

G.W. Kent

2018 – 2019

Winery, Cider & Beverage

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- Visa, Mastercard, American Express, and Discover credit cards are accepted.
- Upon credit approval, our terms are net 10 days from date of invoice.
- Wire transfer & prepay check required for order \$5000.00 and up.
- Minimum order of \$50 is required.
- Prices in print catalog are subject to change without notice. See www.gwkent.com for most up-to-date prices.

It's easy to find equipment, ingredients, and other products for wine, cider, or other beverage processing. Just go to www.gwkent.com and order with just a few clicks. It is that simple.



Shipping and pick-ups

- 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.
- For customer pick-ups, please allow 24 hours of order processing time before coming to our Ypsilanti, Michigan warehouse (9am to 4pm Monday through Friday).



Damage or loss claims

- In the unfortunate event that products are damaged, they must be noted on freight bill and signed by the driver at the time of delivery. The shipping company will honor the claim.



Returns

- To request a return authorization form, please email info@gwkent.com. The form must accompany the returned merchandise.
- Returns must be less than 30 days old (from date of invoice) and in original packaging and condition.
- Returned merchandise subject to 25% re-stocking charge and freight expenses.
- Machinery, Instruments, tanks, pumps, and barrels are subject to manufacturer's warranty and repair policies. We cannot accept returns for the above mentioned products.

Contents

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Filtration



Lenticular Filter Housing

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 sheet is installed in an enclosed sealed filter housing. Lenticular filter is expandable and cost comparable to plate & frame filter. These filter sheets 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" Housing	Filtration surface	Dia. x Height	SKU	Price
2 module Lenticular Filter Housing 12"	3.6 sq. meter	15.7" x 48"	3450-2	\$3295.00
3 module Lenticular Filter Housing 12"	5.4 sq. meter	15.7" x 58"	3450-3	\$3695.00
4 module Lenticular Filter Housing 12"	7.2 sq. meter	15.7" x 60"	3450-4	\$3995.00

16" Housing	Filtration surface	Dia x Height	SKU	Price
2 module Lenticular Filter Housing 16"	10.0 sq. meter	17.7" x 48"	3451-2	\$4095.00
3 module Lenticular Filter Housing 16"	15.0 sq. meter	17.7" x 58"	3451-3	\$4595.00
4 module Lenticular Filter Housing 16"	20.0 sq. meter	17.7" x 69"	3451-4	\$4995.00



Backflush for Lenticular Filter Module

Backflush is effective for the removal of hard and non-deformable contaminants that cake on the filter. Backflush can be performed when the differential pressure reaches 50% of recommended change out differential pressure.

Backflush increases filter service life and economic value of filter.

Procedure:

- Backflush with clean, ambient temperature water at half operating flow rate at 5 psi of pressure (take it slow and easy)
- Increase water temperature to 120 - 140 F. while forward flowing for 10 minutes.
- Stop flow and soak in warm water for 10 minutes, then restart forward flow using ambient temperature water for 10 minutes.
- Drain water out of housing.

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.

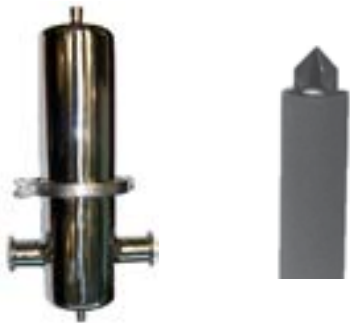


Model	Size	Particle Retention	Surface Area	Gasket	SKU	Price
M-404 Lenticular Pak	12"	5.0 micron	1.5 sq. meter	Flat	3482-1	\$165.00
M-454 Lenticular Pak	12"	2.5 micron	1.5 sq. meter.	Flat	3482-2	\$165.00
M-504 Lenticular Pak	12"	1.0 micron	1.5 sq meter.	Flat	3482-35	\$165.00
M-504T Lenticular Pak	12"	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	Flat	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"	P7, 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	N/A	316 stainless steel	5"	3452-4	\$425.00
Sinterflow 10" Steam/gas filter	P7, 226 o-ring	N/A	316 stainless steel	10"	3452-5	\$449.00

Proline Plate & Frame Filter

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

- 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

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.

Features:

- 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 (67 F)
- 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	\$1295.00
Proline 30” Five Cartridge Filter Housing	5	30”	3409-1	\$1595.00
Proline 30” Twelve Cartridge Filter Housing	12	30”	3409-4	\$2495.00



Filter Housing Bottling Cart

Two 30” filter housing mounted on stainless steel cart with all fittings & valves for sterile filtration prior to bottling.

Features:

- Made of 316 stainless steel, electropolished
- Equipped with 3 sanitary pressure gauge 1-1/2” TC
- 4 butterfly valves and fittings are included with filter

Please see photo & pricing online www.gwkent.com

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°



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.



Beverage grade Pre-filter Cartridge for Bottling	Length	Particle Retention	Connection	SKU	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

(Caution: Handling solution in caustic and acid requires rubber gloves, rubber apron and full shield for protection.)



For successful 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



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

Price listed is per box of 100 filter sheets.

10% discount apply to purchase of pallet quantity of 24 case.

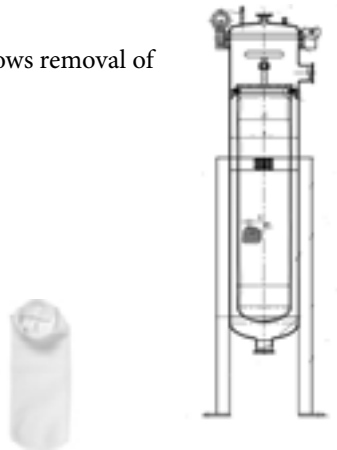
Item	gpm/sq. ft.	Particle Retention	Application	Size	SKU	Price
BECOPAD 580 Filter Sheets	87.6	3 - 4 micron	Medium	40 x 40 cm	344-580	\$250.00
BECOPAD 550 Filter Sheets	17.2	2 - 3 micron	Medium	40 x4 0 cm	344-550	\$250.00
BECOPAD 450 Filter Sheets	7.4	1 - 2 micron	Fine	40 x 40 cm	344-450	\$270.00
BECOPAD 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

Sanitary Bag Filter

Sanitary bag strainer contains a support stainless steel basket and utilizes a disposable bag that allows removal of large particles, D.E., seeds , hops, and foreign particles from process stream.

- Material 316 stainless steel, sanitary construction.
- Stainless steel leg support included.
- 2 butterfly valves, sanitary pressure gauge, bleed off ball valve 1/4” included.
- Inlet & outlet 2” TC
- Diameter 8.7” x Height 49”

SKU #3403 Sanitary Bag Filter #2 \$1495.00



Polypropylene # 2 Liquid Filter Bag

Polypropylene liquid filter bag has good resistance to minerals, alkalis and organic acids and is used for general filtration application. PP material’s allow good cake release and resistance to binding without moisture absorption. Bag available with stainless steel ring or welded seams plastic ring to withstand higher solid load. Bag measurement 7.06” x 32”.

Item	Seam	SKU	Each	Qty. 100 pcs.
1 micron	Stainless steel ring, sew	3403-50	\$7.50	\$5.00
5 micron	Stainless steel ring, sew	3403-51	\$7.50	\$5.00
10 Micron	Stainless steel ring, sew	3403-52	\$7.50	\$5.00
25 micron	Stainless steel ring, sew	3403-53	\$7.50	\$5.00
100 micron	Stainless steel ring, sew	3403-54	\$7.50	\$5.00
1 micron	Welded seams with plastic ring	3403-60	\$7.50	\$5.00
5 micron	Welded seams with plastic ring	3403-61	\$7.50	\$5.00
10 micron	Welded seams with plastic ring	3403-62	\$7.50	\$5.00
Plastic Bag Adaptor	Connection 1.5” TC to bag holder	3403-69	\$49.00	

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. Pall / Seitz has been the leading supplier in the beverage industry providing the best in depth filtration. High wet strength, superior throughput capacity and excellent retention capabilities to remove micron and sub-micron particulates, like haze, yeast, bacteria and colloids yet preserves color, aromas and flavors.



* 10% discount apply to purchase of pallet quantity of 24 case.

