production facilities of pharmaceutical, biotechnology, food, beverage and high-purity water. Our silicone seals withstand temperature extremes, moisture and steam. Seal with smooth finish resists product adhesion. These odorless, tasteless, non-toxic hygienic seals maintain product integrity and can be autoclaved and gas sterilized. Meets U.S. pharmacopeia class VI, ASME-BSP, USDA and 3-A standard.

Item	SKU	Price
1/2" Silicone Clamp Gasket	40MPX-12	\$1.50
3/4" Silicone Clamp Gasket	40MPX-34	\$1.50
1" Silicone Clamp Gasket	40MPX-10	\$1.50
1-1/2" Silicone Clamp Gasket	40MPX-15	\$1.50
2" Silicone Clamp Gasket	40MPX-20	\$1.50
3" Silicone Clamp Gasket	40MPX-30	\$2.50
4" Silicone Clamp Gasket	40MPX-40	\$3.00

EPDM Black Gasket

Due to temperature limitations, not recommended for continuous use in steam-in-place procedures.


Item	SKU	Price
1" EPDM Black Clamp Gasket	40MPE-10	\$1.50
1-1/2" EPDM Black Clamp Gasket	40MPE-15	\$1.50
2" EPDM Black Clamp Gasket	40MPE-20	\$1.50
3" EPDM Black Clamp Gasket	40MPE-30	\$2.50
4" EPDM Black Clamp Gasket	40MPE-40	\$3.00

Teflon (PTFE) Gasket

Teflon is the material of choice whenever low temperature flexibility or gasket memory is not required. Teflon is not recommended where large temperature variations occur frequently, leakage can occur. Teflon has almost no extractables, has a low absorption rate and excellent resistance to process fluids. It can remain in service for longer periods of time in both water and steam for continuous use.

Item	SKU	Price
1/2" Teflon Clamp Gasket	40MPG-12	\$1.50
3/4" Teflon Clamp Gasket	40MPG-34	\$1.50
1" Teflon Clamp Gasket	40MPG-10	\$1.50
1-1/2" Teflon Clamp Gasket	40MPG-15	\$1.50
2" Teflon Clamp Gasket	40MPG-20	\$1.50
3" Teflon Clamp Gasket	40MPG-30	\$2.50
4" Teflon Clamp Gasket	40MPG-40	\$3.00

Tuf-Steel Gasket

 Unique 50/50 blend of non-pigmented PTFE and 316 L. water atomized and passivated stainless steel. A tough gasket as steam in place hygienic seal, excellent chemical resistance. Tuf-Steel gasket eliminates maintenance needs and helps prevent system downtime by eliminating cold flow creep. Ideal for steam pipe connections in both extreme cold (-100 degree F.) and hot conditions (up to 500 degree F.). Metal detectable. Meets USDA, 3-A sanitary standard, pharmacopeia class VI and ASME-BPE standard.

Item	SKU	Price
1" Tuf-steel Clamp Gasket	40MPGTS-10	\$6.95
1-1/2" Tuf-Steel Clamp Gasket	40MPGTS-15	\$5.95
2" Tuf-Steel Clamp Gasket	40MPGTS-20	\$7.95
3" Tuf-Steel Clamp Gasket	40MPGTS-30	\$9.95

Perforated Gasket


Item	SKU	Price
1" Perforated Clamp Gasket	40MPUP-10	\$44.00
1-1/2" Perforated Clamp Gasket	40MPUP-15	\$44.00
2" Perforated Clamp Gasket	40MPUP-20	\$46.00
2-1/2" Perforated Clamp Gasket	40MPUP-25	\$59.00
3" Perforated Clamp Gasket	40MPUP-30	\$59.00

Diffuser Aeration Gasket

Sanitary diffuser gaskets provide increased oxygen content and can also be used to diffuse digester gases such as hydrogen sulfide and sulphur dioxide. To introduce ozone for oxidizing and destroying bacterial and organic chemical contaminants and for carbon dioxide injection for recarbonization and pH adjustment. 316 stainless steel 2 micron porous disc molded with EPDM gasket. Requires 2 psi push gas. Meets 3-A, USDA, ASME-BPE, and pharmacopeia Class VI standard.

Item	SKU	Price
1-1/2" Diffuser Aeration Gasket	40MPD-15	\$125.00
2" Diffuser Aeration Gasket	40MPD-20	\$145.00

Screen Gasket

 Screen gasket are used in processing pipeline systems for beverage industries. Screen are made of 316 stainless steel for straining small amount of particles during liquid transfer. Gasket material are made from FDA compliant EPDM material. Screen material is 316 L. stainless steel.

Item	Gasket	Screen Mesh	SKU	Price
1-1/2" Screen Clamp Gasket 10 mesh	EPDM	10 mesh	40MPUS-15	\$44.00
1-1/2" Screen Gasket 20 Mesh	EPDM	20 mesh	40MPUS-15E	\$44.00
1-1/2" Screen Gasket 50 Mesh	EPDM	50 mesh	40MPUS-15M	\$44.00
1-1/2" Screen Gasket 100 Mesh	EPDM	100 mesh	40MPUS-15F	\$44.00
1-1/2" Screen Gasket 150 Mesh	EPDM	150 mesh	40MPUS-15X	\$44.00
2" Screen Clamp Gasket 10 mesh	EPDM	10 mesh	40MPUS-20	\$46.00
2" Screen Gasket 50 Mesh	EPDM	50 mesh	40MPUS-20M	\$46.00
2" Screen Gasket 100 Mesh	EPDM	100 mesh	40MPUS-20F	\$46.00
3" Screen Clamp Gasket 10 mesh	EPDM	10 mesh	40MPUS-30	\$59.00

Sock Screen Gasket

316 stainless steel 16 mesh screen. All material meets FDA, 3-A sanitary standard. Coverage of 300% more area than conventional screen gasket.

Item	Style	Gasket	Screen	Length	SKU	Price
1-1/2" Screen Gasket	Long Sock	EPDM	16 mesh	6"	1107-15L	\$49.00
2" Screen Gasket	Long Sock	EPDM	16 mesh	6"	1107-20L	\$54.00
1-1/2" Screen Gasket	Short Sock	EPDM	16 mesh	3/4"	1107-15S	\$49.00
2" Screen Gasket	Short Sock	EPDM	16 mesh	3/4"	1107-20S	\$54.00

NPT Valves & Fittings

NPT Ball Valve

Stainless steel ball valve with female NPT connection for general liquid or gas application.

Item	SKU	Price
1/4" Ball Valve NPTF	98-14	\$19.00
1/2" Ball Valves NPTF	98-12	\$24.00
3/8" Ball Valves NPTF	98-38	\$24.00
3/4" Ball Valves NPTF	98-34	\$27.00
1" Ball Valves NPTF	98-05	\$39.00
1-1/2" Ball Valves NPTF	98-06	\$59.00
2" Ball Valves NPTF	98-07	\$79.00





Instrument Check Valve

- 316 stainless steel precision instrument check valve
- 1/4" male NPT connection for liquid or gas application.
- Length 2"

SKU #989-14 \$69.00



Instrument Ball Valve

- 316 stainless steel precision instrument ball valve
- Male NPT connection for liquid or gas application.

Item	SKU	Price
1/4" Instrument Ball Valves	988-14	\$59.00
3/8" Instrument Ball Valves	988-38	\$69.00
1/2" Instrument Ball Valves	988-12	\$79.00
3/4" Instrument Ball Valves	988-34	\$99.00



Ball Check Valve 1/4"

Inexpensive ball check valve in 304 stainless steel.

- Male NPT x female NPT connection SKU #85-60 \$9.50
- Male NPT x Male NPT connection SKU #85-61 \$9.50

NPT Check Valve

304 stainless steel spring check valve with female NPT connection for liquid or gas application.

Item	SKU	Price
1/2" Check Valves NPTF	103-12	\$24.00
3/4" Check Valves NPTF	103-34	\$27.00
1" Check Valves NPTF	103-10	\$35.00



NPT In-line Y Strainer

304 stainless steel Y type strainer for in-line liquid application, like glycol return line to strain out particles to protect pump.



Item	SKU	Price
3/4" Y strainer NPTF	104-34	\$25.00
1" Y strainer NPTF	104-10	\$30.00
1-1/4" Y strainer NPTF	104-114	\$39.00
1-1/2" Y strainer NPTF	104-15	\$45.00

NPT Globe Valve & Gate Valve

Item	SKU	Price
1" NPT Gate Valve	991-10	\$65.00
1-1/2" NPT Gate Valve	991-15	\$125.00
1" NPT Globe Valve	992-10	\$65.00
1-1/2" Globe Valve	992-15	\$125.00

Tri-clamp size

Tri Clamp		Ferrule OD
1"	=	1.984"
1-1/2"	=	1.984"
2"	=	2.516"
2-1/2"	=	3.047"
3"	=	3.579"
4"	=	4.682"



1" Tri-Clamp



1-1/2" Tri-Clamp



2" Tri-Clamp

How to determine national pipe size

OD Fraction Inch (for quick reference only)	Pipe Thread Size
5/16	1/16
13/32	1/8
35/64	1/4
43/64	3/8
27/32	1/2
1-3/64	3/4
1-5/16	1
1-21/32	1-1/4
1-29/32	1-1/2
2-3/8	2
2-7/8	2-1/2
3-1/2	3
4	3-1/2
4-1/2	4

Pipe sizes do not refer to any physical dimensions. The outside diameter of each pipe or fitting must be measured and compared to the table for size identification. For example, a 3/4" NPT pipe thread has an outside diameter of 1.050 inches.



1" NPT Female



3/4" NPT Female



1" NPT Male



3/4" NPT Male





NPT Hose Nipples

Item	SKU	Price
1/4" Hose Nipple NPT	109-14	\$5.95
3/8" Hose Nipple NPT	109-38	\$5.95
1/2" Hose Nipple NPT	109-12	\$6.95
3/4" Hose Nipple NPT	109-34	\$7.95
1" Hose Nipple NPT	109-10	\$6.95
1-1/4" Hose Nipple NPT	109-114	\$12.95
1-1/2" Hose Nipple NPT	109-15	\$16.95
2" Hose Nipple NPT	109-20	\$19.95



NPT Tee

Item	SKU	Price
1/2" Tee NPT	107-12	\$5.95
3/4" Tee NPT	107-34	\$7.95
1" Tee NPT	107-10	\$9.95
1-1/2" Tee NPT	107-15	\$14.95
2" Tee NPT	107-20	\$24.95



NPT Elbows

90 degree elbow both end are female NPT. Street elb is male NPT and another end is female NPT.

Item	SKU	Price
1/2" NPT 90° Elbow	105-12	\$5.95
3/4" NPT 90° Elbow	105-34	\$5.95
1" NPT 90° Elbow	105-10	\$9.95
1-1/2" NPT 90° Elbow	105-15	\$14.95
2" NPT 90° Elbow	105-20	\$24.95
1/2" Street Elbow NPT	106-12	\$5.95
3/4" Street Elbow NPT	106-34	\$6.95
1" Street Elbow NPT	106-10	\$9.95
1-1/2" Street Elbow NPT	106-15	\$14.95
2" Street Elbow NPT	106-20	\$24.95



NPT Hexagon Nut

Item	SKU	Price
1/2" NPT Hexagon Nut	119-12	\$3.99
3/4" NPT Hexagon Nut	119-34	\$3.99
1" NPT Hexagon Nut	119-10	\$4.99
1-1/2" NPT Hexagon Nut	119-15	\$6.99

NPT Reducing Nipples

Item	SKU	Price
3/8" x 1/4" Reducing Nipple NPT	111-01	\$6.95
1/2" x 1/4" Reducing Nipple NPT	111-02	\$6.95
1/2" x 3/8" Reducing Nipple NPT	111-03	\$695
3/4" x 1/4" Reducing Nipple NPT	111-04	\$9.95
3/4" x 3/8" Reducing Nipple NPT	111-05	\$9.95
3/4" x 1/2" Reducing Nipple NPT	111-06	\$9.95
1" x 1/4" Reducing Nipple NPT	111-07	\$12.95
1" x 3/8" Reducing Nipple NPT	111-08	\$12.95
1" x 1/2" Reducing Nipple NPT	111-09	\$12.95
1" x 3/4" Reducing Nipple NPT	111-10	\$12.95
1-1/2" x 3/8" Reducing Nipple NPT	111-11	\$12.95
1-1/2" x 1/2" Reducing Nipple NPT	111-12	\$12.95
1-1/2" x 3/4" Reducing Nipple NPT	111-13	\$12.95
1-1/2" x 1" Reducing Nipple NPT	111-14	\$12.95
2" x 1" Reducing Nipple NPT	111-15	\$15.95
2" x 1-1/2" Reducing Nipple NPT	111-16	\$24.95
3" x 2" Reducing Nipple NPT	111-17	\$32.95



NPT Hexagon Plugs

Item	SKU	Price
3/4" Hexagon Plugs	115-34	\$6.95
1/2" Hexagon Plugs	115-12	\$6.95
1" Hexagon Plugs	115-10	\$6.95
1-1/2" Hexagon Plugs	115-15	\$8.95
2" Hexagon Plugs	115-20	\$12.95
3" Hexagon Plugs	115-30	\$19.95

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NPT Hexagon Bushing

Item	SKU	Price
3/8" x 1/4" Hexagon Bushing	113-01	\$6.95
1/2" x 1/4" Hexagon Bushing	113-02	\$6.95
1/2" x 3/8" Hexagon Bushing	113-03	\$6.95
3/4" x 1/4" Hexagon Bushing	113-04	\$6.95
3/4" x 3/8" Hexagon Bushing	113-05	\$6.95
3/4" x 1/2" Hexagon Bushing	113-06	\$6.95
1" x 1/4" Hexagon Bushing	113-07	\$8.95
1" x 3/8" Hexagon Bushing	113-08	\$8.95
1" x 1/2" Hexagon Bushing	113-09	\$8.95
1" x 3/4" Hexagon Bushing	113-10	\$8.95
1-1/2" x 1/2" Hexagon Bushing	113-11	\$12.95
1-1/2" x 3/4" Hexagon Bushing	113-12	\$12.95
1-1/2" x 1" Hexagon Bushing	113-13	\$12.95
2" x 1-1/2" Hexagon Bushing	113-14	\$14.95
3" x 2" Hexagon Bushing	113-15	\$19.95



NPT Hexagon Caps

Item	SKU	Price
3/4" Hexagon Caps	114-34	\$6.95
1" Hexagon Caps	114-10	\$6.95
1-1/2" Hexagon Caps	114-15	\$10.95
2" Hexagon Caps	114-20	\$12.95

NPT Hexagon Nipples

Item	SKU	Price
1/4" Hexagon Nipple	110-14	\$6.95
3/8" Hexagon Nipple	110-38	63.95
1/2" Hexagon Nipple	110-12	\$6.95
3/4" Hexagon Nipple	110-34	\$6.95
1" Hexagon Nipple NPT	110-10	\$9.95
1-1/4" Hexagon Nipple	110-114	\$12.95
1-1/2" Hexagon Nipple	110-15	\$14.95
2" Hexagon Nipple	110-20	\$19.95



NPT Barrel Nipples

Item	SKU	Price
3/4" Barrel Nipple	118-34	\$9.95
1" Barrel Nipple	118-10	\$12.95
1-1/2" Barrel Nipple	118-15	\$16.95
2" Barrel Nipple	118-20	\$19.95



NPT Welding Nipples

Item	SKU	Price
1/4" Welding Nipple NPT	112-14	\$6.95
1/2" Welding Nipple NPT	112-12	\$6.95
3/4" Welding Nipple NPT	112-34	\$6.95
1" Welding Nipple NPT	112-10	\$6.95
1-1/2" Welding Nipple NPT	112-15	\$8.95
2" Welding Nipple NPT	112-20	\$9.95



NPT Coupling

Item	SKU	Price
1/2" NPT Coupling	101-12	\$4.95
3/4" NPT Coupling	101-34	\$4.95
1" NPT Coupling	101-10	\$6.95
1/2" NPT Half Coupling	102-12	\$4.95
3/4" NPT Half Coupling	102-34	\$4.95
1" NPT Half Coupling	102-10	\$4.95





Sample Valves

Perlick Style Sample Valve 1-1/2" TC

Compact and sanitary design sample valve in 316 stainless steel with 1-1/2" TC connection. Special hook design for carbonated beverage attachment for sampling.
SKU #80-12 - \$99.00

Perlick Style Sample Valve 3/8" NPT

Compact and sanitary design sample valve in 316 stainless steel with 3/8" male NPT connection. Special hook design for carbonated beverage attachment for sampling.
SKU #80-124 - \$99.00

Perlick Style Swivel Sample Valve 3/8" NPT

Compact and sanitary design sample valve in 304 stainless steel with swivel nut in 3/8" male NPT connection. The Swivel nut allows adjustment of nozzle position.
SKU #80-125 \$99.00

Pig Tail Sample Valve

- 316 stainless steel, designed for carbonated beverage
 - 1-1/2 tri-clamp connect
 - Sanitary & compact designed for tank
- SKU #80-11 \$125.00



Sample Valve 1-1/2" TC

Will mount to a 1-1/2" TC ferrule on tank, made of 304 stainless steel with long body. Sanitary design and construction, easy to clean.
SKU #80-10 - \$45.00

DIN Sample Valve

DIN 15 mm Liner with nut sample valve for tank connection (male ferrule 15 required)
SKU #DIN75-15 \$95.00

Oak Barrel Sample Valve

For installation to oak barrel or cask. A 5/8" hole needs to be drilled on barrel for sample valve to be threaded into wood.
SKU #80-129 \$69.00

Tank sight gauge for liquid level display. Bottom sight gauge is a 3-way valve to control tank volume display. Glass tube for sight gauge is not included.

Item	SKU	Price
Level Sight Gauge Bottom Valve 1-1/2" TC	80-21	\$95.00
Level Sight Gauge Top Valve 1-1/2" TC	80-22	\$69.00



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Tank Thermometer, & Thermo Well

Sanitary Thermometer

- Sanitary 304 stainless steel with 4" dial face
- Dual scale 0 - 300° F

SKU #2822-1	Sanitary Thermometer 1.5" TC	\$125.00
SKU #2822-2	Sanitary Thermometer 2.0" TC	\$125.00

Sanitary Digital Thermometer

- Sanitary 3A digital thermometer with switch, please see spec online.
SKU #2822-6 \$295.00

Angle Thermometer

- Sanitary 304 stainless steel with 3" or 5" dial face
- Dual scale 0 - 300° F
- Connection: 1/2"
- Accuracy: 1.5%

Item	Dial Face	Prob Length	SKU	Price
Angle Thermometer 3"	3"	2.5"	2824-5	\$65.00
Angle Thermometer 5"	5"	2.5"	2824-6	\$75.00
Angle Thermometer 5"	5"	23.5	2824-7	\$95.00

Bimetal Thermometer

- Dial face: 3" stainless steel.
- Connection: 1/2" NPT.
- Accuracy: +/- 2%.
- Dual scale F & C in color

Item	Temp. Range	Probe Length	SKU	Price
Tank Thermometer	0-150°	2.5"	2823-1	\$16.00
Tank Thermometer	0-150°	5"	2823-2	\$16.00
Tank Thermometer	0-150°	6"	2823-3	\$16.00
Tank Thermometer	0-150°	9"	2823	\$16.00
Tank Thermometer	0-250°	2.5"	2823-6	\$16.00
Tank Thermometer	0- 250	5"	2823-8	\$16.00
Tank Thermometer	0-250°	9"	2823-7	\$16.00

- Thermometer Adaptor 1.5" TC x 1/2" NPT Female SKU #84-81 \$25.00
- Thermometer Adaptor 2.0" TC x 1/2" NPT Female SKU #84-82 \$25.00

Tank Thermometer Well

- Sanitary 304 stainless steel thermo-well
- Thermometer thread connection is 1/2" NPT female

Item	Probe Length	Tank Mount	SKU	Price
2-1/2" Sanitary TC Thermometer Well	2-1/2"	1-1/2" TC	80-153	\$39.00
5" Sanitary TC Thermometer Well	5"	1-1/2" TC	80-154	\$39.00
9" Sanitary TC Thermometer Well	9"	1-1/2" TC	80-155	\$39.00
9" probe Thermometer Well	9"	Welding	80-15	\$49.00





Venturi Injector

Engineered to introduce large but controlled amount of air mixed into liquid stream to help fermentation. Sanitary designed with sight glass. Injector for horizontal installation with same diameter pipe is recommended.

- 304 stainless steel material, mirror polished
- Built-in sight glass. Gas inlet with hose barb 3/8"

SKU #85-31	1.5" TC connection	\$395.00
SKU #85-32	2" TC connection	\$495.00

Sanitary Strainer

Basket strainers offer maximum flexibility in high capacity applications. Large surface area and side entry port allows high flow rates with minimal pressure drop. Strainer handles medium to fine straining.

- 304 stainless steel
- Polished 32 Ra
- Connection 2" tri-clamp
- Nominal Temperature 20° F
- Max. working pressure 200 psi (@70 F)



Tube Strainer

- Diameter 4" x Length 9.85"
- Connection 2" tri-clamp
- Mesh size 60 mesh

SKU #2026	Strainer with 60 mesh strainer basket	\$595.00
SKU #2026B	Optional 100 mesh Notch-Wire Basket	\$349.00

Bottom Entry L-type Strainer

- Diameter 4" x Length 13.94"
- Connection 2" tri-clamp
- Mesh size 60 mesh

SKU #2024	Strainer with 60 mesh strainer basket	\$695.00
SKU #2024B	Optional 100 mesh Notch-Wire Basket	\$349.00

Side Entry L-type Strainer

- Diameter 4" x Length 13.94"
- Connection 2" tri-clamp
- Mesh size 60 mesh

SKU #2025	Strainer with 60 mesh strainer basket	\$795.00
SKU #2025B	Optional 100 mesh Notch-Wire Basket	\$349.00

A strainer is a device that removes larger particles from liquid, using a perforated tube or mesh screen. Strainers can be used individually or in tandem with filter to remove larger particles, ideal for removing grain or hop particles prior to heat exchange.

Strainers

Sanitary strainer contains a housing and a perforated stainless steel basket insert for removal of particles larger than 1/4". Strainer can be used with a 10 micron screen gasket (not included) for finer particles removal. Liquid entry from top/side port and exit on bottom. Overall dimension is 4" x 40" L. Rubber band is included to hold sock screen for additional straining. Supersock is available to fit over screen for finer particles (not included).

- Material 304 stainless steel, sanitary construction.
- Basket insert diameter 3" and length 30" (super strainer) and 17" (short strainer)
- Hole 1/4" for high capacity flow.
- Inlet & outlet 2" TC

SKU #2023	Super Strainer	\$495.00
SKU #2022	Short Strainer	\$395.00



Supersock

Designed to fit over screen of superstrainer for finer particle removal. Pack 10 per bundle.

SKU #4046 \$6.00 / bundle of 10

Streamline Strainer

Sanitary streamline strainer contains a perforated stainless steel basket and a wire mesh basket that allows removing large particles, seeds, hops, and foreign particles from process stream. Strainers are suitable for horizontal or vertical mounting, directly into the pipe work.

Features:

- Material 304 stainless steel, sanitary construction.
- Two 3" screen inside, perforated screen and mesh screen.
- Inlet & outlet 2" TC
- Overall length (clamp to clamp) is 15-1/4" and diameter 4"

SKU #2020	Streamline Strainer	\$395.00
SKU# 2020A	Mesh Screen replacement	\$59.00



Pipe Hanger

For tank and processing pipe installation. 304 stainless steel.

Item	SKU	Price
1" Stainless Steel Pipe Hanger	6041	\$3.00
1-1/2" Stainless Steel Pipe Hanger	6042	\$3.50
2" Stainless Steel Pipe Hanger	6043	\$4.00



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Custom Piping, Manifold, & Brewery Parts

Sanitary Pipe Spool

Pre-fabricated sanitary pipe spool in 304 stainless with tri-clamp ferrule sanitary welded on 2 ends for quick easy connection. For 316 L. pipe spool, please email us for stock availability.



Pipe size	Length	Connection	SKU	Price
1" Sanitary Pipe Spool	6"	1.5" TC	604-1	\$29.00
1" Sanitary Pipe Spool	12"	1.5" TC	604-2	\$39.00
1" Sanitary Pipe Spool	24"	1.5" TC	604-3	\$59.00
1-1/2" Sanitary Pipe Spool	6"	1.5" TC	604-5	\$29.00
1-1/2" Sanitary Pipe Spool	12"	1.5" TC	604-6	\$49.00
1-1/2" Sanitary Pipe Spool	18"	1.5" TC	604-17	\$54.00
1-1/2" Sanitary Pipe Spool	24"	1.5" TC	604-7	\$59.00
1-1/2" Sanitary Pipe Spool	30"	1.5" TC	604-18	\$69.00
1-1/2" Sanitary Pipe Spool	36"	1.5" TC	604-19	\$79.00
1-1/2" Sanitary Pipe Spool	48"	1.5" TC	604-20	\$99.00
1-1/2" Sanitary Pipe Spool	60"	1.5" TC	604-21	\$119.00
1-1/2" Sanitary Pipe Spool	72"	1.5" TC	604-22	\$139.00
1-1/2" Sanitary Pipe Spool	84"	1.5" TC	604-23	\$159.00
2" Sanitary Pipe Spool	6"	2" TC	604-8	\$39.00
2" Sanitary Pipe Spool	12"	2" TC	604-9	\$59.00
2" Sanitary Pipe Spool	24"	2" TC	604-10	\$79.00
2" Sanitary Pipe Spool	49'	2" TC	604-11	\$129.00
3" Sanitary Pipe Spool	6"	3" TC	604-12	\$49.00
4" Sanitary Pipe Spool	6"	4"TC	604-14	\$59.00
4" Sanitary Pipe Spool	12"	4"TC	604-15	\$89.00
4" Sanitary Pipe Spool	48"	4" TC	604-16	\$279.00

Sanitary Through-the-Wall TC Pipe Adaptor

Item	Tank Cap Size	Pipe Length	Pipe Diameter	End Connection	SKU	Price
2.5" TC x 9" Length	2.5" TC	9"	1.5"	1.5" TC	6041-1	\$45.00
2.5" TC X 15" Length	2.5" TC	15"	1.5"	1.5" TC	6041-2	\$55.00
3" TC x 9" Length	3" TC	9"	1.5"	1.5" TC	6041-3	\$50.00
3" TC x 15" Length	3" TC	15"	1.5"	1.5" TC	6041-4	\$60.00

Sanitary Processing Piping

Stainless steel pipe for food and beverage processing, with inside and outside polished and meets 3A standard. We stock both 304 stainless and 316 stainless steel. All tube in 20 ft. length and sold in full 20 ft. length, minimum order 100 ft. Shipped via common carrier trucking only. Please email size and quantity for quote.



Features:

- ASTM 249-08 / ASME SA 249-E07 3A 33-02 saitary pipe, 0.065 wall
 - Welded tube, inside and outside polished, ID 20u in Ra and OD 30u in Ra.
 - Stock available in 1", 1-1/2" and 2" size, in 304 stainlesss steel.
- Sizes available 1/2" up to 8"

Manifold

Perfect for filling and bottling run, or any multi-tasking operation, 304 stainless steel sanitary designed and construction.



Item	Pipe diameter & 2-end	Port	Port Size	Total Length	SKU	Price
3 port x 1.5" Manifold	1.5" x 1.5" TC	3	1.5" TC	16"	3201	\$125.00
5 port x 1.5" Manifold	1.5" x 1.5" TC	5	1.5" TC	20"	3200	\$145.00
5 port x 2" Manifold	2" x 2" TC	5	1.5" TC	20"	3200-2	\$195.00
5 port x 3" Manifold	3" x 3" TC	5	1.5" TC	20"	3200-3	\$245.00

Pipe Stand - Foldable

Design to hold 1.5" processing pipe. Foldable for storage.

- 304 stainless steel, sanitary polished
- Width 15.5" x Height 36"

SKU #2433 \$239.00



Tank Racking Arm

Design to fit into jacketed tank for connection to valves and tank with 1.5"TC.

SKU #3206 \$135.00



Sanitary Sparging Head

SKU # 3208 Sparger Head \$95.00



Pressure Arm Manifold

- 304 stainless steel sanitary manifold, length 5-11/16"
- Pipe diameter 1-1/2", end connection 1-1/2" tri-clamp.
- One 1/4" NPT female for pressure gauge connection
- One 1/4" Male NPT for ball valve connection
- Pressure gauge & ball valve not included with manifold

SKU #3215 \$99.00



Hose Nipple Manifold

- 304 stainless steel sanitary manifold, length 5-11/16"
- Pipe diameter 1-1/2", end connection 1-1/2" tri-clamp.
- One 3/8" NPT male connection
- Two 1/4" Hose barb connection

SKU #3213 \$99.00





Butt Weld Valves & Fittings



Butterfly Valve Butt Weld

304L stainless steel, sanitary mirror polish and meets 3-A standards.

Item	SKU	Price
1" Butterfly Valves Butt Weld	91-10	\$74.00
1-1/2" Butterfly Valves Butt Weld	91-15	\$80.00
2" Butterfly Valves Butt Weld	91-20	\$90.00
2-1/2" Butterfly Valves Butt Weld	91-25	\$105.00

Check Valves Butt Weld

304L stainless steel, sanitary mirror polish and meets 3-A standards.

Item	SKU	Price
1" Check Valves Butt Weld	95-10	\$85.00
1-1/2" Check Valves Butt Weld	95-15	\$110.00
2" Check Valves Butt Weld	95-20	\$125.00

Sight Glass Butt Weld

304L stainless steel, sanitary mirror polish and meets 3-A standards.

Item	SKU	Price
1" Sight Glass Butt Weld	93-10	\$65.00
1-1/2" Sight Glass Butt Weld	93-15	\$75.00
2" Sight Glass Butt Weld	93-20	\$80.00
2-1/2" Sight Glass Butt Weld	93-25	\$90.00

Reducer Butt Weld

304L stainless steel, heavy wall, sanitary mirror polish and meets 3-A standards.

Item	SKU	Price
1"x1-1/2" Concentric Reducer Butt Weld	31W-1	\$19.00
1-1/2" x 2" Concentric Reducer Butt Weld	31W-2	\$20.00
2" x 3" Concentric Reducer Butt Weld	31W-4	\$40.00
1" x 1-1/2" Eccentric Reducer Butt Weld	32W-1	\$20.00
1-1/2" x 2" Eccentric Reducer Butt Weld	32W-2	\$29.00
2" x 2-1/2" Eccentric Reducer Butt Weld	32W-3	\$35.00

Hose Adaptor Butt Weld

316 stainless steel	SKU	Price
1" Hose Adaptor Butt Weld	825-10	\$17.00
1-1/2" Hose Adaptor Butt Weld	825-15	\$25.00
2" Hose Adaptor Butt Weld	825-20	\$29.00
3" Hose Adaptor Butt Weld	825-30	\$45.00

Tee Butt Weld

304L stainless steel, heavy wall, sanitary mirror polish and meets 3-A standards.

Item	SKU	Price
1" Tee Butt Weld	7W-10	\$17.00
1-1/2" Tee Butt Weld	7W-15	\$20.00
2" Tee Butt Weld	7W-20	\$27.00
2-1/2" Tee Butt Weld	7W-25	\$29.00

Elbow - Butt Weld

304L stainless steel, heavy wall, sanitary mirror polish and meets 3-A standards.



Item	SKU	Price
90° Elbow Butt Weld 1"	2CW-10	\$9.00
90° Elbow Butt Weld 1-1/2"	2CW-15	\$15.00
90° Elbow Butt Weld 2"	2CW-20	\$17.00
90° Elbow Butt Weld 2-1/2"	2CW-25	\$30.00
45° Elbow Butt Weld 1"	2KW-10	\$16.00
45° Elbow Butt Weld 1-1/2"	2KW-15	\$26.00
45° Elbow Butt Weld 2"	2KW-20	\$32.00
45° Elbow Butt Weld 2-1/2"	2KW-25	\$50.00

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DIN Fittings

Sanitary pipe fittings, commonly used with European equipment in 304L stainless steel. This is not Acme or I-Line. Please confirm metric size with drawings or equipment manufacturer.



DIN Liner

Item	SKU	Price
DIN 15 mm Ferrule Liner	DIN6-1	\$12.00
DIN 20 mm Ferrule Liner	DIN6-2	\$12.00
DIN 25 mm Ferrule Liner	DIN6-3	\$12.00
DIN 32 mm Ferrule Liner	DIN6-4	\$12.00
DIN 40 mm Ferrule Liner	DIN6-15	\$15.00
DIN 50 mm Ferrule Liner	DIN6-20	\$18.00
DIN 65 mm Ferrule Liner	DIN6-5	\$29.00

DIN Male Ferrule

Item	SKU	Price
DIN 15 mm Male Ferrule	DIN5-1	\$15.00
DIN 20 mm Male Ferrule	DIN5-2	\$15.00
DIN 25 mm Male Ferrule	DIN5-3	\$15.00
DIN 32 mm Male Ferrule	DIN5-4	\$16.00
DIN 40 mm Male Ferrule	DIN5-15	\$18.00
DIN 50 mm Male Ferrule	DIN5-20	\$21.00
DIN 65 mm Male Ferrule	DIN5-5	\$24.00

DIN Nut

Item	SKU	Price
DIN Nut 15 mm	DIN7-1	\$15.00
DIN Nut 20 mm	DIN7-2	\$15.00
DIN Nut 25 mm	DIN7-3	\$15.00
DIN Nut 32 mm	DIN7-4	\$18.00
DIN Nut 40 mm	DIN7-15	\$21.00
DIN Nut 50 mm	DIN7-20	\$24.00
DIN Nut 65 mm	DIN7-5	\$32.00

DIN Liner Hose Adaptor

304 stainless steel	SKU	Price
DIN 25 mm Liner Hose Adaptor	DIN2-25	\$29.00
DIN 32 mm Liner Hose Adaptor	DIN2-32	\$35.00
DIN 40 mm Liner Hose Adaptor	DIN2-40	\$39.00
DIN 50 mm Liner Hose Adaptor	DIN2-50	\$49.00
DIN 65 mm Liner Hose Adaptor	DIN2-65	\$69.00



DIN Male Thread Hose Adaptor

304 stainless steel	SKU	Price
DIN 25 mm Male Hose Adaptor	DIN4-25	\$29.00
DIN 32 mm Male Hose Adaptor	DIN4-32	\$35.00
DIN 40 mm Male Hose Adaptor	DIN4-40	\$39.00
DIN 50 mm Male Hose Adaptor	DIN4-50	\$49.00
DIN 65 mm Male Hose Adaptor	DIN4-65	\$69.00



DIN End Cap with Chain

Item	SKU	Price
DIN 15 mm End Cap with Chain	DIN-13AH15	\$19.00
DIN 20 mm End Cap with Chain	DIN-13AH20	\$19.00
DIN 25 mm End Cap with Chain	DIN-13AH25	\$19.00
DIN 32 mm End Cap with Chain	DIN-13AH32	\$22.00
DIN 40 mm End Cap with Chain	DIN-13AH40	\$24.00
DIN 50 mm End Cap with Chain	DIN-13AH50	\$29.00
DIN 65 mm End Cap with Chain	DIN-13AH65	\$65.00





DIN Liner with Nut to TC Adaptor

304 stainless steel	SKU	Price
DIN 15 liner x 1" tri-clamp Adaptor	84-61	\$65.00
DIN 25 Liner x 1" tri-clamp Adaptor	84-62	\$65.00
DIN 32 liner x 1.5" tri-clamp Adaptor	84-63	\$65.00
DIN 40 liner x 1.5" tri-clamp Adaptor	84-64	\$65.00
DIN 50 mm liner x 2" tri-clamp Adaptor	84-65	\$85.00
DIN 65 mm liner x 2.5" tri-clamp Adaptor	84-66	\$99.00
DIN 80 mm liner x 3.0 tri-clamp Adaptor	84-67	\$129.00

304 stainless steel	Work with DIN	SKU	Price
DIN Hook Wrench 15 - 35	15 - 25 mm	DIN99-1	\$26.00
Din Hook Wrench 35 - 50	32 - 40 mm	DIN99-2	\$37.00
DIN Hook Wrench 50 - 80	50 - 65 mm	DIN99-3	\$48.00
DIN Hook wrench 80 - 120	65 - 100 mm	DIN99-4	\$65.00
DIN Hook Wrench 120 - 180	100 mm +	DIN99-5	\$99.00

Item	SKU	Price
DIN 15 mm Silicone Gasket	DIN8-15	\$5.00
DIN 20 mm Silicone Gasket	DIN8-20	\$6.00
DIN 25 mm Silicone Gasket	DIN8-25	\$7.00
DIN 32 mm Silicone Gasket	DIN8-32	\$7.50
DIN 40 mm Silicone Gasket	DIN8-40	\$7.50
DIN 50 mm Silicone Gasket	DIN8-50	\$8.50
DIN 65 mm Silicone Gasket	DIN8-65	\$14.00

DIN Size	A	B	C
15	21 mm	16 mm	21 mm
20	25 mm	20 mm	24 mm
25	31 mm	26 mm	29 mm
32	37 mm	32 mm	32 mm
40	43 mm	38 mm	33 mm
50	55 mm	50 mm	35 mm
65	72 mm	66 mm	40 mm
80	87 mm	81 mm	45 mm

DIN Size	A	B	C
15	21 mm	16 mm	17 mm
20	25 mm	20 mm	18 mm
25	31 mm	26 mm	22 mm
32	37 mm	32 mm	25 mm
40	43 mm	38 mm	26 mm
50	55 mm	50 mm	28 mm
65	72 mm	66 mm	32 mm
80	87 mm	81 mm	37 mm

DIN Hook Wrench

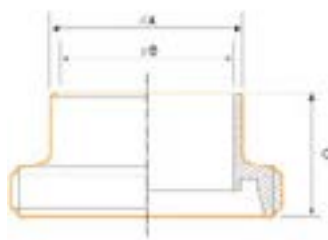
Plated mild steel hook wrench for tightening DIN nut.



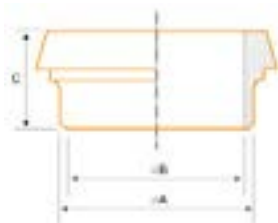
DIN Silicone Gasket



DIN Male Threaded Ferrule



DIN Female Liner



Manways

Premium stainless steel tank manway doors. Includes door seal and neck ring for welding, sold as complete door assembly for tank fabrication. Available in 304L stainless steel from stock. 316L material is available from stock or special production.