Item	Model	Particle Retention	Application	Size	SKU	Price
T-1000 Pall/Seitz Filter Sheets	T-1000	10 - 25 micron	Coarse	40 x 40 cm	3427	\$189.00
K-700 Pall/Seitz Filter Sheets	K-700	7 - 15 micron	Coarse	40 x4 0 cm	3430	\$189.00
K-300 Pall/Seitz Filter Sheets	K-300	6 - 12 micron	Coarse	40 x 40 cm	3431	\$189.00
K-250 Pall/Seitz Filter Sheets	K-250	5 - 9 micron	Medium	40 x 40 cm	3428	\$189.00
k-200 Pall/Seitz Filter Sheets	K-200	4 - 6 micron	Medium	40 x 40 cm	3432	\$189.00
K-150 Pall/Seitz Filter Sheets	K-150	3 - 4 micron	Fine	40 x 40 cm	3433	\$189.00
K-100 Pall/Seitz Filter Sheets	K-100	1 - 4 micron	Fine	40 x 40 cm	3434	\$189.00
KS-80 Pall/Seitz Filter Sheets	KS-80	0.8 - 2 micron	Fine	40 x 40 cm	3435	\$239.00
EK Pall/Seitz Filter Sheets	EK	0.5 - 0.7 micron	Sterile	40 x 40 cm	3436	\$249.00
EKS Pall/Seitz Filter Sheets	EKS	0.1 - 0.3 micron	Sterile	40 x 40 cm	3437	\$269.00

Micro Clear Activated Carbon Filter Sheets



Filter sheets are made of blend of filter aids and cellulose fibers with activated carbon to provide controlled filtration, decolorization and deodorization. Size 40 x 40 cm and micron rating 5 micron. Pack 100 per box.

SKU 3484-1 \$439.00

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. Sil-Kleer is safe, contains less than 0.1% silica (almost none) compared to D.E. with up to 60% silica. Sil-Kleer can be easily disposed of, a non-hazardous waste. Ship via LTL common carrier.

Item	Grade	Weight	SKU	Price
Sil-Kleer 27-M Filter Media	Fine filtration	40 lb.	3445	\$20.00
Sil-Kleer 23-S Filter Media	Coarse filtration	34 lb.	3446	\$20.00



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 D.E., grain or hop particles prior to heat exchanger.

Sanitary Wedge Wire Tube Strainer

- Material 316 stainless steel, sanitary construction.
- Wedge wired insert 100 micron in 316 stainless steel
- Inlet & outlet 2” TC
- Diameter 4” x Height 24”

SKU #3405 \$995.00

Sanitary Wedge Wire Inline Y Strainer

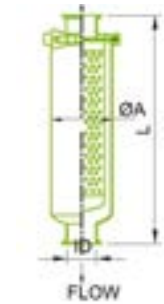
- Material 316 stainless steel, sanitary construction.
- Wedge wired insert 100 micron in 316 stainless steel
- Available in 1.5” or 2” size

SKU #3401-1 1.5” TC Measurement W 6.4” x H 5.6” \$495.00
SKU #3401-2 2.0” TC Measurement W 7.5” x H 5.75 \$595.00

Sanitary Basket Strainer

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 Basket: size 60 mesh

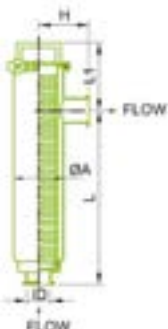
SKU #2026 \$595.00



Side Entry L-type Strainer

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

SKU #2025 \$795.00



Bottom Entry L-type Strainer

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

SKU #2024 Strainer \$695.00



Streamline Strainer



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

New wedge wire filter can be used instead of perforated/mesh strainer for durability and higher pressure.

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

SKU #2020 Streamline Strainer 2” TC \$395.00
SKU #2020A Replacement fine mesh screen \$59.00
SKU #2020W Wedge Wired Filter Insert \$199.00



Sanitary Strainer

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. Rubber band is included to hold sock screen for additional straining. Supersock is available to fit over screen for finer particle (not included).

- Material 304 stainless steel, sanitary construction.
- Basket insert diameter 3” and length 30”, hole 1/4” for high capacity flow.
- Inlet & outlet 2” TC

Item	Screen	Measurement	Inlet & outlet	SKU	Price
Super Strainer	1/4” Perferated	Dia. 4” x L. 40”	2” TC connection	2023	\$495.00
Short Strainer	1/4” Perferated	Dia. 4” x L. 17”	2” TC connection	2022	\$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





Stainless Steel Tanks

Supreme Variable Capacity Flat Bottom Tank

Supreme quality stainless steel materials, accessories and sanitary construction details.
Top quality tank with all desired features at affordable price.

- Racking port with reinforcing plate, includes 1-1/2" TC butterfly valve & fitting.
- Reinforcing stainless steel bar on rim
- Premium grade 304L stainless steel exterior marble finish, mirror polish EZclean interior
- Inflatable vinyl gaskets & all parts complete
- Supreme lid with 3" neck extension for air vent



Butterfly valve & fittings included

Tank Dollie optional purchase

Capacity	Diameter	Height	Thickness	No. of Ports	Port Size & Valve	SKU	Price
320 L. / 85 gal.	25"	39"	16 gauge	1	1.5 TC Butterfly	2749-2	\$795.00
520 L./ 138 gal.	28.7"	49"	16 gauge	1	1.5 TC Butterfly	2749-3	\$995.00
620 L. / 164 gal.	32"	49"	16 gauge	1	1.5 TC Butterfly	2749-4	\$1,095.00
1100 L. / 290 gal.	38"	59"	16 gauge	1	1.5 TC Butterfly	2749-5	\$1,495.00
1500 L. / 396 gal.	44"	61"	16 gauge	1	1.5" TC Butterfly	2749-6	\$2295.00
2000 L. / 528 gal.	44"	81"	16 gauge	1	1.5" TC Butterfly	2749-7	\$2795.00

Variable Capacity Tank Dish Bottom with 2 Jackets

- 304 stainless steel tank with dish bottom & welded legs
- Variable Capacity floating lid with premium air vent
- Racking port & bottom discharge port with 1.5" butterfly valve
- Sanitary sample, thermometer and tank lifting arm included
- Stainless steel tank leveling feet
- Two dimple cooling jackets (Height 13")are covering the circumference of the tank.



Capacity	Diameter	Height	Totat Ht.	Thickness	# of Ports	Port	Jacket	Manway	Sample Valve	SKU	Price
1100 L. 291 gal.	38"	59"	72"	16 gauge	2	1.5" Butterfly	2 Dimple Jacket	Oval	Yes	281-11	\$3,595.00
1500 L 397 gal.	44"	60"	73"	16 gauge	2	1.5" Butterfly	2 Dimple Jacket	Oval	Yes	281-15	\$4,295.00
2000 L. 528 gal.	50	60"	73"	16 gauge	2	1.5" Butterfly	2 Dimple Jacket	Oval	Yes	281-20	\$4,995.00

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Supreme Tank Conical Bottom with- out Cooling Jacket

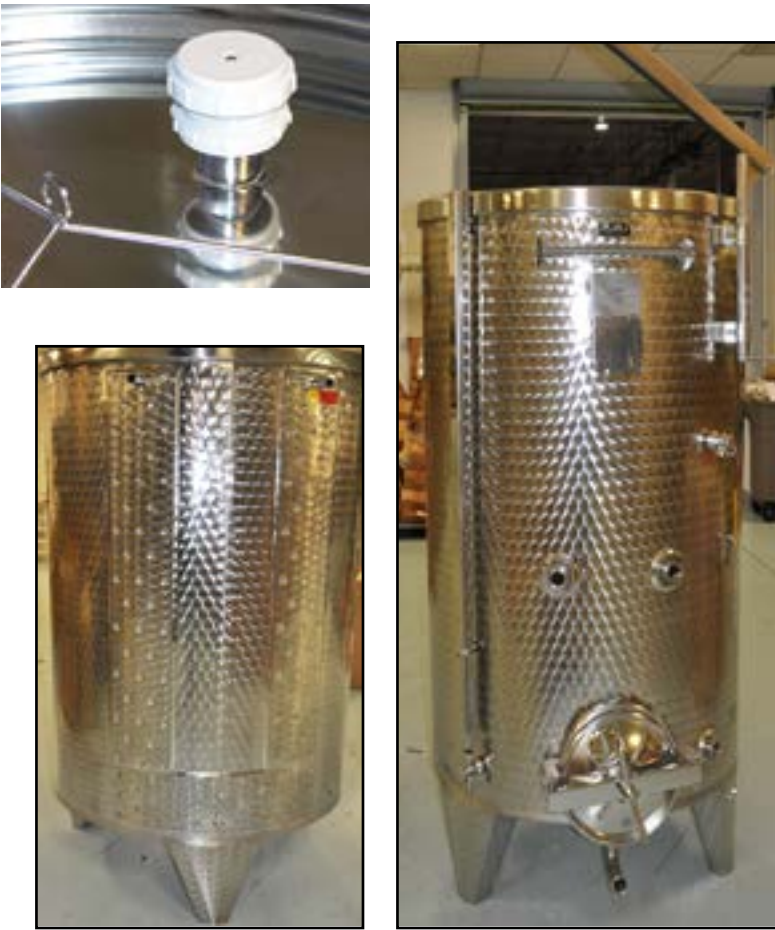
- Special features:**
- 304 stainless steel materials, exterior with marble finish and interior with mirror polish
 - Conical bottom with discharge port, welded legs, racking port with reinforcing plate & butterfly valve
 - Supreme lid with 3” neck extension for air vent, food grade inflatable gasket, hand pump and all parts included
 - Reinforcing rim and heavy gauge steel
 - Sanitary sample valve, butterfly valve and fittings included

Supreme quality stainless steel materials, accessories and sanitary construction details. Top quality tank with all desired features at affordable price. Tank bottom is conical dish with 90 degree elbow toward the front of tank for 100% discharge.