Shadowless Oval Side Manway Door

- 304 stainless steel, opens inward
 - Door thickness 14 gauge (2 mm)
 - Opening 13" x 17", frame 16" x 20"
 - Max. pressure 30 psi. Welding neck ring 3.15"
- SKU #80-504 \$489.00



Oval Side Manway Door

- 304 stainless steel
- Opens inward
- Door Thickness 14 gauge (2 mm)



304 stainless steel	Opening	Welding Ring	Max. Pressure	SKU	Price
Oval Side Manway 13" x 17"	13" x 17"	3.9" Height	45 psi	80-50	\$449.00
Oval Side Manway 17"x 21"	17" x 21"	3.9" Height	45 psi	80-502	\$539.00

Upright Side Manway Door 21" x 16"

- 304 stainless steel
 - Door opening 21" x 16", opens outward with two bars and stainless steel locking handle
 - Door thickness 14 gauge (2 mm), welding neck ring height 2.5"
 - Maximum pressure 15 psi
- SKU #80-482 \$550.00



Rectangular Side Manway Door 17" x 21"

- 304 stainless steel
 - Door opening 17" x 21", opens outward with two bars and stainless steel locking handle
 - Door thickness 14 gauge (2 mm), welding neck ring height 2.37"
 - Maximum pressure 15 psi.
- SKU #80-483 \$550.00

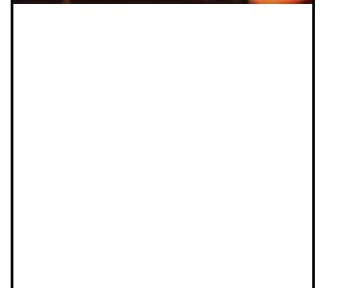
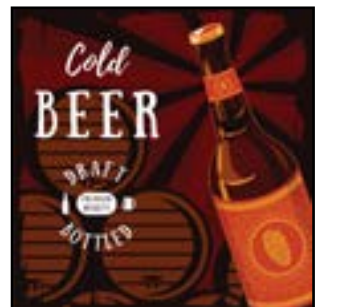
13" x 17" Square Manway Doors

- 304 stainless steel
 - Door opening 13" x 17", opens outward
 - Door thickness 14 gauge (2 mm), welding neck ring height is 2.5"
 - Maximum pressure 15 psi
- SKU #80-451 \$475.00



16" x 21" Square Upright Manway Doors

- 304 stainless steel
 - Door opening 17" x 20", opens outward
 - Door thickness 14 gauge (2 mm), welding neck ring height is 2.5"
 - Maximum pressure 15 psi
- SKU #80-452 \$495.00





16" Round Side Manway

- 304 stainless steel
 - Opens outward with stainless steel handle.
 - Door thickness 1.5 mm (16 gauge), welding neck ring height 3.15"
 - Maximum pressure 15 psi.
- SKU #80-49 \$550.00



Manhole Covers

Manhole covers designed for welding on top of tank, available in 304 and 316 stainless steel and sanitary polished. Complete manhole assembly, includes door, seals and welding neck ring. Seals material available in silicone or EPDM.

304 stainless steel	Neck Ring Ht.	SKU	Price
8" Glass Manhold Cover	3.5"	80-361	\$399.00
12" Glass Manhole Cover	3.5	80-360	\$499.00
18" Glass Manhole Cover	3.5"	80-359	\$599.00
20" Glass Manhole Cover	3.5'	80-358	\$699.00

304 stainless steel	Neck Ring Ht.	SKU	Price
8" Round Manhole Cover	4"	80-351	\$149.00
16" Round Manhole Cover	4"	80-352	\$199.00
18" Round Manhole Cover	4"	80-353	\$229.00
20" Round Manhole Cover	4"	80-354	\$289.00
24" Round Manhole Cover	4"	80-355	\$349.00

316 stainless steel	Neck Ring Ht.	SKU	Price
8" Round Manhole Cover	4"	80-351P	\$169.00
16" Round Manhole Cover	4"	80-352P	\$259.00
18" Round Manhole Cover	4"	80-353P	\$295.00
20" Round Manhole Cover	4"	80-354P	\$379.00
24" Round Manhole Cover	4"	80-355P	\$439.00

304 stainless steel Pressure type	Max. Pressure	Neck Ring Ht.	SKU	Price
16" Round Pressure Manhole	60 psi	4"	80-602	\$389.00
18" Round Pressure Manhole	60 psi	4"	80-603	\$449.00
20" Round Pressure Manhole	60 psi	4"	80-604	\$579.00
18" Pressure Manhole with 6" View Sight glass	60 psi	4"	80-701	\$489.00

316 stainless steel Pressure type	Max. Pressure	Neck Ring Ht.	SKU	Price
16" Round Pressure Manhole	60 psi	4"	80-602P	\$429.00
18" Round Pressure Manhole	60 psi	4"	80-603P	\$549.00
20" Round Pressure Manhole	60 psi	4"	80-604P	\$799.00
24" Round Pressure Manhole	60 psi	4"	80-605P	\$849.00



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Barrel Racks, Barrels, Cask s& Processing Tools

Metal Barrel Racks - Powder Coated



Fits 59 gallon standard Bordeaux, Burgundy and American barrels. Standard fork opening is 7" for easy racking, with double cross bar support.

Item	Material	Stacking	Pallet Jackable	Catalog	Price
Double Barrel Rack	Powder Coated Mild Steel	Up to 5 high	No	2993	\$139.00
Base Half Rack	Powder Coated Mild Steel	No	Yes	2994	\$89.00



Stainless Steel Barrel Rack

Fits 59 gallon standard Bordeaux, Burgundy and American barrels.

- Standard fork opening is 7" for easy racking, with double cross bar support.
- Made of 304L stainless steel, thickness 1.5 mm (16 gauge).
- Rack is electro-polished after treatment of pickling and passivating process. Stainless steel Surface is bright, clean and microscopically smooth. Better rust and corrosion protection, easy to clean.
- Stacking height of 5 layers.

Item	Material	Stacking	Pallet Jackable	SKU	Price
Double Barrel Rack	304 stainless steel	Up to 5 high	No	2991	\$195.00
Base Half Rack	304 stainless steel	No	Yes	2991-2	\$115.00



Stainless Steel Barrels 75 gallon

Designed to fit on barrel rack for portability and stackability. Sanitary construction and polish, easy to clean. Perfect storage solution for small lot storage of wine & spirits.

- Made of 304L stainless steel, 14 gauge (2 mm thickness)
- 75 gallons capacity with one 2" TC ferrule welded on belly.
- Fits on standard barrel rack, with roll rim.
- Measurement: 25.6" diameter x 40" height

SKU #2757

Quantity 1 - 11 \$879.00

12 + \$829.00



G.W. Kent, Inc. offers commercial financing for equipment



Handcrafted European cask with modern & user-friendly stainless steel valve and manway. Cask aging adds complexity, color, and character to wine. It enhances the palate, mouth feel, color and stability, with delicate tannins to complement flavor, mouth-feel and structure. Each cask is a show case of master cooper artisanal skill and craftsmanship.



- Air dried 24 months Quercus petraea Hungarian Oak.
- Medium toasting with oak fire
- Stainless steel side manway and top manway
- Stainless steel racking & discharge valve with tri-clamp connection
- Stainless steel sample valve
- Wood stand included.
- Exterior with varnish and galvanized hoops



Round Cask

Round Cask	Diameter x Length	Stave thickness	No. of Hoops	SKU	Price
264 gallon (1000 L.)	50.4" x 49.6"	48 mm	8	2933-10	\$5,495.00
396 gallon (1500 L.)	55.9" x 57.1"	48 mm	8	2933-15	\$6,395.00
528 gallon (2000 L.)	61.5" x 63.0"	58 mm	10	2933-20	\$6,995.00
793 gallon (3000 L.)	70.8" x 70.8"	58 mm	10	2933-30	quote
1057 gallon (4000 L.)	77.6" x 78.8"	68 mm	10	2933-40	quote

Oval Cask

Oval Cask	Head Height	Head Width	Length	Stavethickness	No. of Hoops	SKU	Price
264 gallon (1000 L.)	58.3"	41.0"	47.3"	48 mm	8	2935-10	\$5,895.00
396 gallon (1500 L.)	61.5"	42.6"	55.9"	48 mm	8	2935-15	\$6,995.00
528 gallon (2000 L.)	70.8"	51.2"	63.0"	58 mm	10	2935-20	\$7,095.00
793 gallon (3000 L.)	85.0"	61.1"	68.9"	58 mm	10	2935-30	quote
1057 gallon (4000 L.)	87.0"	61.8"	78.8"	68 mm	10	2935-40	quote

- Foudre Cask**
- Stainless steel square manway for easy empty & clean out and stainless steel support stand
 - Stainless steel top on cask with 20" manway door.

Truncated Oak Cask	Height	Lower Dia.	Top Dia.	Stave thickness	No. of Hoop	SKU	Price
528 gallon (2000 L.)	56"	66"	59"	60 mm	4	2937-20	\$9,945.00
793 gallon (3000 L.)	67"	72"	64"	60 mm	4	2937-30	\$15,750.00
1057 gallon (4000 L.)	79"	76"	66"	60 mm	5	2937-40	\$17,750.00

Oak Barrels

25 gallon American Oak Barrel	SKU #2961	\$425.00
30 gallon French Oak Barrel	SKU #2958	\$469.00
59 gallon American Oak Wine Barrel	SKU #2960	\$549.00
59 gallon American Charred Whisky Barrel	SKU#2962	\$449.00

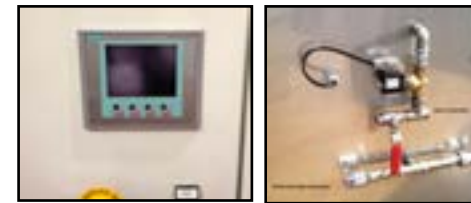


Automatic Barrel Washing & Steam Cleaning Machine



Automatic barrel cleaning machine for labor saving and perform superior barrel cleaning. Machine has Siemens PLC controller, automatic cleaning & steam sanitizing cycle and bung hole rotating & positioning sensor control set up. High impact cleaning & steam sanitizing nozzle cleans two barrels in 3 minutes cycle.

- Made of 304 stainless steel and mounted on wheel.
- Automatic bung hole position for spray nozzle entry.
- 3-way valve for product collection and cleaning water discharge.
- High pressure washing & cleaning with patented 3D washing nozzle.
- Working temperature up to 90°
- Designed for pressure washer (not included), up to 100 bar.
- Steam line connection for sanitizing (steam machine not included)
- Remote control for forklift driver
- 3-phase 208 v - 230 V. 60 Hz. 1.8 kw motor with on/off switch



SKU #2996 \$30,950.00

Moog Barrel Cleaning System

- 304 stainless steel, with 3 dimension rotating cleaning head reaches every corner inside the barrel.
- Suction foot allows dirty water siphoning and removal from barrel.
- Working temperature up to 90° C.
- Can be connected to high pressure washer with minimum flow rate 3.4 gpm (pressure washer is not included).
- Minimum bung hole size 1.45" (37 MM). Longer suction pipe available upon request.
- 1-phase 115 VAC 60 Hz.
- SKU #2989 \$2,895.00



Manual Barrel Washing & Steam Cleaning Machine

Manual barrel cleaning machine without lifting of barrel. Machine has high impact cleaning & steam sanitizing nozzle with motor driven gear. Barrel can be rolled on the machine loading ramp and allow washing nozzle to enter bung hole.

- Made of 304 stainless steel and mounted on wheels.
- High pressure washing & cleaning with patented 3D washing nozzle.
- Working temperature up to 90 C
- Designed for pressure washer (not included), up to 100 bar.
- Steam line connection for sanitizing (steam machine not included)
- 3-phase 208 v - 230 V. 60 Hz.

SKU #2996 - \$3295.00



Bulldog Barrel Transfer Tube

A simple device to pressurize barrel and move liquid out of barrel. Very gentle and no air introduced into barrel. Recommended pressure 5 - 10 psi.

- 1" stainless steel tube
 - Connection is 1-1/2" TC with adjustable screw for height.
 - Includes 1" sight glass and fitting for monitoring of lees.
 - Gas connection is 1/4" MNPT and includes shut off ball valve.
- SKU #2980 - \$395.00



HydroTwister Flat Surface Cleaner



Flat surface cleaner connects to a pressure washer and uses 2 nozzles rotating at high RPM within an inch of the ground. It cleans concrete surfaces up to ten times faster than a standard wand with consistency and less operator fatigue. Coverage is 28" with dual trigger guns to activate rotary spray arm.

- Rapid floor cleaning machine reduces maintenance cost.
 - Stainless steel construction, heavy duty swivel and lubricated sealed bearing for low maintenance cost.
 - Reduce fatigue, handle in place at ideal working angle.
- SKU # \$1,775.00

AquaBlaster Barrel Washer

Portable barrel washing system for barrel, drum or small tank, four stream jets at low flow rate but high pressure that provide high impact washing. Stream nozzles rotate around a turret to provide complete orbital cleaning coverage of all interior surfaces.

- Rapid cleaning cycles with low flow rate (4 gpm or higher)
 - Tool can be used in tanks up to 10 ft. tall
 - Oversized gears, self-lubricating and smooth motion.
 - Save time, water & money
- SKU # \$2,800.00



Barrel Topping Gun

Barrel topping gun can be used with pressurized keg to add small amount of wine to barrel. With 1/2" hose barb connection and push down handle can be used with barrel on stack on barrel rack, it's easy to use and efficient.

SKU #2984 \$125.00



Barrel Filler

Filler fits into barrel bung hole, 1" filling tube for fast and easy filling of barrel. Push down handle with locking pin for hand-free filling. No automatic shut off and no liquid sensor, need to monitor flow or use a flow meter for control during filling.

SKU #2985 - \$169.00



Oak Barrel Sample Valve

For installation to oak barrel or cask. A 5/8" hole needs to be drilled on barrel for sample valve to be threaded into wood. 304 stainless steel.

SKU #80-129 \$69.00



Pyrex Glass Barrel Thief

Pyrex glass thief with 1-1/2" OD by 24" long

SKU #2983-7 \$79.00

Curved pyrex glass thief with 1-1/2" OD by 24" long.

SKU #2983-5 \$89.00



Barrel Washing Stand

Stainless steel stand for barrel cleaning with a rotating jet spray barrel cleaning head, efficiently clean barrel. For best cleaning result, we suggest hot water use with water pressure of 40 to 60 psi.



- Rotating barrel cleaning nozzle included.
 - stainless steel 3/4" NPT ball valve for water shut-off included.
- SKU #2986 - \$349.00

Barrel Cleaning Nozzle

Features:

- Coverage of 3 to 6 ft in diameter in 180°
 - Connection 3/4" NPT female
 - Diameter 1.25" and length 2.75"
 - Working pressure 1 to 4 bar
- SKU #80-93 \$125.00



L-Shape Wand

3/4" wand with NPT pipe connection to barrel cleaning nozzle and water hose. This handy wand allows you to reach into barrel bung hole while leaving barrel on rack. Barrel cleaning nozzle sold separately.

SKU #80-93A \$24.00



Glass Thief

Glass thief straight, diameter 3/4" x 11-3/4" L. Pack 10 per box.

Catalog #2983-2 \$39.00 / case of 10.





Curved Barrel Racking Tube

Barrel racking tube can be used with pump to move wine out of barrel. Curved shape racking tube with 1" stainless steel pipe in 304 stainless steel, length is 32" with a 1-1/2" TC connection.

SKU #2988 - \$75.00



Straight Barrel Racking Tube

304 stainless steel barrel racking tube with 1-1/2" TC connection and adjustable height for less. Sanitary quality.

SKU #2982 - \$60.00



Oak Chip Infusion Tube for Barrel

For neutral barrel, adding oak flavor is easy for this 1" stainless steel tube with holes to hold oak chips for flavor extraction. Sanitary construction in 304 stainless steel with a silicone plug and a silicone stopper for bung hole. Easy to clean, can be removed from barrel at desired time.

SKU #2981 - \$49.00



Sulfur Disque Holder for Barrel

Made of 304 stainless steel with silicone stopper to fit and seal barrel bung hole with Sulfur gas. Easy removal from barrel to barrel. Mesh basket with a wire to secure sulfur disque in place.

SKU #2920 - \$24.00

Sulfur Disque

Use Sulfur disque when barrel is empty for short period of time. Repeat use every 3 weeks for storage of empty barrel to prevent mold & bacteria growth. 5 gram size for 50 - 60 gallon barrel

SKU #2919 \$29.00 / 2.2 lb. box

Barrel Fermentation PLUS Bung

Two piece designed with open vent for fermentation to allow CO2 to escape from barrel. When center silicone piece is pushed in and locked, it can be used as a solid bung for aging.

- Silicone material with easy grab rim.
- 2 piece design with vent on center for fermentation.

SKU #2966 1 - 100 \$4.95
100+ \$4.25



Silicone Barrel Fermentation Bung

Two piece designed, with open vent it can be used for fermentation to allow CO2 to escape from Barrel. When center silicone piece is pushed in and locked, it can be used as a solid bung for aging.

Silicone Barrel Bung

48 x 55 mm solid barrel bung to seal barrel for aging. Flange top fits over bung hole for easy removal.



Item	SKU	Price
Solid Barrel Bung	2968	\$4.95
Barrel Bung with Hole	2968H	\$4.95
Barrel Fermentation Bung	2969	\$6.50

Infusion Straining Bag

Small mesh bag, 18" long with width stretch up to 5".
SKU #4040 - \$17.00 / 100 pcs. in a bundle

Large mesh bag, 40" long with width stretch up to 48". FDA approved material.
SKU #4044 - \$18.00 / 10 pcs. in a bundle



Oak Products

Our oak products allow brewers to add oak flavor and character from a wide variety of oak and toast levels to beer. We offer premium oak products made with oak seasoned for 24 months, with unique toasting process to create flavor and aroma without harsh and bitter wood tannin components. Oak product can be placed in small tank or keg to extract oak flavor, which can be blended back with beer prior to transfer to bright tank.



Oak Chips

Recommended dosage is 1 to 2 pound per barrel of beer.

Item	Toasting	Flavor	Packaging	SKU	Price
French Oak Chips	Medium	Subtle vanilla, & butterscotch	50 lb. bag	297-4	\$199.00
American Oak Chips	Light	Smooth & rich mouth feel	50 lb. bag	4547-1	\$75.00
American Oak Chips	Medium	Vanilla, caramel & smooth	50 lb. bag	4547-2	\$75.00
American Oak Chips	Heavy Toast	Caramel, smokiness & rich	50 lb. bag	4547-3	\$75.00



Oak Cubes

Recommended dosage is 1 to 2 pound per barrel of beer.

Item	Toasting	Flavor	Packaging	SKU	Price
French Oak Cubes	Medium	Subtle vanilla, & butterscotch	50 lb. bag	4547-4	\$550.00
American Oak Cubes	Medium	Smooth & rich mouth feel	50 lb. bag	4547-5	\$375.00
American Charred Oak Cubes	Whiskey	Smoky, dignified & woody	50 lb. bag	4547-6	\$395.00



Oak Powder

For fast flavor extraction, dosage is 0.5 to 1 pound per barrel of beer.

Item	Toasting	Flavor	Packaging	SKU	Price
French Oak Chips	Medium	Subtle vanilla, & butterscotch	50 lb. bag	4549-9	\$175.00
American Oak Chips	Light	Smooth & rich mouth feel	50 lb. bag	4549-1	\$95.00
American Oak Chips	Medium	Vanilla, caramel & smooth	50 lb. bag	4549-2	\$95.00
American Oak Chips	Heavy Toast	Caramel, smokiness & rich	50 lb. bag	4549-3	\$95.00

Oak Barrel Sticks

For use in neutral barrels, each set consists of two 16 piece of linked sticks to enhance flavor. Medium toast with 24 month air seasoned French oak, easy to maintain and re-use. Stick measures 13" long x 1-1/4" wide x 3/8" thick, bundle measures 9.6 sq. ft. of oak surface.