Supreme Tank Conical Bottom with Cooling Jacket

- Special features:**
- 304 stainless steel materials, exterior with marble finish and interior with mirror polish.
 - Conical bottom with TC discharge port, welded legs, racking port with reinforcing plate and butterfly valve
 - Supreme lid with 3” neck extension for air vent, food grade inflatable gasket, hand pump and all parts included
 - Reinforcing rim and heavy gauge
 - Sanitary sample valve, butterfly valve and fittings included
 - Dimple cooling jacket is U-shape covering back side from top to bottom.
 - Premium manway door
 - Level sight gauge with 3-way valve and display capacity marking.



Supreme Tank Conical Bottom without Cooling Jacket

Capacity	Diameter	Height	Total Height	Thickness	Number of Ports	Port Size & Valve	Jacket	Manway Door	Sample Valve	Lid Lifting Arm	SKU	Price
620 L. 164 gal.	32”	50”	60”	16 gauge	2	1.5” TC Butterfly	N/A	N/A	Yes	N/A	2742	\$1,395.00
1100L. 290 gal.	38”	59	71”	16 gauge	2	1.5” TC Butterfly	N/A	N/A	Yes	Yes	2743	\$2,095.00
1500 L. 396 gal	44”	59	71”	16 gauge	2	1.5” TC Butterfly	N/A	N/A	Yes	Yes	2744	\$2,495.00
2000 L. 528 gal.	44”	79”	91”	16 gauge	2	1.5” TC Butterfly	N/A	N/A	Yes	Yes	2745	\$3,095.00

Butterfly valve & fittings included



Supreme Tank Conical Bottom with Cooling Jacket

Capacity	Diameter	Height	Total Height	Thickness	Number of Ports	Port Size & Valve	Jacket	Manway Door	Sample Valve	Lid Lifting Arm	SKU	Price
620 L. 164 gal.	32”	50”	60”	16 gauge	2	1.5” TC Butterfly	Dimple	12” Round	Yes	N/A	2747-9	\$2,295.00
1100L. 290 gal.	38”	59”	71”	16 gauge	2	1.5” TC Butterfly	Dimple	12” Round	Yes	Yes	2747-1	\$3,095.00
1500 L. 396 gal	44”	59”	71”	16 gauge	2	1.5” TC Butterfly	Dimple	12” Round	Yes	Yes	2747-2	\$3,395.00
2000 L. 528 gal.	44”	79”	91”	16 gauge	2	1.5” TC Butterfly	Dimple	16” Round	Yes	Yes	2747-3	\$4,195.00
3100 l. 820 gal.	56”	79”	93”	14 gauge	2	2” TC Butterfly	Dimple	16” Round	Yes	Yes	2747-4	\$6,495.00
4050 L. 1071 gal.	63”	79”	93”	14 gauge	2	2” TC Butterfly	Dimple	16” Round	Yes	Yes	2747-5	\$7,295.00
4900 L. 1296 gal.	69”	79”	93”	14 gauge	2	2” TC Butterfly	Dimple	16” Round	Yes	Yes	2747-6	\$7,695.00
6000 L. 1585 gal.	69”	99”	112”	14 gauge	2	2” TC Butterfly	Dimple	16” Round	Yes	Yes	2747-7	\$9,850.00
8000 L. 2113 gal.	75”	99”	124”	14 gauge	2	2” TC Butterfly	Dimple	16” Round	Yes	Yes	2747-8	\$10,950.00

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Econo Variable Capacity Tank

Made of 304 stainless with marble finish. Offers good value and a great alternative to plastic containers. Two styles to choose from, flat bottom without stand or round dish bottom with stand. Round dish bottom allows for 100% discharge and includes stainless steel tank stand at great value.



- Features:
- Sanitary econo butterfly valve & fittings included
 - 304L stainless steel with rolled rim
 - Food grade inflatable vinyl gasket, lid, hand pump
 - Bright mirror finished interior, marble finished exterior
 - Round dish bottom tank model equipped with bottom drain and tank stand is included



Capacity Flate Bottom	Diameter	Height	Thickness	Number of Ports	Port Size & Valve	Bottom	Tank Stand	SKU	Price
200 L. / 53 gal.	25.6"	25.6"	20 gauge	1	1.5" tc Butterfly	Flat	Optional	2579	\$525.00
300 L. / 78 gal.	25.6"	39.4"	20 gauge	1	1.5" TC Butterfly	Flat	Optional	2580	\$695.00
500 L. / 132 gal.	31.5"	43.3"	20 gauge	1	1.5" TC Butterfly	Flat	Optional	2581	\$849.00
600 L. / 158 gal.	31.5"	51.2"	20 gauge	1	1.5" TC Butterfly	Flat	Optional	2582	\$949.00
1000 L. / 264 gal.	39.4"	51.2"	20 gauge	1	1.5" TC Butterfly	Flat	Optional	2583	\$1,250.00

Round Dish Bottom	Diameter	Height	Thickness	Number of Ports	Port Size & Valve	Bottom	Tank Stand	SKU	Price
500 L. / 132 gal.	31.5"	59"	20 gauge	2	1.5" TC Butterfly	Round	Included	2584	\$995.00
1000 L. / 264 gal.	39.4"	67"	20 gauge	2	1.5" TC Butterfly	Round	Included	2585	\$1,595.00
1500 L. / 397 gal.	39.4"	112"	20 gauge	2	1.5" TC Butterfly	Round	Included	2586	\$2,295.00

Tank Hand Pump

Two types of hand pumps available to inflate gaskets for variable capacity tanks. Deluxe hand pump with larger cylinder for faster inflation and equipped with mounting bracket to bolt to tank leg. Tank hand pump made of 304 stainless steel with pressure gauge and on/off shut-off knob.



Item	SKU	Price
Hand Pump for Variable Capacity Tank	2877	\$39.00
Deluxe Hand Pump for Variable Capacity Tank	2877-2	\$69.00
O-Ring for Hand Pump (set of 10)	2877-4	\$8.00
Pressure Gauge for Hand Pump	2877-5	\$8.00
On/Off shut-off knob for Hand Pump	2877-6	\$5.00



Tank Cooling Plate & Coil

Superior quality Vintner Cold Plates made of 19 gauge 304L stainless steel with mirror polish. Preformed stainless steel channel with welding along its perimeter for superior heat exchange and strength, up to 120 psi of pressure. Designed for food, dairy and beverage applications. Suggested flow rate is 4 - 7 gpm at 15 psi. Connection pipe length is 11.8" with 1/2" barb & pipe thread. No tank mounting hardware.

Item	Width	Length	SKU	Price
14" x 23" Vintner Cold Plates	14"	23"	2819	\$199.00
14" x 31" Vintner Cold Plates	14"	31"	2820	\$225.00
14" x 55" Vintner Cold Plates	14"	55"	2817	\$339.00
18" x 39" Vintner Cold Plates	18"	39"	2821	\$275.00
18" x 55" Vintner Cold Plates	18"	55"	2818	\$439.00



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
- 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



Tank Dollie for Flat Bottom Tank

304 stainless steel dollie with 4 casters for mobility of flat bottom tanks.