Item	Toasting	Packaging	SKU	Price
French Oak Barrel Sticks	Medium	2 x 16 pcs. link	297-6	\$69.00
American Oak Barrel Sticks	Medium	2 x 16 pcs. link	297-7	\$59.00



Oak Stave Tank Insert

For use in stainless steel tanks, oak staves measure 40" long x 3" wide x 3/8" thick. Assembled with 10 pcs. staves into a FAN bundle and provides 26 sq. ft. of oak surface.

Item	Toasting	Packaging	SKU	Price
French Oak Stave Tank Insert	Medium	10 pcs./ bundle	297-8	\$59.00
American Oak Stave Tank Insert	Medium	10 pcs. / bundle	297-9	\$49.00





Malts

Durst malt of Germany has been a tradition for the past 175 years, delivering best ingredients for the best beer. Stringent quality control of German barley and malting, generations of know-how and state of the art malting equipment. Durst malt satisfies breweries all over the world. Available in 55 lb. bags, supersack of 1925 lb. shipping from Michigan warehouse. We deliver bagged malt or bulk container directly from Germany to brewery through out U.S. Competitive quote for full container upon request.

Durst Whole Kernel Malt

Item	SKU	55 bag Price	55 lb. Pallet price (no mix or match)	1925 lb. Supersack
Durst Pilsner Malt	5250	\$33.00 (\$0.60/lb.)	\$30.00 (\$0.55/lb.)	\$0.54 / lb.
Durst Pale Ale Malt	5249	\$33.00 (\$0.60/lb.)	\$30.00 (\$0.55/lb.)	\$0.54 / lb.
Durst Munich Malt 20 EBC	5251	\$33.00 (\$0.60/lb.)	\$30.00 (\$0.55/lb.)	\$0.54 / lb.
Durst Munich Malt 40 EBC	5257	\$33.00 (\$0.60/lb.)	\$30.00 (\$0.55/lb.)	\$0.54 / lb.
Durst Vienna Malt	5252	\$33.00 (\$0.60/lb.)	\$30.00 (\$0.55/lb.)	\$0.54 / lb.
Durst Wheat Malt	5255	\$33.00 (\$0.60/lb.)	\$30.00 (\$0.55/lb.)	\$0.54 / lb.
Durst Turbo Pilsner	5400	\$33.00 (\$0.60/lb.)	\$30.00 (\$0.55/lb.)	\$0.54 / lb.



Typical Analysis	Moisture %	Extract %	Color in EBC	Protein %	Soluble Nitrogen	Kolbach Index	Hartong Index	pH	Friability	Glassy Kernels	Betagulcan mg/l.	Diastatic Power	Attenua- tion
Pilsner Malt	4	83 - 84	3.4	10	0.67	44	40	5.8	82	<3 >145	194	275	82
Turbo-Pilsner Malt	4	82 - 83	3.8	10	0.71	47	44	5.8	85	<3 >150	108	289	83
Munich 20 EBC	3.6	81 - 82	20.0	10	0.72	43	44	5.6	76	<3 >150	220	221	80
Munich 40 EBC	3.6	81 - 82	40.0	10	0.74	44	45	5.4	77	<3 >150	186	195	80
Vienna Malt	4	82 - 83	9.0	10	0.7	44	43	5.5	83	<3 >150	141	282	82
Pale Ale Malt	3.5	82 - 83	6.5	10	0.66	44	42	5.8	82	<3 >150	180	212	82
Wheat Malt	4	82 - 86	3.5	11	0.75	40	37	5.9					



Gambrinus Whole Kernel Malt

Item	Packaging	SKU	Price
Gambrinus Honey Malt	55 lb.	5150	\$42.00
Gambrinus Vienna Malt	55 lb.	5149	\$39.00
Gambrinus Munich 10 L Malt	55 lb.	5147	\$39.00
Gambrinus Munich 30 L Malt	55 lb.	5148	\$39.00
Gambrinus ESB Pale Malt	55 lb.	5146	\$37.00
Gambrinus Pilsner Malt	55 lb.	5145	\$37.00
Gambrinus Pale Malt	55 lb .	5144	\$35.00

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Briess Whole Kernel Malt 50 lb. bag

Item	SKU	Price
Briess Pilsner Malt	5201	\$36.00
Briess Munich 10 L Malt	5205	\$38.00
Briess Brewer's Malt	5214	\$32.00
Briess Pale Ale Malt	5215	\$36.00
Briess Victory Malt	5216	\$47.00
Briess Special Roast Malt	5217	\$48.00
Briess Rye Malt	5207	\$51.00
Briess Red Wheat Malt	5203	\$35.00
Briess Carapils Malt	5208	\$45.00
Briess Caramel 20 L Malt	5211	\$45.00
Briess Caramel 40 L Malt	5212	\$45.00
Briess Carmel 60 L Malt	5204	\$45.00
Briess Caramel 80 L Malt	5213	\$45.00
Briess Caramel 120 L Malt	5209	\$45.00
Briess Chocolate Malt	5219	\$48.00
Briess Black Malt	5218	\$48.00
Briess Roasted Barley Malt	5210	\$48.00

Briess Malt Extract

Briess CBW pure malt extracts are rich, full-flavored and made fresh in America's heartland. They produce excellent beer or, in all-grain brews, increase capacity / productivity, boost gravity, adjust color, adjust flavor and improve body and head retention.

Item	Packaging	SKU	Price
Briess Gold Liquid Malt Extract	33 lb.	5141	\$54.00
Briess Gold Dried Malt Extract	50 lb.	519-1	\$129.95



Brewers can count on Briess malts to deliver rich flavor and color to all their beers. For more than 130 years brewers have relied upon Briess malts for superior brewhouse performance and consistent brews, batch after batch.

Rich and flavorful malts shipped fresh

from America's heartland.

Briess Premilled Malt 50 lb. bag

Item	SKU	Price
Briess Preground Pilsner Malt	5265	\$39.00
Briess Preground 2-row Brewer's Malt	5269	\$36.00
Briess Preground Pale Ale Malt	5270	\$39.00
Briess Preground Vienna Malt	5272	\$39.00
Briess Preground Munich Malt 20 L.	5267	\$40.00
Briess Preground Munich Malt 10L.	5271	\$40.00
Briess Preground Wheat Malt (Red)	5279	\$38.00
Briess Preground Carapils Malt	5274	\$48.00
Briess Preground Malt Caramel 40 L.	5275	\$48.00
Briess Preground Malt Caramel 20 L.	5280	\$48.00
Briess Preground Malt Caramel 80 L.	5281	\$48.00
Briess Preground Malt Caramel 60 L.	5284	\$48.00
Briess Preground Victory Malt	5273	\$52.00
Briess Preground Chocolate Malt	5276	\$52.00
Briess Preground Black Malt	5277	\$52.00
Briess Preground Roasted Barley	5278	\$52..00



Adjuncts

Item	Packaging	SKU	Price
Dextrose (Corn Sugar)	50 lb.	4550	\$34.50
Briess Flaked Barley	25 lb.	5222	\$22.00
Briess Flaked Yellow Corn	25 lb.	5223	\$24.00
Briess Flaked Oats	25 lb.	5224	\$24.00
Briess Flaked Rye	25 lb.	5225	\$22.00
Briess Flaked Wheat	25 lb.	5226	\$22.00
Briess Flaked Rice	25 lb .	5227	\$25.00
Rice Hulls	50 lb.	5228	\$22.50





Beer Yeasts & Fermentation Aids

Servomyces Beer Yeast Nutrient

Developed by a team of scientists at Munich University and Weihenstephan in conjunction with Lallemant, Servomyces is the most unique yeast nutrient available in brewing. The patented product is a biological substance produced without chemicals or additives. Servomyces is so natural, it is approved for brewing within Germany under the Reinheitsgebot brewing laws

SKU #3005 \$169.00 / 500 grm

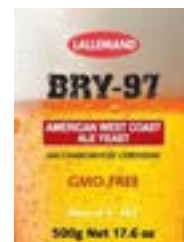


BRY 97 American Ale Yeast

BRY-97 American West Coast Yeast was selected from the Siebel Institute Culture Collection and is used by a number of commercial breweries to produce different types of ale

- Classified as *Saccharomyces cerevisiae*. Top-fermenting yeast
- Typical analysis of active dry strain:
- Solids 93%-95% • Living yeast cells $\geq 5 \times 10^9$ per gram of dry yeast
- Wild yeast <1 per 106 yeast cells* (Lysine method)

SKU #3007 \$169.00 / 500 gram



Belle Saison Ale Yeast

Belle Saison is an ale yeast of Belgian origin selected for its ability to produce great Saison-style beer.

- Classified as *Saccharomyces cerevisiae*. Top-fermenting yeast
- Typical analysis of active dry strain:
- Solids 93%-95% • Living yeast cells $\geq 5 \times 10^9$ per gram of dry yeast
- Wild yeast <1 per 106 yeast cells* (Lysine method)
- Bacteria <1 per 106 yeast cells*

SKU #3006 \$169.00 / 500 gram

VR 44 Champagne Yeast

A prise de mousse strain, selected in the Champagne region, naturally resistant to difficult fermentation. Alcohol tolerance 16%, can be used for secondary fermentation. Killer character strain, enabling a good settlement and a fast fermentation start. Low nitrogen requirements, low production of volatile acidity and foam. Fermentation temperature 10° to 40° C.

SKU #3052 \$29.00/ 500 gram.



BCS-103 Champagne Yeast

A prise de mousse strain, selected in the Champagne region for extreme fermentation conditions. Alcohol tolerance 18%, and excellent fructose assimilation. Excellent yeast for secondary fermentation. Low nitrogen requirements, low production of volatile acidity and foam. Fermentation temperature 10° to 35° C.

SKU#3053 \$29.00.00/ 500 gram.



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Mauribrew Ale Dry Yeast

Selected pure active dry brewing yeast, *saccharomyces cerevisiae* strain, top fermenting ale brewing yeast. A rapid fermenter at warm temperatures, resulting in a typical fermentation time of 3 - 7 days. Optimal temperature is 62F- 86F. Beer structure may benefit from fermentation with this strain after acclimatising to a lower temperature for prolonged yeast control at 50 - 59F. This strain rapidly attenuates fermentable sugars with a typical wort falling from a gravity of 1040 -1045 resulting in a beer of less than 1008. This ale yeast is renowned for its tolerance in commercial beer styles with up to 9.5% alcohol, produce nominal yeast head through fermentation with excellent final clarity and settling properties.

SKU #3018 - \$35.00 / 500 gram



Mauribrew Lager Dry Yeast

Selected pure active dry brewing yeast, *saccharomyces cerevisiae* strain, bottom fermenting lager yeast. When temperatures are maintained at 68 deg. F. the fermentation of normal worts is complete within 5 days. When temperature is below 68 deg. F. the rate of fermentation proceeds in more controlled fashion and at a reduced rate. The strain has low oxygen requirements through fermentation. Desirable flavor characters result from ambient fermentations at 59 -86 deg. F. temperature range. Final gravity loss may be achieved through lagering down to 50 deg. F. Sweet wort OG 1040 - 1045 is fermented normally to low final gravity.

SKU #3017 \$35.00 / 500 gram.



Mauribrew Weiss Yeast

Mauribrew Weiss produces large quantities of fermentation aromas of esters and higher alcohols that contribute to the complexity of German-style wheat beers. Mauribrew Weiss is also suitable for special beers made with macerated fruits, honey or any kind of sugar based additional ingredients (maple syrup, candy sugar, palm sugar). Recommended temperature range 15° - 30° C. A rapid fermenter at warm ambient temperatures typical fermentation of 4 - 7 days.

SKU #3019 \$35.00/ 500 gram.

Mauribrew Draught Yeast

A high temperature with high gravity wort Mauribrew Draught enhances fruity character of the beer. At low temperature it produces a clean finish with a low ester profile. A rapid fermenter, alcohol tolerance 9% with high attenuation.

SKU #3016 \$35.00/ 500 gram.



Mauribrew Distiller Malt Yeast

An active dried yeast well-suited for malt based fermentation. It rapidly consumes maltose and produces a flavorful spirit.

SKU #3010 \$35.00/ 500 gram.

Mauribrew Distiller Grain Yeast

An active dried yeast well-suited for use in simultaneous saccharification fermentation of starch substrates. It has high tolerance to liberated glucose. Strain has high ethanol and temperature tolerance.

SKU #3009 \$35.00/ 500 gram.





ab vickers Alphaclar S

Beer stabilization, Alphaclar S is a single use cross-linked PVPP. A colloidal haze stabilizer which can increase the shelf life of beer. It absorbs the polyphenols to prevent reaction with protein in filtered beer to form colloidal haze during storage.

Alphaclar S can be added to beer in-line during transfer from fermenter to brite tank.

- Alphaclar S increases beer shelf life due to preventing colloidal haze formation.
- Only the specific haze-active polyphenols are removed.
- PVPP is soluble so is removed by filtration and therefore is a processing aid not required to be listed on labels.

SKU #4508 \$79.00 / 1 kg.

ab vickers Foamsol Antifoaming Agent

Foamsol is a water based emulsion of dimethylpolysiloxane designed to control foams produced in kettle and fermenter.

Dimethylpolysiloxane is an inert polymer which is highly effective in foam suppression. Bubble collapse occurs as a result of reduction of surface tension in the liquid film.

SKU 4510 \$109.00 / 5 liter

ab vickers Compac CG

Compac CG is the semi-refined, granulated form of the seaweed species Euchema cottonii. The species Euchema cottonii is rich in the kappa isomer of carrageenan. When added to boiling wort, kappa carrageenan reacts strongly with soluble proteins, notably the proline rich haze precursor fraction. When the wort is cooled the carrageenan protein complex becomes unstable and precipitates out of solution.

SKU #4506 \$39.00 / 1 kg.

ab vickers Vicfine

Vicfine is purified isinglass for beer clarification, in convenient powder form. It is added to beer at the end of fermentation to speed maturation and improve filtration by removing yeasts and protein particles. For ease of use Vicfine in its standard form includes the necessary acid and preservative already blended.

SKU #4507 \$119.00 / 1 kg.

Mauriform Plus Nutrient

Fermentation aid contains inactive dry yeast, thiamine and diammonium phosphate for improving fermentation and reducing stuck fermentation. Mauriform Plus improves fermentation by removing toxic fatty acids and with the provision of nitrogen.

SKU #4542 \$175.00 / 22 lb. box

Mauriform Activator

Supplements essential ingredients for yeast fermentation, promoting strong yeast growth and reducing the chance of stuck fermentation. The inactive yeast cell wall in Mauriform Activator adsorb toxic medium length chain saturated fatty acids. Activator also provides sterols and unsaturated fatty acids.

SKU #4539 \$175.00 / 22 lb. box

Fermaid K Fermentation Nutrient

Fermaid K supplies ammonia salts (DAP) alpha amino nitrogen, sterols, unsaturated fatty acids, key nutrients (magnesium sulfate, thiamin, folic acid, niacin, biotin, calcium pantothenate) and inactive yeast. Fermaid K should be hydrated before adding to an active fermentation to avoid CO₂ release. Recommended dosage is 2 lb. per 1000 gallon.

SKU #4538 - \$198.00 / 22 lb. box

Irish Moss Powder

Carrageenan coagulant used in final 15 minutes of the boil to precipitate protein and improve formation of trub. Ideal for wort clarification and improved hot & cold breaks.

Recommended addition is approximately 2 oz. per 10 barrels.

SKU #4519 - \$90.00 /10 lb. pail

Dextrose (Corn Sugar)

SKU #4550 - \$34.50 / 50 lb. bag

Rice Hulls

Catalog #5228 - \$22.50 / 50 lb. bag



Ascorbic Acid

Used to prevent oxidation.

SKU #4535 - \$20.00 / 2.2 lb. bag

Citric Acid

To be used for acidification. Pack in 50 lb. bag.

SKU #4530 - \$89.00 / 50 lb.

Gypsum

Anhydrous Calcium Sulfate used to harden soft water. Typically used during the mash-in, may also be added to the hot liquor tank. It will help establish proper pH of the mash and the wort and provide sufficient calcium ions essential for enzyme function, kettle protein coagulation and yeast metabolism.

SKU #4505 - \$30.00 / 50 lb. bag

Pumps

Thomsen Centrifugal Pumps

Our custom built sanitary centrifugal pump designed for brewing and CIP application, delivers robust quality, smooth, and steady flow. American sanitary quality housing, motor, electrical and seal to service all brewing applications.

- 316 stainless steel sanitary polished pump assembly.
- A ceramic wear ring to reduce wear on back plates.
- Tri-clamp connection
- Variable speed frequency drive
- Mounted on stainless steel pump cart



Pump	Motor	Seal	Frequency Drive	SKU	Price
#5 Centrifugal Pump	1 hp, 1760 rpm washdown	Viton / Ceramic / Carbon	1 or 3 phase 220 - 230 V	2901-5	3,495.00
#6 Centrifugal Pump	2 hp, 1755 rpm washdown	Viton / Ceramic / Carbon	1 or 3-phase 220 - 230 V	2901-6	3,795.00





Ampco Centrifugal Pumps CB+216

Designed specifically for the craft brewing industry, Ampco CB+ sanitary centrifugal pump features a sanitary internal seal that will keep seal faces cooler and minimize product buildup and leaks.

- Pump housing is made of 316 stainless steel with a 6" impeller.
 - Washdown motor 1750 rpm
 - 2 h.p. motor, VFD 3-phase 220 V Nema 4X
 - Mounted on stainless steel pump cart
- SKU 2902-216 \$3,595.00



Double Diaphragm Pumps

Diaphragm pump made of polypropylene material that is self priming and handles wide variety of fluids.

- Diaphragm material: Santoprene
- Max. liquid Temperature: 212° F.
- Equipped with 1/4" air filter & regulator.
- Air supply 20 - 100 psi.
- Explosion proof



Model	Material	Capacity	Port	Diaphragm	Max. temp.	Max. solid	Suction Lift	SKU	Price
1/2"	Polypropylene	7 gpm	1/2" NPT	Santoprene	212 F	1/31"	10 ft.	2979-15	\$465.00
3/4"	Polypropylene	20 gpm	3/4" NPT	Santoprene	212 F	1/6"	18 ft.	2979-20	\$895.00
1"	Polypropylene	30 gpm	1"	Santoprene	212 F	3/16"	18 ft.	2979-25	\$1,295.00
1-1/2"	Polypropylene	60 gpm	1.5"	Santoprene	212F	9/32"	18 ft.	2979-40	\$2,195.00
2"	Polypropylene	140 gpm	2"	Santoprene	212 F	5/16"	18 ft.	2979-50	\$3,495.00
3" FDA	316 Stainless S.	200 gpm	3"	Santoprene	212 F	13/32"	19	2979-80	\$3,995.00

Petite Screw Pump

Small variable speed screw pump that handles liquids and some solids, pump mounted on cart. A perfect pump for filtration and bottling, gentle handling and delivers pressure without pulsation and minimizing oxidation. Compact block designed with direct flanged drive and plug-in shaft connection.

- Pump Housing: 304 stainless steel
 - Rotor: 304 stainless steel. Stator: Food grade rubber.
 - Pressure: up to 60 psi (4 bar).
 - Motor: 1.1 kw (1-1/2 h.p.) single phase 220 V, 60 Hz. Protective motor UL, CSA, frequency drive variable speed, reversing switch.
 - Capacity: 2 gallons to 25 gallons per minute
 - Connections: 1-1/2" TC
- SKU #2910 \$3795.00



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Quick Disconnects

Designed for general purpose hydraulic service, suitable for use with liquids, gas and vacuum. Available in 304 stainless steel or brass. Quick disconnect's socket and plug end are NPT female and seal EPDM. Two piece (socket & plug) sold as set.