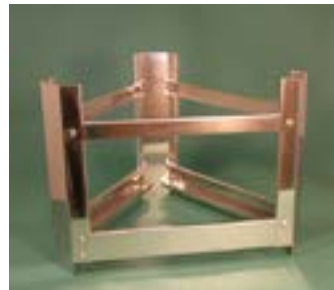
Item	Diameter	SKU	Price
Stainless Steel Tank Dollie 26"	26"	2815-1	\$235.00
Stainless Steel Tank Dollie 29.5"	29.5"	2815-2	\$245.00
Stainless Steel Tank Dollie 32"	32"	2815-3	\$265.00
Stainless Steel Tank Dollie 38.5"	38.5"	2815-4	\$295.00
Stainless Stee Tank Dollie 45"	45"	2815-5	\$345.00



Tank Stand for Flat Bottom Tank

304Lstainless steel tank stand for flat bottom tanks. Assembly required.

Item	Diameter	Fit tank	SKU	Price
200L. / 300 L. Stainless Steel Tank Stand	25.7"	200 / 300 L. Econo	2804	\$159.00
1000 L Stainless Steel Tank Stand	40.2"	1000 L.	2811	\$199.00
1500 L. Stainless Steel Tank Stand	45.2"	1500 L.	2812	\$295.00



Inflatable Black Rubber Gasket

Food grade vinyl inflatable gasket for variable capacity tank. Please measure your floating lid diameter to match gasket size. Gasket is stretched very tight to fit lid to seal.



Item	Diameter	Fits tank	SKU	Price
60 cm Inflatable Black Rubber Gasket	60 cm	lid 24"	25-060	\$55.00
70 cm Inflatable Black Rubber Gasket	70 cm.	lid 27.4"	25-070	\$59.00
75 cm Inflatable Black Rubber Gasket	75 cm	lid 30.3"	25-075	\$63.00
80 cm Inflatable Black Rubber Gasket	80 cm.	lid 31"	25-080	\$65.00
90 cm Inflatable Black Rubber Gasket	90 cm.	lid 36"	25-090	\$69.00
95 cm Inflatable Black Rubber Gasket	95 cm.	lid 37"	25-095	\$69.00
100 cm Inflatable Black Rubber Gasket	100 cm.	lid 39"	25-100	\$72.00
110 cm Inflatable Black Rubber Gasket	110 cm.	lid 44"	25-110	\$74.00
120 cm Inflatable Black Rubber Gasket	125 cm.	lid 49"	25-125	\$79.00
130 cm Inflatable Black Rubber Gasket	130 cm.	lid 51"	25-130	\$84.00
140 cm Inflatable Black Rubber Gasket	140 cm.	lid 54	25-140	\$89.00
145 cm Inflatable Black Rubber Gasket	145 cm.	lid 57"	25-145	\$89.00
160 cm Inflatable Black Rubber Gasket	160 cm.	lid 62"	25-160	\$94.00
170 cm Inflatable Black Rubber Gasket	170 cm.	lid 66"	25-170	\$99.00
185 cm Inflatable Black Rubber Gasket	185 cm.	lid 71"	25-185	\$104.00
200 cm Inflatable Black Rubber Gasket	200 cm.	lid 78"	25-200	\$110.00
210 cm Inflatable Black Rubber Gasket	210 cm.	lid 82"	25-210	\$120.00
240 cm Inflatable Black Rubber Gasket	240 cm	lid 94"	25-240	\$195.00

Inflatable Vinyl Gasket

Food grade rubber inflatable gasket for variable capacity tank, durable & longer service life than vinyl gasket. Molded U-shape gasket for better fit & seal to floating lid. Please measure your floating lid diameter to match gasket size. Gasket is stretched to fit lid to seal.



Item	Diameter	Fit tank	SKU	Price
35 cm. Inflatable Vinyl Gasket	35 cm	lid 14"	288-3	\$22.00
40 cm. Inflatable Vinyl Gasket	40 cm.	lid 16"	288-1	\$22.00
45 cm Inflatable Vinyl Gasket	45 cm.	lid 18"	288-4	\$22.00
50 cm. Inflatable Vinyl Gasket	50 cm	lid 20.4"	2880	\$22.00
60 cm. Inflatable Vinyl Gasket	60 cm.	lid 24"	2881	\$24.00
70 cm. Inflatable Vinyl Gasket	70 cm.	lid 27.4"	2882	\$29.00
75 cm. Inflatable Vinyl Gasket	75 cm	lid 30.3"	288-2	\$31.00
80 cm. Inflatable Vinyl Gasket	80 cm.	lid 31"	288-9	\$34.00
85 cm. Inflatable Vinyl Gasket	85 cm.	lid 33"	288-10	\$34.00
90 cm. Inflatable Vinyl Gasket	90 cm.	lid 36"	2883	\$34.00
95 cm. Inflatable Vinyl Gasket	95 cm	lid 36"	288-11	\$36.00
100 cm. Inflatable Vinyl Gasket	100 cm	lid 39"	2884	\$36.00
110 cm. Inflatable Vinyl Gasket	110 cm.	lid 44"	2885	\$40.00
120 cm. Inflatable Vinyl Gasket	120 cm.	lid 49"	2886	\$42.00
130 cm. Inflatable Vinyl Gasket	130 cm	lid 51"	2887	\$47.00
140 cm. Inflatable Vinyl Gasket	140 cm.	lid 54	2888	\$49.00
160 cm. Inflatable Vinyl Gasket	160 cm	lid 62"	2889	\$53.00
170 cm. Inflatable Vinyl Gasket	170 cm.	lid 66"	288-5	\$55.00
175 cm. Inflatable Vinyl Gasket	175 cm.	lid 66"	288-6	\$58.00
185 cm Inflatable Vinyl Gasket	185 cm	lid 71"	2889-1	\$60.00
190 cm Inflatable Vinyl Gasket	190 cm.	lid 74"	2889-2	\$64.00
200 cm. Inflatable Vinyl Gasket	200 cm	lid 78"	2889-3	\$72.00
210 cm. Inflatable Vinyl Gasket	210 cm.	lid 81"	2889-4	\$78.00

MACX Bin 31



MACX Bin 31	SKU #29-31	\$295.00
Lid	SKU #29-31A	\$95.00

MACX bins are built to meet the most rigorous demands in food processing and agricultural applications. These high-impact resistant HDPE structural foam, fixed wall containers are rugged and recyclable. They meet USDA.HACCP standards for food handling and can be steam cleaned. MACX bins are temperature resistant UV resistant and can be stacked up to 10 high.

- Ext. Dimensions: 48" x 40" x 31"h
- Capacity: 1500 lb.
- Volume: 20.4 bushel, 190 gallon
- 4-way forklift opening.



Plastic 330 gal.
IBC Transport Container

Reliable and safe transport for liquid food products. Space saving modular design that is lightweight and easy to handle. The most popular transport containers for food and beverage industry.

- FDA approved extrusion blow-molded HDPE plastic container
- Capacity is 330 gallon (1250 liter), with 4-way pallet entry
- Outer container is welded galvanized tubular steel grid, pallet is also galvanized steel, designed for protection and handling
- Includes a plastic valve for product discharge, connection is 2" male NPT
- Measurement 47.3" x 39.4" x 53.2" H. Weight 150 lb.

SKU #2759	1 - 9	\$395.00
	10+	\$345.00
SKU #2758	CIP Pipe Adaptor with Rotating Spray ball (Fit on center of plastic cap) \$350.00	
SKU #2759A2"	Plastic IBC Ball Valve	\$49.00
SKU #2759C	Plastic Top Cap	\$49.00



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.
- SKU #2034 \$16.95 each





Special features:

- 304 stainless steel tank with dish bottom & welded legs
- Truncated top manway 8" with premium air vent
- Oval manway 14" x 18" designed for fermentation & storage
- Racking port & bottom discharge port with 2" butterfly valve,
- Sanitary sample valves, level gauge and thermometer
- Stainless steel tank leveling feet
- Dimple cooling jackets are U shape covering back side of tank

Capacity	Diameter	Height	Total Height	Thickness	Number of Ports	Port Size & Valve	Jacket	Manway Door	Sample Valve	SKU	Price
600 L. 159 gal.	32"	49"	72"	16 gauge	2	1.5" Butterfly	Dimple	Oval	Yes	2780-7	\$2995.00
1100 L 291 gal.	38"	59"	82"	16 gauge	2	1.5" Butterfly	Dimple	Oval	Yes	2780-8	\$3395.00
1500 L. 397 gal.	44"	59"	83"	16 gauge	2	1.5" Butterfly	Dimple	Oval	Yes	2780-9	\$4095.00
2000 L. 528 gal.	51"	60"	85"	14 gauge	2	2" TC Butterfly	Dimple	Oval	Yes	2780-1	\$4,795.00
2430 L. 643 gal.	56"	60"	85"	14 gauge	2	2" TC Butterfly	Dimple	Oval	Yes	2780-2	\$5,495.00
3160 L. 836 gal.	63"	79"	104"	14 gauge	2	2" TC Butterfly	Dimple	Oval	Yes	2780-3	\$6,595.00
4150 L. 1098 gal.	63"	85"	104"	14 gauge	2	2" TC Butterfly	Dimple	Oval	Yes	2780-4	\$7,395.00
6250 L. 1654 gal.	69"	99"	126"	14 gauge	2	2" TC Butterfly	Dimple	Oval	Yes	2780-5	\$9,799.00



Stainless Steel Barrels

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. Valves & fittings sold separately.