Stainless Steel Quick Disconnects	SKU	Price
Quick Disconnects 1/4" NPT	6032-6	\$39.00
Quick Disconnects 3/8" NPT	6032-7	\$49.00
Quick Disconnects 1/2" NPT	6032-8	\$69.00
Quick Disconnects 3/4" NPT	6032-9	\$89.00
Quick Disconnects 1" NPT	6032-1	\$149.00

Brass Quick Disconnects	SKU	Price
Quick Disconnects 1/4" NPT	6033-1	\$27.00
Quick Disconnects 3/8" NPT	6033-2	\$30.00
Quick Disconnects 1/2" NPT	6033-3	\$42.00
Quick Disconnects 3/4" NPT	6033-4	\$59.00
Quick Disconnects 1" NPT	6033-5	\$79.00



Filtration

Lenticular Filters

Lenticular filter system is as versatile as filter sheet in plate & frame filter but sanitary, easy to use and easy to change out. To make a filter system sanitary, filter disc is installed in an enclosed sealed filter housing. Lenticular filter is expandable and cost comparable to plate & frame filter. These filter discs are constructed in a modular design and can easily be inserted into filter housing. It's possible to back flush the modules and reuse them many times. The modules can be stored in the housing for extended periods of time, which aids in space saving. Another advantage is extremely low product losses. A 12" module 4 high system is equivalent to forty five 40 x 40 filter sheets.



Features:

- Material in 316 L. stainless steel, sanitary construction with electro polish.
- Equipped with sanitary pressure gauge, sight glass, two butterfly valves and fittings.
- Venting valve and drain included with housing.
- Filter Modules are not included.

12" Lenticulae Housing	Filtration surface	Dia. x Height	SKU	Price
2 modules	3.6 sq. meter	15.7" x 48"	3450-2	\$3,295.00
3 modules	5.4 sq. meter	15.7" x 58"	3450-3	\$3,695.00
4 modules	7.2 sq. meter	15.7" x 60"	3450-4	\$3,995.00

16" Lenticular Housing	Filtration surface	Dia x Height	SKU	Price
2 modules	10.0 sq. meter	17.7" x 48"	3451-2	\$4,095.00
3 modules	15.0 sq. meter	17.7" x 58"	3451-3	\$4,595.00
4 modules	20.0 sq. meter	17.7" x 69"	3451-4	\$4,995.00





Pall Lenticular SUPRAdiscII



Item	Size	Gasket	Particle Retention	SKU	Price
12" SUPRAdiscII X700	12"	Flat	7 - 15 micron	3495-4	\$209.00
12" SUPRAdiscII X300	12"	Flat	6 - 12 micron	3495-1	\$209.00
12" SUPRAdiscII X200	12"	Flat	4 - 6 micron	3495-5	\$209.00
12" SUPRAdisc II X100	12"	Flat	1 - 4 micron	3495-2	\$209.00
12" SUPRAdisc II XEK	12"	Flat	0.5 - 0.7 micron	3495-3	\$239.00
16" SUPRAdiscII X700	16"	Flat	7 - 15 micron	3496-4	\$399.00
16" SUPRAdiscII X300	16"	Flat	6 - 12 micron	3496-1	\$399.00
16" SUPRAdiscII X200	16"	Flat	4 - 6 micron	3496-5	\$399.00
16" SUPRAdiscII X100	16"	Flat	1 - 4 micron	3496-2	\$399.00
16" SUPRAdiscII XEK	16"	Flat	0.5 - 0.7 micron	3496-3	\$439.00

Lenticular Pak Filter Module from Ertel-Alsop

Advanced depth filters designed to provide optimal clarification formulated with cellulose, wet strength resin and diatomite for beverage filtration. Filter module can not be back-flushed.



Model	Size	Particle Retention	Surface Area	Gasket	SKU	Price
M-404 Lenticular Pak	12"	5.0 micron	1.5 sq. meter	Flat	3482-1	\$165.00
M-454 Lenticular Pak	12"	2.5 micron	1.5 sq. meter.	Flat	3482-2	\$165.00
M-504 Lenticular Pak	12"	1.0 micron	1.5 sq meter.	Flat	3482-35	\$165.00
M-504T Lenticular Pak	12"	0.8 micron	1.5 sq. meter	Flat	3482-4	\$165.00
M-854 Lenticular Pak	12"	0.3 micron	1.5 sq. meter	Flat	3482.5	\$165.00
M-404 Lenticular Pak	16"	5 micron	4.1 sq. meter	Flat	3483-1	\$325.00
M-454 Lenticular Pak	16"	2.5 micron	4.1 sq. meter	Flat	3483-2	\$325.00
M-504 Lenticular Pak	16"	1.0 micron	4.1 sq. meter	Flat	3483-3	\$325.00
M-504T Lenticular Pak	16"	0.8 micron	4.1 sq. meter	Flat	3483-4	\$325.00
M-854 Lenticular Pak	16"	0.3 micron	4..1 sq. meter		3483-5	\$325.00

Steam / Gas Filter Housing

Sanitary membrane filter housing for steam and gas applications.

- Made of 316 L. stainless steel, electropolished.
- Inlet and outlet 1-1/2" TC.
- 1/4" NPT male connection on top and 1/4" NPT female on bottom.
- Maximum Operating pressure 150 psi @67° F
- Valve and fitting is not included, please order separately.



Item	Connection	Inlet / Outlet	Material	Length	SKU	Price
Steam/Gas Filter Housing 5"	P&8, 226 o-ring	1.5" TC	316 stainless steel	5"	3452-1	\$495.00
Steam Gas Filter Housing 10"	P7, 226 o-ring	1.5" TC	316stainless steel	10"	3452-2	\$595.00
Sinterflow 5" Steam/gas filter	P7, 226 o-ring		316 stainless steel	5"	3452-4	\$425.00
Sinterflow 10" Steam/gas filter	P7, 226 o-ring		316 stainless steel	10"	3452-5	\$449.00

Proline Plate & Frame Filter

Superior quality 40 x 40 cm plate & frame filter, santiary designed and constructed.

Specifications:

- Made of 304 stainless steel with Noril plates which are steam sterilizable.
- Three large view sight glasses with pressure gauges and sample valves.
- Three 1-1/2" butterfly valves and 3 piping design for better liquid flow.
- Large drip tray with ball valve for liquid recovery.
- Double filtration divider plate is installed on filter and included in price.
- Complete set up without pump, operation manual included.



Item	No. of Plate	Divider Plate	Pump	Size	SKU	Price
20 Plate Proline Plate & Frame Filter 40x40 cm	20	Included	No	40 x 40 cm	3410	\$4,695.00
30 Plate Proline Plate & Frame Filter 40 x 40 cm	30	Included	No	40 x 40 cm	3411	\$5,395.00
40 Plate Proline Plate & Frame Filter 40 x 40 cm	40	Included	No	40 x 40 cm	3412	\$5,695.00
50 Plate Proline Plate & Frame Filter 40 x 40 cm	50	Included	No	40 x 40 cm	3413	\$6,959.00
Stainless Steel Extension Spindle					3417	\$195.00
Silicone Plates Gaskets for plate & frame					3416A	\$5.00
Silicone End Plates Gaskets for plate & frame					3416G	\$5.00
Noril Plates (replacement plate)				40 x 40 cm	3416	\$69.00
Noril End Plate (replacement plate)				40 x 40 cm	3416E	\$69.00
Filter Pressure Gauge 0 - 100 psi					3415	\$25.00
Extension Spindle in stainless steel					3417	\$195.00

Pico Jolly Plate & Frame Filter

Small filter, comes with 30 plates, size 20 x 20 cm. (8" square).

- Equipped with Noril filter plates that are steam sterilizable.
- Includes a 1/2 h.p. centrifugal pump, 110 V. 60 Hz. with 1-1/2" TC connection.
- Maximum pressure is 45 psi.
- Stainless steel frame on wheels, filters up to 300 gallons per hour.
- Double filtration divider plate included.
- Overall size: 34" L x 20" W x 26" H.



Item	SKU	Price
Pico Jolly Filter with pump & divider plate	3406	\$1,995.00
1/2 h.p. Centrifugal Pump 1" NPTF (replacment pump)	3406B	\$345.00
20 cm x 20 cm Filter Plate (replacement plate)	3406C	\$45.00





Proline Membrane Filter Housing

Pro-Line sanitary membrane filter housing for sterile filtration prior to bottling. Superior material and sanitary construction meets stringent beverage sterile filtration applications. Unsurpassed quality with great price. Complete set up, filter cartridge sold separately.

- Made of 316L stainless steel, electropolished
- Equipped with sanitary pressure gauge 1-1/2" TC
- Two butterfly valves and fittings are included with filter
- Equipped with two plunger valves for air bleed off
- Maximum Operating pressure 100 psi
- Fitted for code 7, 226 o-ring filter cartridge
- Filter housing has three stainless steel legs
- Triple to 12 cartridge housing with swing bolt design on base.
- Sterilization using in-line steam, autoclave or hot water



Item	Cartridge	Cartridge Length	SKU	Price
Proline 10" Single Cartridge Filter Housing	1	10"	3421	\$595.00
Proline 20" Single Cartridge Filter Housing	1	20"	3422	\$695.00
Proline 30" Single Cartridge Filter Housing	1	30"	3407	\$795.00
Proline 30" Triple Cartridge Filter Housing	3	30"	3408	\$1,295.00
Proline 30" Five Cartridge Filter Housing	5	30"	3409-1	\$1,595.00
Proline 30" Twelve Cartridge Filter Housing	12	30"	3409-4	\$2,495.00

Sanitation & Sterilization Guide for Polyethersulfone Membrane

Sterilizing & Sanitizing Agents

Filter hot water	190°	30 minutes cycle
In-line Steam	270°	30 minutes cycle

Chemical Sanitization

Hydrogen Peroxide	15% - 20% concentration, 30 minutes cycle.
Ethanol	80% concentration, 30 minutes cycle.
Peroxyacetic acid	1% - 2% concentration, 30 minutes cycle.

Storage

Sodium Hydroxide	0.5% - 1% concentration
Ethanol	80% concentration

Filter Sheet Rinsing & Sterilization

- Hot water sterilization for 20 minutes at 180 F prior to use.
 - Suggested sanitizers:
 - Sulfur Dioxide @ 1000 ppm
 - 5% citric acid solution
 - Phosphoric Acid solution 0.1 -0.2%, pH 2.0
- Avoid ozone or chlorinated chemicals.

For sucessful filtrations, it's important to maintain consistent flow and pressure throughout filtration. Select proper grades for specific purposes, and do not mix grades within a single filtration without a divider plate. To backflush use only clean water below 120 F. It's important filter sheets are properly oriented in filter with rough side facing inlet plates and smooth side facing outlet plates.

BECOPAD Filter Sheets

Premium Mineral-free depth filter media

Price listed is per box of 100 filter sheets.

10% discount applies to purchase of pallet quantity of 24 cases.



Advantages:

- Maximum purity
- Mineral-free, therefore low ion content
- 20 % higher performance. Reduced pre-rinse volumes
- Increased strength of the depth filter media used versus conventional depth filter sheets
- Rinsing volume reduced by 50 %, resulting in reduced costs
- Very good chemical and mechanical resistance
- Low charge-related adsorption
- Virtually no ash content, therefore optimum ashing
- No undesirable effects to the product

Item	gpm/sq. ft.	Particle Retention	Application	Size	SKU	Price
BECO CPS CP02S Filter Sheet		25 - 15 micron	Coarse	40 x 40 cm	344-002	\$200.00
BECO CPS CP07S Filter Sheet		10 - 15 micron	Coarse	40 x 40 cm	344-007	\$20000
BECOPAD 580 Filter Sheets	87.6	3 - 4 micron	Medium	40 x 40 cm	344-580	\$250.00
BECOPAD 550 Filter Sheets	17.2	2 - 3 micron	Medium	40 x4 0 cm	344-550	\$250.00
BECOPAD 450 Filter Sheets	7.4	1 - 2 micron	Fine	40 x 40 cm	344-450	\$270.00
BECOPAD 350 Filter Sheets	3.9	0.7 - 1 micron	Fine	40 x 40 cm	344-350	\$290.00
BECOPAD 270 Filter Sheets	3.3	0.5 - 0.7 micron	Fine	40 x 40 cm	344-270	\$320.00
BECOPAD 220 Filter Sheets	2.5	0.3 - 0.5 micron	Sterile	40 x 40 cm	344-220	\$320.00
BECOPAD 170 Filter Sheets	1.9	0.2 - 0.4 micron	Sterile	40 x 40 cm	344-170	\$370.00
BECOPAD 120 Filter Sheets	1.3	0.1 - 0.3 micron	Sterile	40 x 40 c-m	344-120	\$420.00

Pall Filter Sheets



Depth filters basically are a maze-like, extremely fine three-dimensional sieve with huge number of branched micro channels. They form a structure with a void volume of 70 - 85% of the total volume of the depth filter. This is indicative of the high dirt holding capacity, amount to almost 4 L/sq. m. of filter area. Pall/Seitz special manufacturing process provides a highly permeable void volume with a characteristic, very high dirt holding capacity. As a result the progressive differential pressure increase during filtration is slow, and the tendency for spontaneous blocking is practically eliminated.

* 10% discount applies to purchase of pallet quantity of 24 cases.

Item	Particle Retention	Application	Size	SKU	Price
T-1000 Pall Filter Sheets	10 - 25 micron	Coarse	40 x 40 cm	3427	\$189.00
K-700 Pall Filter Sheets	7 - 15 micron	Coarse	40 x 40 cm	3430	\$189.00
K-300 Pall Filter Sheets	6 - 12 micron	Coarse	40 x4 0 cm	3431	\$189.00
K-250 Pall Filter Sheets	5 - 9 micron	Medium	40 x 40 cm	3428	\$189.00
k-200 Pall Filter Sheets	4 - 6 micron	Medium	40 x 40 cm	3432	\$189.00
K-150 Pall Filter Sheets	3 - 4 micron	Fine	40 x 40 cm	3433	\$189.00
K-100 Pall Filter Sheets	1 - 4 micron	Fine	40 x4 0 cm	3434	\$189.00
KS-80 Pall Filter Sheets	0.8 - 2 micron	Fine	40 x4 0 cm	3435	\$209.00
EK Pall Filter Sheets	0.5 - 0.7 micron	Sterile	40 x 40 cm	3436	\$249.00
EKS Pall Filter Sheets	0.1 - 0.3 micron	Sterile	40 x 40 cm	3437	\$269.00

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Membrane Filter

Beverage grade filter cartridge designed for beer, wine, bottled water and beverage pre-sterile and sterile filtration. To ensure microbial stability while maintaining quality, clarity, flavor and aroma. All filter cartridges have high dirt-loading capacity and wide chemical compatibility, produced in a state of the art clean room facility to meet demanding beverage industry requirements. Filter cartridges are re-usable, sterilizable with autoclave at 126 C. for one hour or in hot water 203 F. for 10 minutes and should be bubble point tested. Filtration area is 8.4 sq. ft. per 10 inch cartridge. Recommended change-out pressure for disposal is 35 psi.



* 10% discount apply to purchase of case quantity of 12 cartridge.

Beverage grade Sterile Cartridge for Bottling	Length	Particle Retention	Connection	Catalog	Price
0.2 micron Polyethersulfone Filter Cartridge 10"	10"	0.2 micron	P7, 226 o-ring	3475-9	\$95.00
0.2 micron Polyethersulfone Filter Cartridge 20"	20"	0.2 micron	P7, 226 o-ring	3475-8	\$169.00
0.2 micron Polyethersulfone Filter Cartridge 30"	30"	0.2 micron	P7, 226 o-ring	3475-2	\$279.00

Beverage grade Sterile Cartridge for Bottling	Length	Particle Retention	Connection	Catalog	Price
0.45 micron Polyethersulfone Filter Cartridge 10"	10"	0.45 micron	P7, 226 o-ring	3475-5	\$95.00
0.45 micron Polyethersulfone Filter Cartridge 20"	20"	0.45 micron	P7, 226 o-ring	3475-7	\$185.00
0.45 micron Polyethersulfone filter Cartridge 30"	30"	0.45 micron	P7, 226 o-ring	3475-4	\$259.00
226 O-Ring for Filter Cartridge				3475A	\$3.50

Beverage grade Pre-filter Cartridge for Bottling	Length	Particle Retention	Connection	Catalog	Price
1 micron Polypropylene Filter Cartridge 10"	10"	1 micron	P7, 226 o-ring	3474-9	\$49.00
1 micron Polypropylene Filter Cartridge 20"	20"	1 micron	P7, 226 o-ring	3474-8	\$99.00
1 micron Polypropylene Filter Cartridge 30"	30"	1 micron	P7, 226 o-ring	3474-2	\$129.00

Beverage grade Pre-filter Cartridge for Bottling	Length	Particle Retention	Connection	Catalog	Price
5 micron Polypropylene Filter Cartridge 10"	10"	5 micron	P7, 226 o-ring	3474-5	\$59.00
5 micron Polypropylene Filter Cartridge 20"	20"	5 micron	P7, 226 o-ring	3474-3	\$99.00
5 micron Polypropylene Filter Cartridge 30"	30"	5 micron	P7, 226 o-ring	3474-4	\$129.00

Beverage grade Pre-filter Cartridge for Bottling	Length	Particle Retention	Connection	Catalog	Price
10 micron Polypropylene Filter Cartridge 10"	10"	10 micron	P7, 226 o-ring	3474-11	\$59.00
10 micron Polypropylene Filter Cartridge 20"	20"	10 micron	P7, 226 o-ring	3474-10	\$99.00
10 micron Polypropylene Filter Cartridge 30"	30"	10 micron	P7, 226 o-ring	3474-6	\$129.00

Beverage grade Sterile Cartridge for Bottling	Length	Particle Retention	Connection	Catalog	Price
0.45 Micron Polyethersulfone Filter Cartridge 10"	10"	0.45 micron	Double open end	3476-1	\$89.00
0.45 Micron Polyethersulfone Filter Cartridge 20"	20"	0.45 micron	Double open end	3476-2	\$169.00
0.45 Micron Polyethersulfone Filter Cartridge 30"	30"	0.45 micron	Double open end	3476-3	\$249.00

Beverage grade Pre-filter Cartridge for Bottling	Length	Particle Retention	Connection	Catalog	Price
1 Micron Polypropylene Filter Cartridge 10"	10"	1 micron	Double open end	3476-8	\$49.00
1 Micron Polypropylene Filter Cartridge 20"	20"	1 micron	Double open end	3476-7	\$89.00
1 Micron Polypropylene Filter Cartridge 30"	30"	1 micron	Double open end	3476-6	\$129.00



Micro Clear Activated Carbon Filter

Activated carbon has unique adsorptive properties, that bond organic molecules to the internal pores of activated carbon. Filter is made of careful blends of filter aids and cellulose fibers with activated carbon to yield sub-micronic filtration. Made in USA by Ertel Alsop.



Model	Type	Particle Retention	SKU	Price
40 x 40 cm Activated Carbon Filter Sheet	Box of 100 sheet	5.0 micron	3484-1	\$439.00
12" Activated Carbon Lenticular Module	Flat Gasket	5.0 micron	3484-5	\$145.00
16" Activated Carbon Lenticular Module	Flat Gasket	5.0 micron	3484-6	\$295.00

Sil-Kleer Filter Media

A unique filter aid made from volcanic rock with stringently controlled process of removing grit and other foreign substances. The resulting filter aid is an extreme pure, inert, white, light weight material having a unique interlocking structure with myriads of microscopic channels. It affords optimum flow rate and sparkling clarity and does not impart taste, odor or color to filtered liquids. Sil-Kleer offers twice as much filtration, pound for pound, than diatomaceous earth. Users can realize substantial savings in filtration operations with a better filter aid at less cost. Sil-Kleer is safe, contains less than 0.1% silica (almost none) compared to D.E. with up to 60% silica. Sil-Kleer fits all pressure, vacuum and rotary filtration equipment with less equipment abrasion. Sil-Kleer can be easily disposed of, a non-hazardous waste. Ship via LTL common carrier.

Item	Grade	SKU	Price
Sil-Kleer 27-M Filter Media	Fine filtration	3445	\$20.00
Sil-Kleer 23-S Filter Media	Coarse filtration	3446	\$20.00



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Temperature & Control

Portable 1.5 ton Glycol Chiller

Air-cooled chiller designed to provide a glycol fluid temperature around 25° F, but has an operating range of 20° F. to 70° F.

Features:

- Air condensed refrigeration circuit
- 1.5 ton capacity (9346 btu) R134A refrigerant
- Hot gas bypass capacity control
- 1-phase, 208 - 230V. 60 Hz
- Includes 1/2 hp. rotary vane pump (2.4 gpm @ 60 psi) and 4 gallon tank
- NEMA 1 control cabinet
- Water in & out connection is 1/2" NPT
- Measure 19" x 25" x 32" H.

Catalog #307-01 \$5,495.00

Glycol Chiller

Designed for fermentation temperature control. Outdoor chiller designed to re-circulate clean fluid (water and glycol) to maintain the set temperature, which consists of a condensing unit, heat exchanger and controls built into a cabinet. All models include an insulated tank and two pumps. Chiller is made in America.

- 34° F. - Leaving water Temp.
- 44° F.- Enter water Temp.
- Ambient Design: 90°F.

Condensing Unit:

- Coils are constructed of copper tubing with aluminum fins for durability.
- Top discharge allows warm air to be exhausted away from work area.
- Fan motor qualified for outdoor operation
- Compressor includes five year limited factory warranty.

- Factory charge with Ozone friendly R-404A
- Liquid line enhanced Filter dryer.
- Sight glass with moisture indicator
- Thermal expansion valves.
- High/low pressure safety switches.

Item	Power	BTU	Insulated Tank	Two Pumps	Refrigeration	SKU	Price
5 ton Chiller	1-phase 208-230V	60000 BTU	50 gallon	1 hp. & 1- 1/2 hp.	404A	307-05A	\$14,595.00
5 ton chiller	3-phase 208-230V	60000 BTU	50 gallon	1 hp. & 1-1/2 hp.	404A	307-05	\$14,595.00
7-1/2 ton chiller	3-phase 208-230V	90000 BTU	50 gallon	1 hp. & 1-1/2 hp.	404A	307-07	\$16,695.00
10 ton chiler	3-phase 208-230V	120000 BTU	75 gallon	2 hp. & 2 hp.	404A	307-10	\$20,950.00

Temperature Conversions

°F = Degree Fahrenheit	0°	32°	40°	50°	60°	70°	80°	90°	100°	110°	120°
°C = Degree Celsius	-18°	0°	4°	10°	16°	21°	27°	32°	38°	44°	49°



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Kreyer MCK 181/S with Heating

Compact & efficient 5.54 ton chiller (19.4 kw) for cooling & heating application.

- Capacity 5.54 ton (66,480 BTU), Scroll compressor
- Electrical: 1-phase 230 V. 60 Hz.
- Cooling water temperature from -14 F (-10 C) to 77 F (+ 25 C)
- Equipped with a heating-rod 4.5 kw to allow warming of products.
- Built-in Gundfo Pump, stainless steel coil, digital thermostat
- 87.3 gallon (330 L.) insulated tank
- Refrigerant: R410A
- Water connection 1-1/4" with ball valve
- Dimension 39.4" x 39.4" x 66.2", weight 660 lb.

SKU #307-181 \$18,500.00

Chilly Max 90 with Heating

Compact & efficient small chiller for cooling & heating applications.

- Capacity 3 ton (36,508 BTU), Scroll compressor
- Electrical: 1-phase or 3-phase, 230 V. 60 Hz.
- Cooling water temperature from -14 F (-10 C) to 77 F (+ 25 C)
- Equipped with a heating-rod 3.0 kw (4.4 amp) to allow warming of products.
- Built-in Gundfo Pump, stainless steel coil, digital thermostat
- 8 gallon (30 L.)insulated tank
- Refrigerant: R410A
- Water connection 3/4" with ball valve
- Made in Germany
- Dimension 40" x 32" x 39", weight 350 lb.

1-phase SKU #307-90A \$9,795.00



Chilly 45

Compact & efficient small chiller for all cooling applications. Chiller is equipped with low temperature setting for crashing & cold stabilization. Easy to set up and equipped with pump control for automatic shut-off when set temperature is reached.

- Capacity 1.28 ton (15,354 BTU), Scroll compressor
- Electrical: 1-phase 230 V. 60 Hz.. 14 amp.
- Cooling water temperature from -14 F (-10 C) to 77 F (+ 25 C)
- Built-in Pump, stainless steel coil, digital thermostat.
- 8 gallon (30 L.)insulated tank
- Built-in pressure switch, chiller shuts-off pump when set temperature is reached.
- Refrigerant: R404A
- Water connection 1/2" with ball valve
- Made in Germany
- Dimension 40" x 32" x 26", weight 212 lb.

SKU #307-45 \$5,295.00





Propylene Glycol - Dowfrost

Designed to provide freeze/burst and corrosion protection as well as efficient heat transfer in water-base closed loop chiller & heating system. Fluid ingredients are recognized as safe (GRAS) by the FDA.

- Operating temperature range -50° F - +250° F.
- Contains 95.5 % glycols and 4.5% corrosion inhibitors.
- Colorless.
- Specific Gravity @ 60° F: 1.050 - 1.060

SKU# 308-1	5 gallon pail	\$149.00
SKU# 308-2	55 gallon drum	\$1,029.00
SKU# 308-3	275 gal. Tote	\$5,159.00



Ranco Temperature Control

Easy to use and easy to install 110 V. controls for tank temperature control, includes 8' cord with sensor. Electrical cable is not included.



Features:

- Temperature Range: - 30° to 220° F.
- Operating Temp. Range: - 20° to 140° F.
- Enclosure Type: NEMA 1 or NEMA 4X (please select)
- Stages: one. Resistive 15 A / 8A
- Differential 1° to 30° F.

Type	Voltage	Control	SKU	Price
NIMA 1	120 V / 240 V	1-stage	6035	\$79.00
NIMA 4	120 V / 240 V	1-stage	6037	\$139.00
NIMA 4	120 V / 240 V	2-stage	6037-2	195.00
NIMA 1	24 V.	1-stage	6035-2	\$79.00
Replacement	Sensor		6035A	\$22.00

G.W. Kent Temperature Controller

Easy to use and easy to install tank temperature controller for every tank.

Features:

- Microprocessor based temperature controller for tank cooling and heating control .
- 24 V. power supply
- Display of tank temperature and set value temperature
- 2 ft. of cable and sensor,
- Easy switch from C to F reading. Password protection for access

SKU #6039 \$129.00



RTD PT-100 Sensor

Liquid tight RTD sensor for tank installation, with a detachable connector and 12 ft. of premium cable. 1/2" NPT male connection.

SKU #2506-6	4" probe length	\$89.00
SKU #2506-7	8" probe length	\$99.00



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Johnson Controls A421 Tank Temperature Controller

Tank temperature controller is single stage electronic temperature control with a single-pole, double-throw output relay. Controller with NEMA 1 enclosure and features a lockable front-panel touchpad for set up and adjustment and a liquid crystal display for viewing.

- Supply voltage: 120 or 240 VAC
- Range: -30°F to 212° F (-34 to 100° C)
- Power Consumption: 1.8 VA max. Easy to ready front panel liquid crystal display.
- Wide temperature differential adjustment range 1 to 30°F. or C. Adjustable anti-short cycle delay.
- Switch-activated temperature offset function.
- Lockable front panel touchpad.

SKU #6034	NEMA 1 model	\$69.00
SKU #6031	NEMA 4 model	\$109.00



Johnson Controls Digital Thermostat Controller

Sturdy compact electronic thermostat, designed to override on-board refrigerator thermostats and provide accurate temperature control outside the range of the on-board thermostat. Applications includes control of cooler and freezers.

- Temperature Range: - 30° to 220° F.
- 6 ft. extension cord with plug. Easy-to-read LCD display
- Easy to configured cooling applications.
- 6.5 ft. sensor leads. Lockable front panel touchpad
- Voltage 120V / 240 V. input. Enclosure Type: NEMA 1. Differential 1° to 30° F.

SKU #2441 \$89.00



Johnson Controls Manual Thermostat Controller

Easy to use and easy to install 110 V. thermostat control, include 8'cord with sensor. A single-stage cooling controls with single pole, single-throw switches that open on temperature drop. Designed to override on-board refrigerator thermostats.

- Temperature Range: - 30° to 220° F.
- Operating Temp. Range: - 20° to 140° F.
- Voltage 120V / 240 V. input. Enclosure Type: NEMA 1
- Stages: one. Resistive 15 A / 8A. Differential 1° to 30° F.

SKU #2444 \$69.00



Heat-Exchanger Flex-Tube

Designed for cooling or heating of small containers like barrels or tanks. Tube can fit into tight space, like a barrel bung hole.

- 304 stainless steel tube, 1/2" NPT inlet & outlet and max. working pressure 40 psi.

Length	Meter	Connection	Pressure Rating	SKU	Price
Flex-tube 4'-11"	1.5 meter	1/2 NPT	40 psi max.	2816-15	\$345.00
Flex-tube 8'-2"	2.5 meter	1/2" NPT	40 psi max.	2816-25	\$425.00
Flex-tube 11'-5'	3.5 meter	1/2" NPT	40 psi max.	2816-35	\$475..00





Solenoid Valves



Large flow, two-way solenoid valve with reliable action. End connection is female NPT.

- Power: 24V or 110 V.
- Operating temperature -40° to 175° F.
- Operating pressure 0 - 90 psi.
- Normally closed 0 - 140 psi

Stainless Steel Solenoid Valve	Power	SKU	Price
Solenoid Valves 3/4" NPT stainless	24V DC	6038-8	\$85.00
Solenoid Valves 1" NPT stainless	24V DC	6038-9	\$95.00
Solenoid Valves 3/4" NPT stainless	110V AC	6038-8A	\$85.00
Solenoid Valves 1" NPT stainless	110V AC	6038-9A	\$95.00

Brass Solenoid Valve	Power	SKU	Price
Solenoid Valves 3/4" NPT Brass	24V DC	6036-2	\$69.00
Solenoid Valves 1" NPT Brass	24V DC	6036-3	\$79.00
Solenoid Valves 3/4" NPT Brass	110V AC	6036-2A	\$69.00
Solenoid Valves 1" NPT Brass	110V AC	6036-3A	\$79.00

Steam Solenoid Valve	Power	SKU	Price
Steam Solenoid Valves 1" NPT	110 ACP	6035-10	\$170.00
Steam Solenoid Valves 1-1/2" NPT	110V AC	6035-15	\$240.00
Steam Solenoid Valves 2.0" NPT	110V AC	6035-20	\$300.00

Power Supply 24 V. DC

Power supply with flexible input voltage (90 - 130 V) with 24 V.DC output, can support up to 6 solenoid valves.

SKU# 6038A \$99.50



Food Grade Heat Sink Compound

Heat Sink compound is applied to electronic devices for heat transfer which is located in and around food processing area. A non-reactive, silicone, thermally conductive food grade thermo grease with high thermal conductivity and low thermal resistance in a soft non-flowable consistency. This product is formulated with FDA approved ingredients and is acceptable as incidental food contact for use.

- NSF HI approved.
- 8 oz. Jar
- Operating temperature range -55° - 205° C

SKU #4569 \$47.00 / jar.



Air Whisk Nozzle

- Made of ABS plastic rated to 150 F.
- Maximum pressure 100 psi
- 1/4" NPT male connection
- Capacity for Air: @30 psi - 12.3 CFM, @ 60psi - 20.5 CFM, @90 psi - 28.71 CFM
- Height 3-9/16"

SKU# 2925 \$17.50



Volume Conversions

1 mL	=	0.035 fl. oz.
1 fl. oz.	=	30 mL.
1 Liter	=	1000 mL.
1 Liter	=	0.2642 gallon
1 gallon	=	3785 mL.
1 gallon	=	3.785 liter
1 hL	=	100 L.
1 hL	=	26.4 gallon

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Sanitary Pressure Gauge



Features:

- Ideal for CIP or equipment washdown
- Meets 3-A sanitary standards, all 316L stainless steel
- Glycerine filled with polycarbonate glass.
- +/- 2% accuracy



Item	Mounting	Connection	Dial Face	SKU	Price
0-30 psi Sanitary Pressure Gauges	Bottom	1.5" TC	2.5"	2724-6	\$99.00
0-60 psi Sanitary Pressure Gauges	Bottom	1.5" TC	2.5"	2724-7	\$99.00
0-150 psi Sanitary Pressure Gauges	Bottom	1.5" TC	2.5"	2724-8	\$99.00
0-30 psi Sanitary Pressure Gauges	Back	1.5" TC	2.5"	2723-2	\$149.00
0-60 psi Sanitary Pressure Gauges	Back	1.5" TC	2.5"	2723-3	\$149.00

Digital Sanitary Pressure Gauges

Designed specifically for monitoring critical pressure applications in food and beverage industries. Meets 3-A sanitary standard.

Specifications:

- Accuracy: +0.2% Complies with ASME B40.7-1998
- Repeatability: + 0.06%
- Process Temp: 25° to 260° F (-4° to 127° C)
- Display: LCD with 0.9" height.
- 1-1/2" Tri-clamp connection. 2" TC available with special order.
- Rated: NEMA 4X for wash-down
- User programmable via simple operator interface.
- 2 year warranty.



Digital Pressure Gauge	Pressure Switch	SKU	Price
0 - 30 psi Digital Pressure Gauge	No	2726-1	\$745.00
0 - 60 psi Digital Pressure Gauge	No	2726-2	\$74500
0-30 psi Digital Pressure Gauge	Included	2726-5	\$895.00
0 - 60 psi Digital Pressure Gauge	Included	2726-6	\$895.00

Pressure Gauges

General processing pressure gauges with stainless steel case and

- Dial face 2.5" with glycerine filled..
- Polycarbonate lens, brass internal.
- Connection: 1/4" NPT male.
- Accuracy : +/-2%.
- Dual scale: C & F



Item	Pressure	Mounting	SKU	Price
0-30 psi Pressure Gauge	0 - 30 psi	Bottom mount	2725-6	\$14.00
0-60 psi Pressure Gauge	0 - 60 psi	Bottom mount	2725-7	\$14.00
0-30 psi Pressure Gauge	0 - 30 psi	Back mount	2725-8	\$14.00
0-60 psi Pressure Gauge	0 - 60 psi	Back mount	2725-9	\$14.00





Bar Glass Cleaner

Designed for manual brush cleaning, work with hot or cold water. Rinses clean without leaving a head-killing film.

SKU #4606 \$45.00 / case of two 4 lb. container

SKU #4607 \$40.00 / box of 100 packet

Bar Glass Cleaner Low Suds

Designed for electric brush cleaning, work with hot or cold water. Rinses clean without leaving a head-killing film.

SKU #4609 \$45.00 / case of two 4 lb. container

SKU #4608 \$40.00 / box of 100 packet

Beer Clean Sanitizer

Designed for last rinse glass sanitizer. It contains Trichloromelamine (TCM) for effective sanitizing and meets federal sanitation guidelines

SKU #4611 \$55.00 / case of two 25container

Beer Clean Mineral Solvent

Each packet serves as a booster to help soften water for optimal beer glass cleaning.

SKU #4610 \$40.00 / box of 100 packet



Sterox Cleaning Powder

A non-foaming, chlorine free, alkaline powder containing active oxygen, phosphates and additives. Formulated specially for use in beverage and food processing plants for cleaning, bleaching & deodorizing tanks, equipment and production area. Packing 50 lb.

Advantages:

- 4 in 1 action cleaning ability, antibacterial, bleaching and deodorizing
- Non chlorine with active oxygen, good solubility and no foaming, no fragrance and no odor
- Remove fermentation residues. Energy efficient, does not require hot water

Method of use: concentration between 0.5% to 1.5% depending on application, circulate for 15 minutes. Rinse with clean water

SKU #4561 \$105.00 / 50 lb. bag.

Chlorinated TSP Cleaner

Free flowing pink powder that contains chlorine has cleaning, disinfecting and deodorizing properties. This product is non-corrosive to stainless steel or rubber. A good cleaner for tank, equipment, conveyor, tools, floor and processing area.

- Method of use: Use at concentration between 0.5% to 1.5% depending on application (1 Tsp per gallon of water), circulate for 5 - 10 minutes. Rinse thoroughly with clean water.

SKU #4598 \$100.00 / 50 lb. bag

Wall-mounted Hose Racks

304 stainless steel wall-mounted hose racks help keep hose neatly coiled and in place.

SKU #7966 \$195.00



Streamline Wash Down / Mixing Station

Hot & cold water wash down mixing units and hose station, bronze construction with temperature gauge and globe valve, inline check valve and stainless steel hose rack.

Designed as a wall mount unit. Washdown hose and spray nozzle are not included.

- Maximum operating temperature 200° F
- Maximum working pressure 150 psi
- Washdown hose & spray nozzle are not included

SKU #2544 \$549.00



Streamline Wash Down Spray Nozzle

Washdown spray nozzles designed and constructed to withstand the daily demand and severe conditions in large industrial food processing plants.

- Maximum recommended operating temperature 200° F
- Maximum working pressure 150 psi
- Flowrates: 5 -7 gpm under normal conditions (50 - 80 psi) or 10 gpm at 150 psi
- Hose adaptor 3/4" included with nozzle.

SKU #2543 \$110.00



Strahman M70 Spray Nozzle

Strahman spray nozzle M-70 for Wash down mixing units-hose stations. Combines modern & innovative engineering with premium quality parts to build hose nozzles strong enough for industrial and food applications.

- Maximum recommended operating temperature 200° F
- Maximum working pressure 150 psi
- Flowrates: 5 -7 gpm under normal conditions (50 - 80 psi) or 10 gpm at 150 psi
- Hose adaptor and Swivel pro for hose is not included, available for purchase.

SKU #2537A \$189.00



Strahman Hydro-Pro M150 Spray Nozzle

Heavyweight performance in a light weight design, and constructed with a stainless steel housing but weighs less than 2 lb and is ergonomically designed to reduce user fatigue. Features a locking trigger mechanism to lock in a desired spray pattern.

- Maximum recommended operating temperature 200° F
- Maximum working pressure 150 psi
- Flowrates: 5 -7 gpm under normal conditions (50 - 80 psi) or 10 gpm at 150 psi

SKU #2540 \$289.00



Hot Water Hose 3/4"

Multiple textile spirals reinforced hot water hose assembled with garden hose coupling.

Hose with Garden Hose Fitting	I.D.	Max. Temp	Max. Pressure	SKU	price
Hot Water Hose 25 ft.	3/4"	212 F	500 psi	7963	\$199.00
Hot Water Hose 50 ft.	3/4"	212F	500 psi	7964	\$299.00





Goodyear Sani-Wash Food Washdown Hose

An economical hose for hot water washdown up to 200°F cleanup in food processing plants, winery, brewery, dairies, packing houses, and bottling plants. Price is for 50 ft. length.