- 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" length.

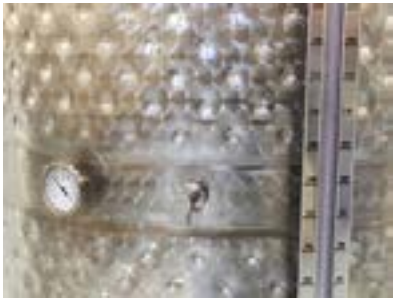
SKU #2757	Quantity 1 - 11	\$879.00
	12 +	\$829.00



White Fermenter with 2 Cooling Jackets

Special features:

- 304 stainless steel tank with dish bottom & welded legs
- Top manway 12" with premium air vent
- Oval manway 14" x 18" designed for fermentation & storage
- Racking port & bottom discharge port with 1.5" butterfly valve,
- Sanitary sample valves, level gauge and thermometer
- Stainless steel tank leveling feet
- Two dimple cooling jackets are covering the circumference of the tank.



Capacity	Diameter	Total Height	Thickness	Number of Ports	Port Size & Valve	Jacket	Manway Door	Sample Valve	SKU	Price
1100 L. 291 gal.	37.6"	77.6"	16 gauge	2	1.5" Butterfly	2 Dimple Jacket	Oval	Yes	281-11	\$3,595.00
1500 L. 397 gal.	44"	79.2"	16 gauge	2	1.5" Butterfly	2 Dimple Jacket	Oval	Yes	281-15	\$4,295.00
2000 L. 528 gal.	50.2"	79.2"	16 gauge	2	1.5" Butterfly	2 Dimple Jacket	Oval	Yes	281-20	\$4,995.00
2450 L. 648 gal.	56.3"	79.2"	16 gauge	2	1.5" Butterfly	2 Dimple Jacket	Oval	Yes	281-24	\$5,695.00

Pico Fermenters

Small closed top tank single wall with 8" manway door on top for storage.

- 16 gauge 304L stainless steel
- Conical bottom with welded legs
- 1-1/2" bottom discharge port
- Racking valve with 1-1/2" TC
- Sample valve, fittings and all parts are included
- Exterior with marble finish and interior with mirror finish, easy to clean

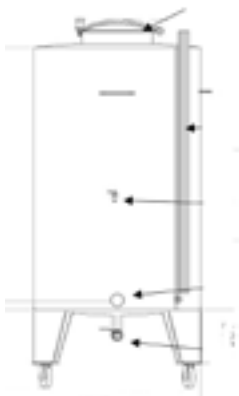


Capacity	Diameter	Height	Total Height	Thickness	Number of Ports	Port Size & Valve	Jacket	Manway Door	Sample Valve	SKU	Price
1100 L. 290 gal.	38"	59"	81"	16 gauge	2	1.5" TC Butterfly	No	No	Yes	2763	\$2,095.00
1100 L. 290 gal.	38"	59"	81"	16 gauge	2	1.5" TC Butterfly	U shape	12" round	Yes	2768	\$3,095.00

Pico Tranport Tank

Closed top tank single wall with 12” manway door on top for storage.

- 304 stainless steel
- Welded legs with dish bottom and caster on legs
- 1-1/2” bottom discharge port with 1.5” TC butterfly valve.
- Racking valve with 1-1/2” TC butterfly valve.
- Sample valve, fittings and all parts are included
- Exterior with marble finish and interior with mirror finish, easy to clean

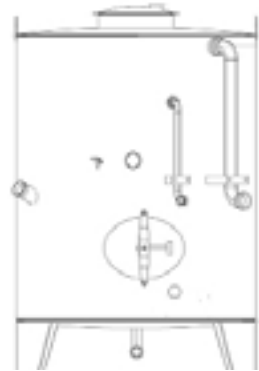


Capacity	Diameter	Height	Total Ht.	Thickness	# of Ports	Port	Sample Valve	SKU	Price
600 L. / 159 gal.	31"	49"	68"	16 gauge	2	1.5" TC	Yes	2803-1	\$2,395.00
1100 L. / 290 gal.	38"	59"	78"	16 gauge	2	1.5" TC	Yes	2803-2	\$3,195.00

Blending Tank

Closed top tank single wall design for blending and mixing application. Tank with mounting plate set up for mixer (mixer is not included) and cirulation piping connection. Tank equipped with oval manway and 12” top manway door on top for storage.

- 304 stainless steel
 - Welded legs with dish bottom
 - 1-1/2” bottom discharge port
 - Racking valve with 1-1/2” TC
 - Sample valve, fittings and all parts are included
 - Exterior with marble finish and interior with mirror finish, easy to clean
- SKU #281-55 \$4,695.00



Euro Transport Tank for Cider, Kombucha & Cold Brew Coffee



- 314 Stainless Steel.
- Pressure rated 15 psi.
- Can be used for fermentation, storage or carbonation.
- 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
- CIP set up with spray ball.
- Pico Carbonation stone 4” with check valve included
- Top manway with PRV, CO2 inlet with quick disconnect

SKU #559-88 Euro Transport tank single wall \$4,995.00
SKU #559-95 Euro Transport tank with glycol jacket \$6,595.00



Brite Tank for Carbonation

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 3 premium 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.
- Vacuum & pressure relief valve, relief pressure 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

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Plastic Tank Vent

Long neck plastic vent with marble to vent CO2 from tank, secured into hole on variable capacity tank lid with a screw-on nut and gasket.

Item	SKU	Price
Plastic Air Vent 1-1/4" for Variable Capacity Tank	2878	\$5.00
Plastic air Vent 1-1/2" for Variable Capacity Tank	2878-2	\$5.00



Stainless Steel Tank Vent TC

- 304 stainless steel material, 2" TC connection.
- Gas inlet with 1/4" female NPT.
- Pressure relief at 9 psi, vacuum break 0.083 psi
- Maximum temperature & pressure rating 3 psi at 70 F

SKU #80-17 \$149.00



Deluxe Tank Vent 2"TC

Spring pressure release plastic tank vent for low pressure wine tank. Connection is stainless steel with 2" TC.

SKU #80-179 \$69.00

Angled Dump Tub with Lid



- Angled plastic dump tub on wheels with lid allows for contents to be easily transported and emptied during processing. Plastic tub and lid meet all USDA specification for food processing.
- Durable high-density polyethylene construction.
- Measurement: 54.6" x W. 32" x H. 21.7

SKU #2900 \$1195.00



Stainless Steel Bottles & Container

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	\$65.00
1 liter stainless steel bottle	3.94"	7.09"	2" TC end cap	299-10	\$69.00
2 liter stainless steel bottle	4.73"	8.98"	3" TC end cap	299-20	\$89.00
3 liter stainless steel bottle	6.30	8.15"	4" TC end cap	299-30	\$129.00
5 liter stainless steel bottle	6.30"	12.33"	4" TC end cap	299-50	\$13900
10 liter stainless steel bottle	8.27"	14.30"	4" TC end cap	299-100	\$159.00
15 liter stainless steel bottle	10.63"	14.22"	4" TC end cap	299-150	\$189.00
20 liter stainless steel bottle	10.63"	17.44"	4" TC end cap	299-200	\$225.00
5 gallon (20 L.) stainless steel container	12.5"	15"	8" lid with locking tab	297-20	\$179.00
10.6 gallon (40 L.) stainless steel container	12.5"	24"	8" lid with locking tab	297-40	\$199.00



Grape Processing

Piston Hydraulic Press with Stainless Steel Basket

Hydraulic vertical press model 70 with single stainless steel basket and juice tray, mounted with tilt frame designed for easy loading & unloading of fruit. Hydraulic cylinder lift pressing plate up and down for prssing. Rice Hull and pressing blanket required to prevent caking.