CONSTRUCTION:

- TUBE: Versigard® synthetic rubber
- COVER: White Versigard® synthetic rubber with Microban® product protection
- REINFORCEMENT: Spiral textile reinforced
- TEMPERATURE: -40°F to 200°F (-40°C to 93°C)



Item	I.D.	O.D.	Pressure Rating	SKU	Price
1/2" Good Sani-Wash Hose	1/2"	0.84"	300 psi max	7965	\$139.00 / 50 ft. coil
3/4" Goodyear Sani-Wash Hose	3/4"	1.17"	300 psi max	7968	\$179.00 / 50 ft coil
1" Goodyear Sani-Wash Hose	1"	1.47"	300 psi max.	7969	\$239.00 / 50 ft coil

Goodyear Fortress Food Washdown Hose



High quality construction for hot water up to 200 degree F. Hose incorporates Microban's anti-microbial built-in protection. ID 3/4" x OD 1.188" and sold in coil of 50 ft.

- Construction: Black Chemigum synthetic rubber tube with spiral synthetic yarn
- Cover is made of yellow carbryn synthetic rubber, RMA (high oil resistance) with microban protection
- Temperature: -20° F. to 200° F. Maximum working pressure 300 psi

Catalog #7967 \$245.00 / 50 ft. coil

Air Hose

Pre-assembled air water hose ID 1/4" x 25 ft. length with 1/4" NPT male end.

SKU #7961 \$39.00



Hose Cleaning Sponge Ball

Item	SKU	Price
3/8" Hose Cleaning Sponge Ball	306-01	\$1.00
1/2" Hose Cleaning Sponge Ball	306-02	\$1.00
3/4 Hose Cleaning Sponge Ball	306-03	\$1.50
1" Hose Cleaning Sponge Ball	306-10	\$3.00
1-1/2" Hose Cleaning Sponge Ball	306-15	\$3.75
2" Hose Cleaning Sponge Ball	306-20	\$4.75
3" Hose Cleaning Sponge Ball	306-30	\$9.50



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Hose Splicer

Stainless steel small diameter hose splicer for hose connection.

Item	SKU	Price
Hose Splicer 3/8" x 3/8"	824-1	\$5.00
Hose Splicer 1/2" x 1/2"	824-2	\$5.00
Hose Splicer 1/4" x 1/2"	824-3	\$5.00
Hose Splicer 1/4" x 3/8"	824-4	\$5.00
Hose Splicer 3/8" x 1/2"	824-5	\$5.00

Swivel Hose Adaptor

For connection to spray nozzle to prevent hose kinks, made of stainless steel.

1/2" Swivel Hose Adaptor
SKU #2537D \$125.00

3/4" Swivel Hose Adaptor
SKU #2537B \$169..00



Lubricants & Plant Maintenance

Food Grade Machine Oil Spray

A heavy duty sanitary lubricant with high load bearing, low friction properties. This sanitary lubricant is highly resistant to separation or bleed. It will not dry or gum on equipment. It provides a protective coating to all metal parts despite moisture.

- Conform to NSF HI for use in food processing plants.
- All ingredients are FDA approved.
- Colorless, odorless and non toxic.
- Non staining, lubricant, spray upright or inverted. 11.25 oz. Spray
- Applications: beverage equipment, pumps, kegs, bottling equipment, valves, gasket & seals.

SKU #4555 \$17.50



Food Grade Lubricant

A heavy duty sanitary lubricant with extended performance, low friction properties. This lubricant is designed for longer lubrication intervals, eliminating downtime to re-lubricate the equipment. This lubricant wears evenly on all moving parts, preventing metal to metal contact and equipment damage. It will not dry or gum on the equipment and is highly resistant to separation or bleed.

- Conform to NSF HI for use in food processing plants.
- All ingredients are FDA approved.
- Applications: beverage quipment, pumps, kegs, bottling equipment, valves, gasket & seals.

SKU #4557 \$4.50 / 4 oz. tube



Food Grade Lubricant Cartridge

A heavy duty sanitary lubricant with high load bearing, low friction properties. It provides a protective coating to all metal prtss despite moisture.

- Conform to NSF HI for use in food processing plants.
- All ingredients are FDA approved.
- 12 oz. cartridge to fit gease gun.

SKU #4560 \$12.50 / 12 oz. cartridge.



Food Grade Machine Oil

A light duty sanitary oil lubricant for all food & beverage processing machine parts. Food grade machine oil contains no animal or vegetable fats and is absolutely neutral. It will not turn rancid, contaminate or taint food products.

- Conform to NSF HI for use in food processing plants.
- All ingredients are FDA approved.
- Odorless, tastelss, colorless and non-toxic.

SKU #4566 \$129.00 / 2.5 gallon jar.



Food Grade Silicone Oil

Silicone Oil is a sanitary spray lubricant, it minimizes cleanup time and sticking problems on food/ beverage packaging and processing equipment. It can be used as a release agent on plastic/rubber parts. This versatile lubricant can be used as an anti-rust film on equipment.

- Conform to NSF HI for use in food processing plants.
- All ingredients are FDA approved.

SKU #4565 \$169.00 / 1 gallon jar



G.W. Kent, Inc. offers commercial financing for equipment



Food Grade Silicone Spray

A heavy duty sanitary spray lubricant that minimizes cleanup time and sticking problem on food packaging and processing equipment. This versatile lubricant can be used as an anti-rust film on equipment.

- Conforms to NSF HI for use in food processing plants.
- All ingredients are FDA approved.
- Colorless, odorless and non toxic.
- Non staining, lubricant, spray upright or inverted. 11.25 oz. Spray
- Applications: grain mills, filling machines, pumps, valves and fittings.

SKU #4558 \$16.50



CitriSurf 77 Plus Rust Removal

A high quality blend of chemicals formulated for rust removal and passivation of stainless steel.

- 22 oz. trigger spray bottle
- CitriSurf is a citric acid based material, safe to use.
- Soak or leave moist with CitriSurf 77 Plus for 15 - 30 minutes at room temperature.

SKU 4521 \$24.00



CitriSurf 2210 Gel for Stainless Steel Passivation

A high quality blend of chemicals formulated gel for passivation of stainless steel. Easy to apply gel form on weld joints or equipment surface, using brush to apply

- Coverage is about 250 sq. ft. per gallon, contact time 30 minutes at room temperature.
- CitriSurf is a citric acid based material, safe to use.
- NSF listed A3 137374.

SKU 4523 1 gallon \$49.00

SKU 4524 5 gallon \$179.00



CitriSurf 3050 Liquid for Stainless Steel Passivation

A high quality blend of chemical formulated for passivation of stainless steel. Liquid form for application using CIP spray ball on tank.

- Contact time 30 minutes at room temperature.
- CitriSurf is a citric acid based material, safe to use.
- NSF listed A3 137373.

SKU 4525 gallon \$199.00



Chemical Dispensing

- Blend, dosing/proportioner for cleaning chemical, 4 gpm proportioner
SKU #3325 \$79.00
- Drum mount cleaning chemical dispenser, 5 gpm.
SKU #3323 \$99.00
- Stainless Steel 1/2" NPT Chemical Injector with adjustable screw to control flow and built-in check valve.
SKU#3327 \$189.00



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Food Grade CIP-Film

Sanitary lubricant develop for CIP system, can be washed off using mild detergent and rinse with hot water.

- Conform to NSF HI for use in food processing plants.
- All ingredients are USDA approved.
- Tasteless, odorless and non toxic. 4 oz. tube

SKU #4554 \$3.95



Food Grade Silicone High Temperature Sealant

- FDA, USDA and NSF approved
- Temperature: -62° F to 500° F.
- 2.8 oz. tube.

SKU #4563 \$5.95



Food Grade Silicone Sealant

- FDA, USDA and NSF approved
- Temperature: -62° F to 350° F.
- 2.8 oz. tube.

SKU #4564 \$4.95



Food Grade Anti-Seize Compound

Prevents galling, seizure, wear and friction on fasteners, threads and joints

- NSF H1 registered.
- Non-toxic, white color. 8 oz. bottle.
- Taste and stain free and Kosher.

SKU #4559 \$29.00



Food Grade Processing Tote

- Molded-in handles and smooth interior for easy cleaning.
- Capacity 50 lb., a.3 cu. ft.
- 90 degree cross stacking via stacking grooves.
- 4:1 nesting ratio for space saving, with reinforced nesting-stops prevent jamming.
- Minimum order 6 pcs.
- SKU #2034 \$16.95 each

Spill Kit Control For Acid Chemical

- 1 lb. jar of Teal-Sorb AC
- one - 4' universal hazmat sock
- four - 15" x 18" hazmat Heavy Weight Pad
- one - heavy duty acid apron, nitrile glove, goggles, dust pan, disposal bag
- one - 5 gallon twist & lock plastic pail & lid.
- SKU #4604 \$86.00 each





How safe is your cellar, walk-in cooler and storage area?
How do you know if your dispense gas is leaking?

What happens when carbon dioxide levels increase?

- 2% you may feel drowsy.
- 3% gas has a slightly narcotic effect, blood pressure rises and hearing can be impaired.
- 5% breathing will become difficult and you may feel confused.
- Over 5%, unconsciousness occurs.

Carbon Dioxide Alarm / Analyzer

Carbon Dioxide is a toxic gas, colorless, odorless and undetectable by human senses. Small leaks could build up to dangerous levels as CO₂ is heavier than air. Our CO₂ analyzer is fitted with both audible and visual alarms. When excess levels of CO₂ are detected an alarm is triggered allowing you to move to a safe place.

Analox is fitted with audio visual alarms, when excess levels of carbon dioxide are detected an alarm is triggered. At dangerous levels a second alarm warns of the need to immediately evacuate the area, until the monitor returns to safe mode.

Specifications:

- Range: 0.1% - 5%
- Repeatability: 2% of full scale.
- Technique: Infra red absorption.
- Response Time: <45 seconds.
- Operating Temperature: -5 to 45 C.
- Power: 110 V.



SKU #2697 Analox 60 (1 central display, 1 sensor & 2 alarm repeater) \$668.00

Aspida Portable CO 2 Alarm / Analyzer

A robust personal CO₂ monitor which can be worn on a belt or even wall mounted CO₂ safety system. Offering audio/visual alarms, datalogging and a man down alarm for loan workers. The Aspida is an affordable, easy to operated CO₂ monitor and is ideal for ensuring safety in the areas where the gas is piped or stored such as cellar, brewery or fast food restaurant.

SKU #2699 \$869.00



Eyewash Station

Inexpensive plastic mounting station with 2 bottles of sterile solution.

- Two 16 oz. bottles of sterile solution with a smooth flange for safe and easy use.
- Polystyrene station can be mounted with screw or foam tape.
- For acid and alkaline burns only.

SKU #4603 \$65.00



Neoprene Coated Gloves

Resistant to oils, acids, caustics, alcohol and solvents, reusable work gloves.

SKU #1021 17" Neoprene Coated Glove \$24.00 / pair

SKU #1022 15" Neoprene Hi-Temp Glove (FDA/USDA) \$32.00 / pair



Hygienic Tools for Beverage Processing

Lightweight & sturdy, hygienically designed for food and beverage industry. Injection molded white color polypropylene or nylon, meets FDA and USDA requirements. Chemical & corrosion resistant, tolerates temperature - 22F to 176 F.



Item	Size	SKU	price
Hygienic Paddle	Paddle blade 6" x 13" x Length 52	298-7	\$69.00
Hygienic Hoe with handle	Hoe 8" x 11" with telescopic handle	298-2	\$99.00
Hygienic Fork with Handle	Blade 10.5" x Length 49" molded handle	298-4	\$95.00
Hygienic Tank Brush with handle	Brush 5.5" x 8" with telescopic handle	298-9	\$99.00
Hygienic Large Blade Shovel	Blade 13.5" x 51" with molded handle	298-6	\$85.00
Hygienic Sieve Shovel	Blade 13.5" x 51" with molded handle	298-5	\$79.00
Hygienic Rake with handle	Rake 7.5" x 8" with telescopic handle	298-3	\$99.00
Ergonomic Hand Brush	Spread angle bristles 5" x 13.5"	298-10	\$24.00
Hygienic Telescopic Handle	62" x 113" max	298-15	\$69.00

Valve & Fitting Brush

SKU #298-20 \$35.00



Pipe & Tube Brush

Brushes	Total Length	SKU	PRICE
1.6" x 20" Tube Brushes	20"	#298-22	\$10.00
2.0" x 20" Tube Brushes	20"	#298-23	\$10.00
1" x 36" Pipe/Tube Brushes	36"	#298-26	\$29.00
2" x 36" Pipe/Tube Brushes	36"	#298-27	\$29.00
3" x 36" Pipe/Tube Brushes	36"	#298-28	\$29.00
1" x 59" Pipe/Tube Brushes	59"	#298-31	\$39.00
2" x 59" Pipe/Tube Brushes	59"	#298-32	\$39.00
3" x 59" Pipe/Tube Brushes	59"	298-33	\$39.00





Food Grade Transfer Hose

Vintner Hose with Sanitary Hose Ends

Goodyear Vintner hose has been designed to handle in-plant and or tank transfer of wine, beer, water and other non-oily liquid food stuffs. Hose sold in 100 ft. coil without any fittings or pre-cut length with hose adaptor assembled & crimped on both ends of hose.



Construction:

- Tube: White chlorobutyl rubber (FDA, USDA, 3-A compliance)
- Reinforcement: Multiple textile piles/internal polyester monofilament Helix
- Cover: Grey Versigard wrapped cover, purple branding tape
- Temperature: -30 F to 220 F (for steam cleaning)
- Vacuum up to 27" Hg.
- Pre-cut hose assembled with 316 stainless steel hose adaptor assembled and crimped on both ends of hose. Ready for service.

Pre-cut hose with 2 hose adaptors	Hose I.D.	Length	Hose Adaptor Size	Pressure Rating	SKU	Price
Goodyear Vintner Hose TC end	1"	10 ft.	1" TC	250 psi max.	710-10	\$429.00
Goodyear Vintner Hose TC end	1"	15 ft	1' TC	250 psi max.	710-15	\$509.00
Goodyear Vintner Hose TC end	1"	20 ft	1" TC	250 psi max.	710-20	\$589.00
Goodyear Vintner Hose TC End	1"	30 ft	1" TC	250 psi max.	710-30	\$729.00

Pre-cut hose with 2 hose adaptors	Hose I.D.	Length	Hose Adaptor Size	Pressure Rating	SKU	Price
Goodyear Vintner Hose TC end	1.5"	5 ft.	1" TC	250 psi max	715-05	\$425.00
Goodyear Vintner Hose TC end	1.5"	10 ft.	1.5" TC	250 psi max.	715-10	\$449.00
Goodyear Vintner Hose TC end	1.5"	15 ft	1.5' TC	250 psi max.	715-15	\$549.00
Goodyear Vintner Hose TC end	1.5"	20 ft	1.5" TC	250 psi max.	715-20	\$629.00
Goodyear Vintner Hose TC end	1.5"	30 ft	1.5" TC	250 psi max.	715-30	\$779.00
Goodyear Vintner Hose TC end	1.5"	50 ft.	1.5" TC	250 psi max	715-50	\$1129.00
Goodyear Vintner Hose TC End	1.5"	80 ft.	1.5" TC	250 psi max	715-80	\$1695.00

Pre-cut hose with 2 hose adaptors	Hose I.D.	Length	Hose Adaptor Size	Pressure Rating	SKU	Price
Goodyear Vintner Hose	2"	20 ft	2" TC	250 psi max.	720-20	\$749.00
Goodyear Vintner Hose	2"	30 ft	2" TC	250 psi max.	720-30	\$949.00
Goodyear Vintner Hose	2"	50 ft.	2" TC	250 psi max	720-50	\$1349.00

Goodyear Vintner Hose (No fittings)

Hose without fittings	I.D.	O.D.	Pressure Rating	SKU	less than 100' price	100 ft. coil, price
1" Goodyear Vintner Hose	1"	1.6"	250 psi max.	79-10	\$16.95 / ft.	\$15.95 / ft.
1-1/2" Goodyear Vintner Hose	1.5"	2.1"	250 psi max.	79-15	\$19.95 / ft.	\$18.95 / ft.
2" Goodyear Vintner Hose	2	2.7"	250 psi max.	79-20	\$21.95 / ft.	\$20.95 / ft.

- Sold in 25 ft., 50 ft. and 100 ft. lengths only.
- Cut Hose is not returnable.

NovaBrew Hose with Sanitary Hose Ends



Construction:

- Tube: White chlorobutyl, odorless and tasteless (3-A, FDA, USDA compliance)
- Reinforcement: Multiple piles of polyester
- Cover: Burgundy EPDM
- Temperature: -40 F to 240 F (CIP to +248 F)

Pre-cut hose with 2 hose adaptors	Hose I.D.	Length	Hose Adaptor Size	Pressure Rating	SKU	Price
NovaBrew Hose TC end	1"	20 ft.	1" TC	250 psi max.	7872-20	\$369.00
NovaBrew Hose TC end	1"	30 ft	1' TC	250 psi max.	7872-30	\$459.00
NovaBrew Hose TC end	1.5"	20 ft	1.5" TC	250 psi max.	7873-20	\$409.00
NovaBrew Hose TC End	1.5"	30 ft	1.5" TC	250 psi max.	7873-30	\$499.00

NovaBrew Hose



- Sold in 25 ft., 50 ft. and 100 ft. lengths only.
- Cut Hose is not returnable.

Hose without fittings	I.D.	O.D.	Pressure Rating	SKU	less than 100' price	100 ft. coil, price
1" NovaBrew Hose	1"	1.6"	200 psi max.	787-10	\$14.00 / ft.	\$13.00 / ft.
1-1/2" NovaBrew Hose	1.5"	2.1"	200 psi max.	787-15	\$15.00 / ft.	\$14.00 / ft.
2" NovabrewHose	2	2.7"	200 psi max.	787-20	\$20.00 / ft.	\$19.00 / ft.

Braided PVC Hose

Hose is clear reinforced tubing for the food & beverage industries. Designed for discharge, can't handle suction. Sold in 50 ft. coil.

Construction

- Tube: Clear Pliovic conforms to FDA, 3-A, & USDA
- Reinforcement: Spiral synthetic yarn. Cover: Clear
- Temperature: 15° F to 150° F



Hose	I.D.	O.D.	Pressure Rating	Length	SKU	Price
1/4" Braided PVC Hose	1/4"	0.4"	250 psi max.	50 ft.	793-14	\$35.00
3/8" Braided PVC Hose	3/8"	0.6"	250 psi max.	50 ft.	793-38	\$45.00
1/2" Braided PVC Hose	1/2"	3/4"	200 psi max.	50 ft.	793-12	\$55.00
3/4" Braided PVC Hose	3/4"	1"	150 psi max	50 ft.	793-34	\$75.00
1" Braided PVC Hose	1"	1.3"	125 psi max.	50 ft.	793-10	\$95.00

Beverage Flexible Vinyl Tubing

Vinyl tubing, a non-toxic, FDA approved formulation can be used in laboratories, food processing, beverage line and dairy applications. Sold in box of 100 ft. coil.

Full coil hose without fittings	I.D.	O.D.	SKU	100 ft. coil
1/4" Beverage Clear Vinyl Tubing	1/4"	3/8"	2414	\$19.50
3/8" Beverage Clear Vinyl Tubing	3/8"	1/2"	2415	\$24.50
5/16" Beverage Clear Vinyl Tubing	5/16	7/16"	2416	\$24.50
1/2" Beverage Clear Vinyl Tubing	1/2"	5/8"	2417	\$24.50
3/4" Beverage Clear Vinyl Tubing	3/4"	1"	2418	\$85.50





Novaflex EPDM Hose

Designed to handle beer, wine or food transfer and other non-oily liquid food stuffs. Odorless & tasteless with ultra smooth microbe resistant tube. Hose will meet application that demands flexibility and ruggedness.



- Construction:
- Tube: FDA UHMW odorless and tasteless (FDA, USDA compliance)
 - Reinforcement: Multiple piles of polyester with helix wire
 - Cover: Grey EPDM
 - Temperature: -40 F to 225 F (CIP to +248 F)
 - Vacuum up to 29" Hg.
 - Pre-cut hose assembled with 316 stainless steel hose adaptor and crimped on both ends of hose. Ready for service.

Novaflex EPDM Hose with Sanitary Hose Ends

Pre-cut hose with 2 hose adaptors	Hose I.D.	Length	Hose Adaptor Size	Pressure Rating	SKU	Price
EPDM Hose TC end	1"	10 ft.	1" TC	200 psi max.	7832-10	\$325.00
EPDM Hose TC end	1"	20 ft	1" TC	200 psi max.	7832-20	\$349.00
EPDM Hose TC End	1"	30 ft	1" TC	200 psi max.	7833-30	\$409.00

Pre-cut hose with 2 hose adaptors	Hose I.D.	Length	Hose Adaptor Size	Pressure Rating	SKU	Price
EPDM Hose TC end	1.5"	10 ft.	1.5" TC	200 psi max.	7833-10	\$365.00
EPDM Hose TC end	1.5"	20 ft	1.5" TC	200 psi max.	7833-20	\$389.00
EPDM Hose TC end	1.5"	30 ft	1.5" TC	200 psi max.	7833-30	\$469.00
EPDM Hose TC end	1.5"	50 ft.	1.5" TC	200 psi max	7833-50	\$675.00

Pre-cut hose with 2 hose adaptors	Hose I.D.	Length	Hose Adaptor Size	Pressure Rating	SKU	Price
EPDM Hose TC End	2"	20 ft	2" TC	200 psi max.	7833-20	\$545.00
EPDM Hose TC End	2"	30 ft	2" TC	200 psi max.	7833-30	\$645.00
EPDM Hose TC Eng.	2"	50 ft.	2" TC	200 psi max	7833-50	\$845.00

Novaflex EPDM Hose



- Sold in 25 ft., 50 ft. and 100 ft. lengths only.
- Cut Hose is not returnable.

Hose without fittings	I.D.	O.D.	Pressure Rating	SKU	less than 100' price	100 ft. coil, price
1" EPDM Hose	1"	1.6"	200 psi max.	783-10	\$10.00 / ft.	\$9.00 / ft.
1-1/2" EPDM Hose	1.5"	2.1"	200 psi max.	783-15	\$11.00 / ft.	\$10.00 / ft.
2" EPDM Hose	2	2.7"	200 psi max.	783-20	\$13.00 / ft.	\$12.00 / ft.

Hot Water Hose 3/4"

Multiple textile spirals reinforced hot water hose assembled with garden hose coupling.

Hose with Garden Hose Fitting	I.D.	Max. Temp	Max. Pressure	SKU	price
Hot Water Hose 25 ft.	3/4"	212 F	500 psi	7963	\$199.00
Hot Water Hose 50 ft.	3/4"	212F	500 psi	7964	\$299.00



GoodYear Nutriflo Hose

Goodyear Nutriflo suction & discharge hose for handling almost every type of dry bulk food material or liquid in gravity flow and vacuum service.

Construction:

- Tube: Clear Pliovic (FDA, 3-A, USDA compliant)
- Reinforcement: High density pliovic helix. Cover: Clear pliovic
- Length: 100 ft. (or cut hose in any 10 ft. increment, cut hose is not returnable).
- Temperature: 15° F to 150° F



- Sold in 25 ft., 50 ft. and 100 ft. lengths only.
- Cut Hose is not returnable.

Item	I.D.	O.D.	Pressure Rating	Catalog	Price per ft.	100 ft. coil price
3/4" Goodyear Nutriflo	3/4"	1"	115 psi max.	792-34	\$3.00	\$2.50 / ft.
1" Goodyear Nutriflo Hose	1"	1.2"	106 psi max.	792-10	\$3.50	\$3.00 / ft.
1-1/2" Goodyear Nutriflo Hose	1.5"	1.7"	89 psi max	792-15	\$3.95	\$3.50 / ft.
2" Goodyear Nutriflo Hose	2"	2.4"	79 psi max.	792-20	\$5.95	\$5.50/ ft.
3" Goodyear Nutriflo Hose	3"	3.5"	65 psi max.	792-30	\$11.95	\$10.00 / ft.



Silicone Hose

Platinum cured silicone meets USP class VI requirement, ultra-flexible, sterilizable by auto-clave, CIP & SIP. No taste or odor imparted, non-toxic, non pyrogenic and manufactured in clean room in USA. Silicone Hose resists temperature extremes and ozone.

- Platinum cured medical grade silicone, price for 50 ft. length.
- Temperature: -10° F to + 400°

Item	I.D.	O.D.	SKU	Price
1/2" Silicone Hose	1/2"	0.875"	798-1	\$225.00
3/4" Silicone Hose	3/4"	1.125"	798-2	\$425.00

Braided Silicone Hose

Platinum cured silicone hose with braid reinforcement, ultra-flexible, sterilizable by autoclave, CIP and SIP. No taste or odor imparted, non-toxic, non-pyrogenic and manufactured in clean room. Resists temperature extremes and ozone.

- Tube: Platinum cured silicone
- Cover: Platinum cured silicone
- Reinforcement: polyester braid
- Temperature: -10° F to +400° F.
- Sold in pre-cut length 50 ft.

Item	I.D.	O.D.	Pressure Rating	SKU	Price
1/2" Braided Silicone Hose	1/2"	0.875"	105 psi max.	797-12	\$525.00
3/4" Braided Silicone Hose	3/4"	1.125"	90 psi max.	797-34	\$725.00
1" Braided Silicone Hose	1"	1.405"	60 psi max	797-10	\$975.00

Wall-mounted Hose Racks

304 stainless steel wall-mounted hose racks help keep hose neatly coiled and in place. SKU #7966 \$195.00





PEX tubing

AquaPEX tubing for hot or cold plumbing application, quick installed with push-fit fittings and crimp/clamp. Color in White, special order for Red or Blue color.

- Max. Temperature: + 200° F
- NSF



Hose	I.D.	O.D.	Pressure Rating	Color	Length	SKU	Price
1/2" AquaPex Tubing	1/2"	0.625"	160 psi max.	White	100 ft.	789-12	\$49.00
3/4" AquaPex Tubing	3/4"	0.875"	160 psi max.	White	100 ft.	789-34	\$79.00
1.0" AquaPex Tubing	1"	1.125"	160 psi max.	White	100 ft.	789-10	\$159.00
1.5" AquaPex Tubing	1.5"		160 psi max	White	100 ft.	789-15	\$399.00
2.0" AquaPex Tubing	2"		160 psi max.	White	100 ft.	789-20	\$759.00
2.5" AquaPex Tubing	2.5		160 psi max.	White	100 ft.	789-25	\$1,059.00
3.0" AquaPex Tubing	3.0		160 psi. max	White	100 ft.	789-30	\$1,279.00



Insulated PEX tubing

PEX tubing ID 3/4" with a layer 1/2" foam insulation surrounding the tubing to reduce installation time and reduce cost. PEX tubing is flexible, durable and corrosion-resistant, designed for plumbing heating & cooling application.

- ID 3/4" x 100 ft. coil (OD 2")
 - Insulation: thickness 1/2"
 - Max. Temperature: + 200° F
 - Hydrostatic rating: 200° F at 80 psi.
- SKU#788-34 \$399.00

Hose Cleaning Sponge Ball

Item	SKU	Price
3/8" Hose Cleaning Sponge Ball	306-01	\$1.00
1/2" Hose Cleaning Sponge Ball	306-02	\$1.00
3/4" Hose Cleaning Sponge Ball	306-03	\$1.50
1" Hose Cleaning Sponge Ball	306-10	\$3.00
1-1/2" Hose Cleaning Sponge Ball	306-15	\$3.75
2" Hose Cleaning Sponge Ball	306-20	\$4.75
3" Hose Cleaning Sponge Ball	306-30	\$9.50



Hose Clamps

Stainless steel hose clamp.

Item	Fit Hose Size	SKU	Price
1-1/2" Hose Clamp	1" - 1-1/4"	82-73	\$2.00
2" Hose Clamp	1-1/2"	82-74	\$2.50
3" Hose Clamp	2-1/2"	82-75	\$3.00

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Magnetic Stirrer



Item	Liquid Stirring Capacity	Speed	Cover Material	SKU	Price
Magnetic Stirrer HI 200M	up to 1 liter (0.26 gallon)	100 - 1000 rpm	316 stainless steel	2679-1	\$169.00
Magnetic Stirrer HI 300N	up to 2.5 liter (0.66 gallon)	100 - 800 rpm	316 stainless steel	2679-2	\$209.00
Magnetic Stirrer HI 310N	up to 5.0 liter (1.3 gallon)	100 - 800 rpm	316 stainless steel	2679-3	\$249.00
Magnetic Stir Bar 5 x 15 mm				2679-5	\$10.00 / 10 pcs.
Magnetic Stir Bar 6 x 25 mm				2679-6	\$15.00 / 10 pcs.
Magnetic Stir Bar 8 x 50 mm				2679-7	\$35.00 / 10 pcs.
Stir Bar Retriever	Length 15"			2679-9	12.00

Test Instruments & Lab Supplies

Portable pH meter for Brewing

For testing pH in brewing water, mashing, wort and fermentation activity. Portable pH meter is waterproof, automatic temperature compensation and electrode with internal temperature sensor. HI 99151

- Range pH: -2.0 to 16.00
- Range Temp. : 23 - 221 F
- Resolution pH: 0.1 pH. Resolution Temp. : 0.1 F
- Accuracy: 0.2 pH & Temp +/-2F
- pH Calibration: Automatic
- Temperature : Automatic compensation

SKU #2609 - \$395.00



pH tester pHEP 5

Waterproof tester for pH measurement with replaceable electrode and stainless steel temperature probe for fast and precise measurements. Dual-level LCD display simultaneous display of measurement reading & temperature. HI 98128.

- Range pH: -2.00 to 16.00 pH
- Range Temperature: 23.0 to 140.0°F
- Resolution pH: 0.01 pH. Resolution Temperature: 0.1°F
- Accuracy pH: ±0.05 pH. Accuracy Temperature ±1°F
- pH Calibration: automatic
- Temperature: automatic compensation

SKU #2614 - \$99.00





Refractometer

Refractometer for measuring sugar content with automatic temperature compensation 10 - 30 degree C. No tools needed for calibration, ideal for field work. Premium quality and best price. Packed in protective plastic case.



Item	Range	Resolution	Accuracy	SKU	Price
Refractometer for Juice	0 - 32% Brix	0.2%	+/- 0.2%	2727	\$39.00
Refractometer S.G.	1.000 - 1.120 specific Gravity	0.2%	+/- 0.2%	2725	\$39.00
Hi_Brix Refracometer	28 - 62%	0.2%	+/- 0.2%	2728	\$39.00
Refractometer - Alcohol	0 - 25% vol. 0 - 40% Brix	0.2% vol. & Brix	+/- 0.2%	2729	\$39.00

Atago PAL Plato Digital Refractometer

- Range: 0.0 -30.0 plato
- Resolution: 0.2 plato
- Accuracy: +/- 0.1 plato
- Temp Comp: 10° - 70° C
- Measuring Time: 3 seconds

SKU #2730 \$395.00



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Atago PAL 1 Pocket Digital Refractometer

- System: Optical refraction critical angle detection.
- Range: 0.0 - 53.0% Brix
- Resolution: 0.1%
- Accuracy: +/- 0.2%
- Temp Comp: 10° - 40° C
- Measuring Time: 2 seconds

SKU #2733 \$329.00

Hanna Refractometer

Best valued digital brix refractometer. Easy measurement, just place a few drops of the sample in the well and press the READ key.

Specifications:

- Range: 0.0-50.0% Brix
- Resolution: 0.1% Brix.
- Accuracy: +0.2% Brix.

SKU #2732 \$175.00



Features:

- 1.5 second measurement time.
- Automatic temperature compensation (ATC).
- Easy set up and storage. Battery operated.

Hydrometers

Precision hydrometer for commercial use. Hydrometers are calibrated to show the percentage of sucrose by weight at 20° C (68° F.) The data of the National Bureau of Standard are used.



Item	Range	Subdivision	SKU	Price
0 - 12 Brix Hydrometers	0 - 12 brix	0.1°	266-12	\$25.00
9 - 21 Brix Hydrometers	9 - 12 brix	0.1°	266-21	\$25.00
19 - 31 Brix Hydrometers	19 - 31 brix	0.1°	266-31	\$25.00
29 - 41 Brix Hydrometers	29 - 41 brix	0.1°	266-41	\$25.00
0-35 Brix Hydrometers with built in Thermometer	0 - 35 brix	0.1°	266-35T	\$43.00
-5 to +5 Brix Hydrometers with built in Thermometer	-5 to +5 brix	0.1°	266-05T	\$43.00
0-12 Brix Hydrometers with built in Thermometer	0 - 12 brix	0.1°	266-12T	\$43.00
9 - 21 Brix Hydrometers with built in Thermometer	9 - 21 brix	0.1°	266-21T	\$43.00
19 - 31 Brix Hydrometers with built in Thermometer	19 - 31 brix	0.1°	266-31T	\$43.00

Item	Range	Subdivision	SKU	Price
Plato Hydrometers with built in Thermometer	0 - 8.5 plato	0.1°	266-8	\$57.00
Plato Hydrometers with built in Thermometer	7.5 - 16 plato	0.1°	266-16	\$57.00
Plato Hydrometers with built in Thermometer	15 - 24 plato	0.1°	266-24	\$57.00
Plato Hydrometer with built in Thermometer	0 - 32 plato	0.1°	266-32	\$57.00

Precision hydrometer for commercial use.

- Calibrated at 20° C
- Length 330 mm (13")
- Lead free

Item	Proof Range	Subdivisions	SKU	Price
Proof Alcohol Hydrometers	20 - 40	0.5	265-1	\$57.00
Proof Alcohol Hydrometers	40 - 60	0.5	265-2	\$57.00
Proof Alcohol Hydrometers	60 - 80	0.5	265-3	\$57.00
Proof Alcohol Hydrometers	80 - 100	0.5	265-4	\$57.00
Proof Alcohol Hydrometers	100 - 120	0.5	265-8	\$57.00
Proof Alcohol Hydrometers	120 - 140	0.5	265-5	\$57.00
Proof Alcohol Hydrometers	140 - 160	0.5	265-7	\$57.00
Proof Alcohol Hydrometers	180 - 200	0.5	265-6	\$57.00
Precision Proof & Tralles Hydrometers	0 - 200	0.5	265-9	\$29.00

Triple Scale Hydrometers for Brewing (pack 10 per case)

Scale 0.800 - 1.15 S.G.

SKU # 2608-1 \$39.00 / case of 10



Lab Supplies



Item	Volume	SKU	Price
250 ml. Erlenmeyer Flasks	250 ml.	261-1	\$6.50
500 ml. Erlenmeyer Flasks	500 ml.	261-2	\$9.50
1000 ml. Erlenmeyer Flasks	1000 ml.	261-3	\$14.50
2000 ml. Erlenmeyer Flasks	20000 ml.	261-4	\$29.50
Filtrating Flask 250 mL.	250 ml.	262-5	\$14.00
Filtrating Flask 500 mL.	500 ml.	262-6	\$20.00
Filtrating Flask 100 mL.	1000 ml.	262-4	\$30.00
Beakers 250 mL.	250 ml.	263-1	\$4.50
Beakers 500 mL.	500 ml.	263-2	\$7.50
Beakers 1000 mL.	1000 ml.	263-3	\$9.00
Beakers 2000 mL.	2000 ml.	263-4	\$10.00
250 ml. Graduated Cylinders	250 ml.	264-1	\$24.00
500 ml. Graduated Cylinders	500 ml.	264-2	\$34.00
1000 ml. Graduated Cylinders	1000 ml.	264-3	\$59.00
Hydrometer Test Cylinder with plastic base	250 ml.	264-9	\$6.00
Volumetric Flask 250 mL.	250 ml.	264-5	\$16.00
Volumetric Flasks 500 mL.	500 ml.	264-6	\$20.00
Volumetric Flasks 1000 mL.	1000 ml.	264-7	\$26.00

Floating Glass Thermometer (pack 10 per case)

Temperature range range 0 - 220° F.
SKU #2608-5 \$39.00 / case of 10

Floating Thermometer with plastic protective cover

Temperature range range 0 - 220° F.
SKU #2608-7 \$7.50 each

Dial Thermometer

- 2" dial face, stainless steel stem 9".
 - Temperature range 0 - 200° F.
- SKU #2603-1 \$5.00 each

Glass Air lock

SKU #2608-9 \$5.00 each

Glass Thief

Glass thief straight, diameter 3/4" x 11-3/4" L.
Pack 10 per box.
Catalog #2983-2 \$39.00 / case of 10.



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Customer Pick Up:

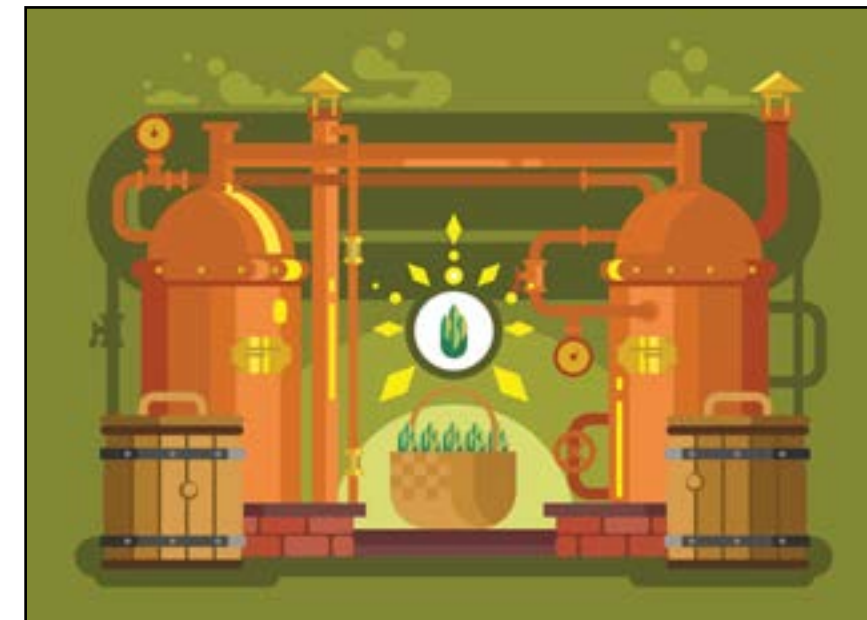
Please allow 24 to 48 hours of order processing time for pick up at our Ypsilanti warehouse.

Dock Hours: 9 am - 4 pm Monday - Friday

Driving Directions:

Our headquarter and wareouse is located 15 miles west Detroit Metro Airport, off I-94.

- Using I-94 West, exit #183 Huron Street, at exit ramp turn right, first building on the left.
- Using I-94 East, exit #183 Huron Street, turn left, first building on the left.





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