Features:

- Press frame is heavy duty painted steel with wheels
- Stainless steel basket 28” diameter x 34” height with 90 gallon capacity
- Juice tray and pressing plates are made of stainless steel for sanitary juice processing
- Press operates with a single phase 2-1/2 h.p. motor, 220 V. 60 Hz
- Operating pressure is 4000 PSI. Press uses hydraulic oil ISO 32 (SAE 10)

SKU #2492-5 \$8,995.00



Alfa 80 Hydraulic Press with 2 S.S. Baskets & 2 Mobile Carts

Superior quality, commercial vertical hydraulic press with 2 stainless steel basket & cart for efficient and sanitary fruit pressing. One basket can be loading & unloading fruit while aonther cart is pressing. Rice Hull and pressing blanket require for press-ing.

Features:

- Double stainless steel basket & cart included.
- 2 speed electrical control and 3-phase, 220 V. motor
- Pressure control range 0 - 9000 psi, perfect for whole grapes and ice wine
- Basket size 32” diameter x 36” height
- Production volume is 125 gal. (capacity of 500 lb. of grapes.)
- Press uses hydraulic oil ISO 32 (SAE 10)

SKU #2498 \$17,995.00



Stainless Steel Bladder Press

Modern bladder press, basket and frame are made of stainless steel for sanitation and easy maintenance. Heavy duty stainless steel tilt frame with 4 casters for mobility. Premium food grade rubber bladder with stainless steel mounting hardwares. Hose barb con-nection for water.

Model	Capacity	Bladder	Dimension	SKU	Price
160 L.	42 gallon	21” x 29” H	37” x 33” x 49” H	2420-160	\$3,595.00
250 L.	66 gallon	24” x 36” H	39” x 35” x 58” H	2420-250	\$4,595.00
Replacement Bladder 160 L.				2420-160A	\$390.00
Replacement Bladder 250 L.				2420-250A	\$450.00
Filter Bag for 160 L. Press				2420-160F	\$195.00
Filter Bag for 250 Press				2420-250F	\$245.00
Pressing Bag for 160 L. Press				2420-160P	\$65.00
Pressing Bag for 250 Press				2420-250P	\$75.00



Wood Basket Bladder Press

Traditional wood basket bladder press on painted steel frame, fill bladder with water for press.

Model	Capacity	Dia. x Ht.	SKU	Price
#70 Press	85 gal.	28” x 34”	#246-70	\$2,695.00
Replacement Bladder #70	N/A	N/A	#246-70A	\$450.00

Agitator - Mixer

Electric agitator mixer for mounting onto tank. Support for mixer is required but not included.

- Motor: 1-phase 110 V. 60 Hz.
 - Stainless steel agitator blade with 2” tri-clamp mounting
- SKU #2437 \$2,495.00



Zambelli Cantinetta Crusher / De-stemmer

Simple machine with auger inside hopper to feed grapes into crusher, then de-stems.

- Capacity 1.5 ton/hour, inexpensive well built crusher / destemmer
- 304L stainless steel for start-up winery to process fruit in sanitary condition
- Double rollers to crush fruit are made of food grade rubber and rollers are adjustable to suit berry size
- De-stemming cage is a fixed screen with paddle to push berries through holes in the de-stemming cage
- Single phase 1 hp motor, 220V. 60 Hz. electrical set up
- Full length screw auger to feed grapes into machine

SKU #2432 \$1,495.00

Stainless Steel Stand for Cantinetta (frame painted steel)

SKU #2432-9 \$250.00



Zambelli DeStone Machine for Cherry & Apricot

- Machine with screen set up for cherry and apricot to remove pits.
- Hopper with screw auger & safety cover
- 304L stainless steel to process fruit in sanitary condition
- 1-phase motor, 220 V. 60 Hz.

SKU #2438 \$2,790.00

Stainless Steel Pail

304 stainless steel pail with ergonomic handle for easy pouring. Welded construction, no crevices to collect dirt or bacteria.

SKU #2036 16 Qt. Stainless Steel Pail \$195.00

SKU #2039 20 Qt. Stainless Steel Pail \$219.00

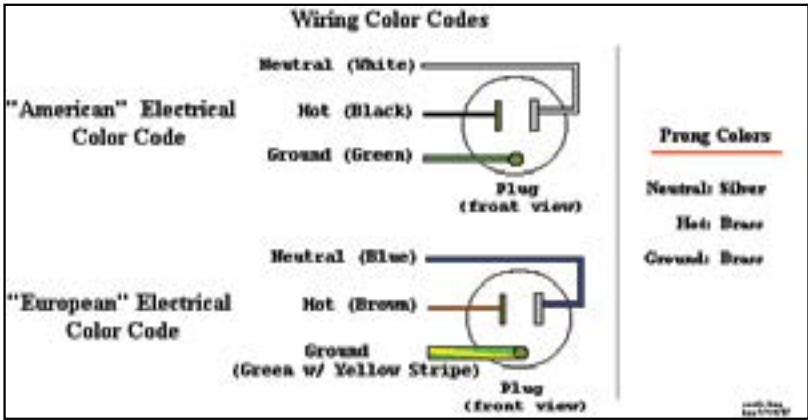


Suction Screen Probe

Designed for pumping free-run juice from macrobin or stainless steel tank, leaving skins and seeds in bin.

- 304L stainless steel, sanitary construction and polish, very easy to clean.
- Consists of suction screen 4” diameter and 25” length connecting to suction wand. Wand has 2” TC connection for juice and hose.
- Total length is 50”
- Can be moved from tank to tank. Time saving tool, indispensable during harvest

SKU #2035 \$295.00



Made of 304 stainless steel, processes grapes gently and efficiently with minimal damage to berries. No built-in must pump (propeller) to destroy crushed grapes into mush and causing problems in press like many inexpensive de-stemmer / crushers on the market. Hopper on top equipped with screw auger for grape feed. Machine is very easy to clean, all grape processing parts can be taken apart and hosed down for cleaning.

Precisa 50 De-stemmer / Crusher

Features:

- Capacity 5 - 6 tons per hour
- Motor in 3-phase, 220V with mechanical variable speed control allowing winemaker to achieve desired quality and speed. Motor is UL/CSA approved. RPM: 350 - 550
- Exterior mounted double rubber roller crusher that can be slid to side when processing whole grapes
- Grape collection bin with must auger is removable
- De-stemming cage in stainless steel and is removable, de-stemming arm in stainless steel with rubber tips yields high quality whole grapes
- De-stemming cage diameter 12" x length 40". Hole diameter is about 3/4". Machine to ground clearance is 17.5"
- Optional teflon de-stemming cage for smaller berries available, price is \$995.00
- Machine measurement 36" x 75" x 71" H. Weight 600 lb.

SKU #2486 \$8,595.00



Precisa 100 De-stemmer / Crusher

Features:

- Capacity 10 - 12 ton per hour
- Motor in 3-phase, 220V with mechanical variable speed control allowing winemaker to achieve desired quality and speed. Motor is UL/CSA approved. RPM: 350 - 550
- Exterior mounted double rubber roller crusher that can be slid to side when processing whole grapes
- Grape collection bin with must auger is removable
- De-stemming cage in stainless steel and is removable, de-stemming arm in stainless steel with rubber tips yields high quality whole grapes
- De-stemming cage 15" diameter x 48" length
- Optional teflon de-stemming cage for smaller berries available, price is \$1295.00
- Machine measurement 40" x 87" x 75" H. Weight 1000 lb.

SKU #2488 \$10,995.00



Apple Pulverizer

Commercial mill designed for apple or pear processing, made of stainless steel. Machine has 2 stainless steel cutting blades to pulverize apples or pears into sauce for pressing. This machine will not work with stone fruit or berry fruit.

- Output: 4500 lb. per hour.
- Motor: 2 hp. 1-phase 220 V. 60 Hz.
- Hopper has a 26" top opening, depth is about 14". Rubber protector is inside hopper
- Machine height is 55"

SKU #2455 \$1,995.00



Delta 30R De-stemmer / Crusher

- 304 stainless steel Destemmer / Crusher. Capacity of 3 to 4 tons per hour.
- Single speed with stainless steel destemming cage with beater arm running at 510 RPM. Destemmer cage cylinder's dia. 9" x 40"
- Removable destemming cage, beater arm and double roller crusher.
- Equipped with full length auger for grape cluster feed
- 3-phase motor 2.5 h.p. 220V. 60 Hz.

SKU#2431 \$5,995.00



Delta 30 De-stemmer

- 304 stainless steel, capacity of 3 to 4 tons per hour.
- Single speed with stainless steel destemming cage with beater arm running at 550 RPM.
- Destemmer cage cylinder's diameter is 10".
- Gentle destemming with removable destemming cage and beater arm. Machine has no rollers to crush grapes.
- Equipped with full length auger for grape cluster feed and full length auger for crushed grape out of destemmer.
- Single phase motor 2.5 h.p. 220V. 60 Hz.

SKU #2430 \$3,295.00



Pump Cart for Juice Pump Over Cart

Mobile pump cart with large pushing handle and wheels, sanitary designed and constructed to meet winery processing requirements. Sloped and winged bottom allows 100% juice discharge.

- Pump cart measures: 30" L x 30" W x 26" H. Total height 36"
- Sloped & winged bottom mounted on 4 legs.
- Mounted on four 6" wheels with handle for mobility
- Removable screen 6" deep with handle
- Juice intake pipe with elbow and 2" TC connection
- Bottom drain 2" TC for 100% discharge
- Sanitary constructed in 304L stainless steel 14 gauge

SKU #2037 \$1,695.00



Petite Pump Cart

- Pump cart measures: 30" L x 30" W x 21" H. Total height 28"

SKU #2038 \$1,395.00



Punch-Down for Caps

304 stainless steel punch down caps efficiently. New sanitary design easy to clean with a 59" handle.

SKU #2031 \$175.00

Injector

For in-line adding of fining agents during liquid transfer, with 1-1/2" TC connection, easy, uniform and effective. Connect injector to pump feed and product is blended during pumping process. Injector feed is by gravity and feeding product has to be in liquid form for pump stream.

SKU #85-10 \$119.00



Jabsco Veraflex Impeller Pump

A gentle reliable pump with variable speed frequency drive that can handle juice, wine, or must. Variable Frequency Drive adjusts the speed of an electric motor by regulating the power being delivered. Pump is self priming and mounted on cart with reversing switch, can be used for transfer, filtration and bottling.

- Single-phase, 230 V. 60 Hz. 3 HP motor
- Hygienic body made of 316 stainless steel, closed coupled, 3A.
- Self Priming, even from dry start up
- Wireless remote control included. Up to 50 ft. range with forward & reverse
- Connection 2" TC
- Flow rate 3 - 60 gpm & reversible.
- Positive displacement to pump and meter viscous fluids like must.
- Variable speed frequency drive - NEMA 4 enclosure
- Impeller made of sanitary Neoprene.
- VFD: 230 VAC 1 phase input, 50/60 Hz.
- Large pump cart with pneumatic tires.
- Storage tray mounted on handle for remote control storage and part storage.

SKU #2912-9

\$4,695.00



Zambelli Impeller Pump Single Speed

Single speed pump for wine & juice transfer.

- Self priming
- 304L stainless steel pump housing and food grade impeller
- Equipped with by-pass valve to slow down flow rate about 20%, and reversing switch.
- Connection is Tri-Clamp and motor is single phase UL/CSA protective motor, 900 RPM

Model	Application	Motor h.p.	Phase	Speed	Voltage	Connection	Flow Rate	Pressure	RPM	SKU	Price
T-70	Wine/Juice	1-1/4	1	Single	220V. 60 Hz.	2" TC	35 gpm	50 psi max	900	291-8	\$1,295.00
T-110	Wine/Juice	1-3/4	1	Single	220V. 60 Hz.	2" TC	50 gpm	50 psi max	900	291-9	\$1,495.00
T-25 Pico-Econo	Wine/Juice	1/2	1	Single	220V. 60 Hz.	1-1/2" TC	10 gpm	58 psi max	900	297-3	\$979.00



Zambelli Variable Speed Must Pumps

Variable speed impeller pump with Toshiba frequency drive and remote control for handling of must or wine.

- Frequency drive with remote control
- 304 stainless steel pump housing
- Self priming, with food grade impeller, by-pass valve and reversing switch
- 3-phase UL/CSA protective motor 208V/220V. 60 Hz

Model	Application	Motor	Phase	Speed	Voltage	Connection	Flow Rate	Pressure	RPM	SKU	Price
T-70	Juice/Wine	1-1/4 h.p	3	Variable	220V. 60 Hz.	2" TC	1.5-30 gpm	50 psi max	32-750	291-3	\$3,295.00





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. Simple maintenance and easy to clean.



- Features:
- 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 \$3,795.00



Double Diaphragm Pump

- Features:
- Handles wide variety of fluids with high solids content
 - Self Priming, ability to run dry
 - Air filters & regulator is included.
 - Variable flow rate and discharge pressure
 - Portable & easy installation, just connect air supply line and liquid line hose
 - Dead Head, the discharge line can be closed with no damage or wear
 - Gentle nature, without damage to sensitive product during transfer
 - Explosion Proof, safe to operate
 - The air requirement is 0.75 cfm to 1 gpm

Model	Material	Capacity	Port	Diaphragm	Max. temp.	Max. solid	Suction Lift	SKU	Price
1/2"	Polypropylene	7 gpm	1/2" NPT	Santoprene	140 F	1/31"	10 ft.	2979-15	\$495.00
3/4"	Polypropylene	20 gpm	3/4" NPT	Santoprene	140 F	1/6"	18 ft.	2979-20	\$895.00
1"	Polypropylene	30 gpm	1.5" TC	Santoprene	140 F.	3/16"	18 ft.	2979-25	\$1,295.00
1-1/2"	Polypropylene	60 gpm	1.5" TC	Santoprene	140 F	9/32"	18 ft.	2979-40	\$2,295.00
2"	Polypropylene	140 gpm	2" TC.	Santoprene	140 F	5/16"	18 ft.	2979-50	\$3,595.00

Double Diaphragm Pump with Cart & Surge Suppressor

Complete mobile pump set up on a stainless steel tubing cart, equipped with surge suppressor, air filter & regulator, fittings and adaptors.

Model	Cart Material	Flow Rate	Port	Air Filter & Regulator	Surge Supressor	SKU	Price
1"	Stainless Steel with 4 wheels.	30 gpm	1.5" TC	1/2"	4" x 24"	2979-25M	\$1,995.00
1-1/2"	Stainless Steel with 4 wheels	60 gpm	1.5 TC	1/2"	4" x 24"	2979-40M	\$2,995.00
2"	Stainless Steel with 4 wheels	140 gpm	2" TC	1/2"	4" x 24"	2979-50M	\$4,295.00



Packaging

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:

- 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 6 spout filling machine \$1,795.00
SKU#2477A Rebuilt seal & o-ring (6 nozzle) \$75.00

Pneumatic Corker

Corker in 304 stainless steel, pneumatic model requires a 1 h.p. air compressor (not included) to operate corking jaw and cork insertion.

Features:

- 304 stainless steel sanitary construction
- Auto feed hopper holds 250 - 500 corks
- Automatic adjustment for natural cork & synthetic cork, diameter 22 mm x 26 mm and max. length 50 mm
- 304 stainless steel jaw, reliable & uniform compressing
- Automatic safety sensing system to avoid bottle breakage.
- Adjustable bottle height
- Production rate 600 bottles per hour

SKU # 2015-1 \$4,695.00



Manual Rinser & Sparger for Bottles

- 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 Bottle Rinser

- Rinser with 4 water jets as bottle rinser, water filter is included
- Stainless steel frame on low stand for easy working height

SKU #3359 \$2,595.00



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 by lowering handle half way. Filling valve opens when handle is press down. 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	\$8,995.00

Pneumatic Capper Air-Matic

Semi-automatic pneumatic capping machine in 304 stainless steel suitable for small production of champagne, cider or beer. Requires a 1 hp air compressor (not included) to operate. Pneumatic cylinder requires routine lubrication.

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.

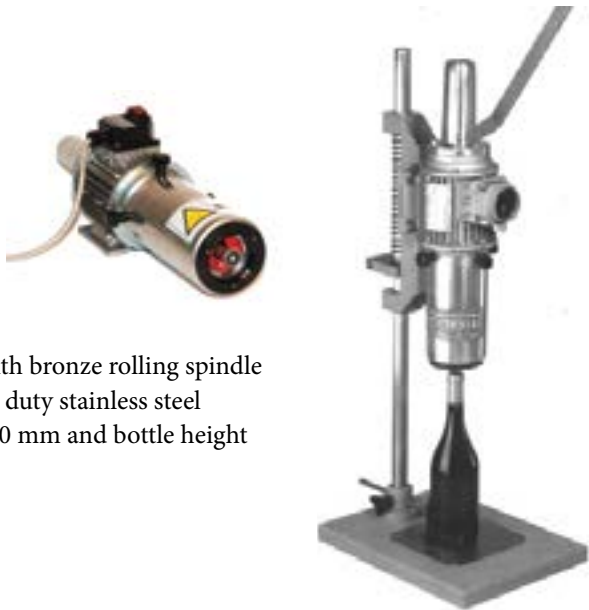
SKU #2010 - \$895.00



Tin Foil Spinner Machine

For commercial application of tin or polylam capsules to bottles, a spinner with bronze rolling spindle for applying pressure to capsules. Spring loaded handle, mounted on a heavy duty stainless steel bench mount stand. Machine will accomodate maximum capsule length of 60 mm and bottle height from 180 mm to 360 mm at speed 1400 rpm. Single phase 220V.

SKU #3502 Foil Spinner mounted on stand \$2,395.00
SKU #3502-1 Foil Spinner head only, no stand. \$1,595.00





Shrink Capsule Machine

Commercial heat shrink machine designed for PVC capsules, bench top with heavy duty thermal head with spring loaded handle. Temperature is adjustable and ceramic disc for shrinking capsule disc on top, professional capsuling job everytime. For capsules maximum length of 60 mm. Machine works with bottles 1/2 liter to 2 liter. Single phase 220 V.
SKU #3501 \$1,595.00

Econo Shrink Tunnel

Inexpensive heat shrink tunnel with basic heating coil without thermostat for adjustment of temperature. Single phase 110 V.
SKU #3504 \$350.00



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 wheels. 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. Two lever safety hand activation with no foot pedal.

- 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

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 \$1,895.00

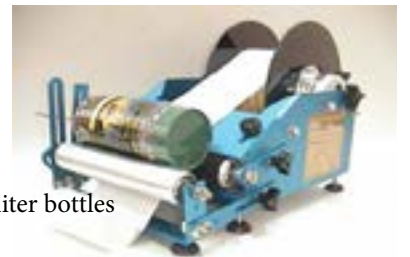


Race Junior Manual Labeling Machine

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 or 3 liter 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 (requires optional gap guide)
- 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 label
- Handles label rolls up to 12" diameter and front and back labels on the same roll
- Easy adjustment to different size bottle. Light weight, portable and compact design

SKU #3512 \$1,495.00



www.gwkent.com

info@gwkent.com

1.800.333.4288



Race Taper Manual Labeling Machine

Same machine as Race Standard but roll spacing angle is adjustable to compensate for tapered bottles, so label is positioned straight on bottles
SKU #3511 \$1,795.00

Wine Bottles

Wine bottles are cork finished with bottle neck opening 18 mm for standard wine cork. Sold in pallet quantity, about 100 cases per pallet (depends on style of bottle). No mix and match.



Item	Capacity	Color	Packaging	SKU	Price
Bordeaux Champagne Green Bottles W5	750 ml.	Champagne Green	12 / case	6201	online
Bordeaux Antique Green Push-up Bottles W65	750 ml. push up	Antique Green	12 / case	6218	online
Taper Bordeaux Antique Green Push-up Bottles	750 push up	Antique Green	12 case	6210	online
Bordeaux Flint Bottles W5	750 ml.	Clear	12 / case	6209	online
Bordeaux Flint Push-up Bottles W65	750 ml. push up	Clear	12 / case	6212	online

Item	Capacity	Color	Packaging	SKU	Price
Celebration Champagne Bottle (26 mm cap finish)	750 ml.	Amber	12 / case	6256	\$16.00
Belgian Beer Bottles (Cork finish)	750 ml	Amber	12/ case, 84 case / pallet	6252	1,175.00
Glass Growler Bottle (38 mm twist cap finish)	64 oz.	Amber	6 / case, 48 case / pallet	5255	\$809.00



Bottle SealingWax

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 Bottle Sealing Wax	1 lb. block	2310-1	\$14.95
Green Bottle Sealing Wax	1 lb. block	2310-2	\$14.95
Black Bottle Sealing Wax	1 lb. block	2310-3	\$14.95
Metallic Gold Bottle Sealing Wax	1 lb. block	2310-4	\$17.50
Metallic Silver Bottles Sealing Wax	1 lb. block	2310-5	\$17.50
Metallic Copper Bottle Sealing Wax	1 lb. block	2310-6	\$17.50
Metallic Purple Bottle Sealing Wax	1 lb. block	2310-7	\$17.50
Yellow Bottle Sealing Wax	1 lb. block	2310-8	\$14.95
Red Bottle Sealing Wax	1 lb. block	2310-9	\$14.95



Acquamark Wine Corks

A natural wine cork with greater porosity. It undergoes an aesthetic procedure which improves its appearance, mechanical characteristics and bottling performance. Cork length is 44 mm and diameter is 24 mm, designed for standard wine bottle of neck opening of 18 mm.
SKU #0009 \$199.00 per bag of 1000 cork.



Agglomerated Wine Corks

New generation of agglomerated wine cork with great structural stability. This cork is recommended for wines intended for early consumption. Cork length is 44 mm and diameter is 23 mm, designed for standard wine bottle of neck opening of 18 mm.
Catalog #0003 \$109.00 per bag of 1000 corks

New generation of agglomerated cork for low CO 2 level sparkling wine product. Cork length is 44 mm and diameter 25.5 mm.
SKU #0014 \$189.00 per bag of 1000 corks.

Synthetic I-TEK WineCork

An injected expanded cellular cork with uniform internal structure and mirror smooth exterior surface. High quality copolymer delivers consistent high performance to protect your wine.

- No off-flavor, breakage or disintegration.
- Maintain long term wine quality without leakage.
- Natural cork appearance, diameter 38 mm x length 22 mm.



SKU #0015 \$95.00 per bag of 1000 cork.

Natural Corks Winery Grade

Premium quality natural wine corks from Portugal, washed without chlorine provides sensorily neutral, clean and aesthetically beautiful corks. Corks are washed in a mild solution of hydrogen peroxide, an ideal antiseptic and cleansing chemical. Additional process of washing and corks are neutralized and residual oxidants are removed. Corks are dried to about 6% moisture, dust-free, stabilized and packaged. Corks size is #9 X 1-3/4” and fit standard wine bottles with 18 mm bottle neck opening.



Item	SKU	Price / 1000 corks
Super-Plus Winery Grade Corks	0020	\$415.00
First Quality Winery Grade Corks	0022	\$315.00



Colmated Corks

The manufacturing process of colmating material seals the corks and covers all imperfections. Colmated corks reduce seepage and wine migration compared with non-colmated corks of same quality. Colmated corks are an excellent alternative to low-grade natural corks or agglomerated corks.

Item	SKU	Price / 1000 corks
#8 x 1.5” Colmated Cork	0008M	\$89.00
#9 x1.75” Colmated Cork	0002M	\$119.00



Crown Caps

Universal crown cap, available in size 26 mm or European 29 mm. Please note price break of 6 case is for single color only, no mix or match.



Crown Caps	Crown Size	Cap per Case	SKU	Price per case	6 case + price
Black Color	26 mm	10,000 caps	2304-1	\$139.00	\$120.00
Red Color	26 mm	10,000 caps	2304-2	\$139.00	\$120.00
Silver Color	26 mm	10,000 caps	2304-3	\$139.00	\$120.00
White Color	26 mm	10,000 caps	2304-4	\$139.00	\$120.00
Green Color	26 mm	10,000 caps	2304-5	\$139.00	\$120.00
Yellow Color	26 mm	10,000 caps	2304-6	\$139.00	\$120.00
Gold Color	26 mm	10,000 caps	2304-9	\$139.00	\$120.00
Aqua Blue Color	26 mm	10,000 caps	2304-8	\$139.00	\$120.00
Orange color	26 mm	10,000 caps	2304-11	\$139.00	\$120.00
American flag print	26 mm	10,000 caps	2304-12	\$139.00	\$120.00
Black	29 mm	7500 caps	2303-1	\$250.00	
Red	29 mm	7500 caps	2303-2	\$250.00	
Gold	29 mm	7500 caps	2303-3	\$250.00	
Silver	29 mm	7500 caps	2303-4	\$250.00	



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

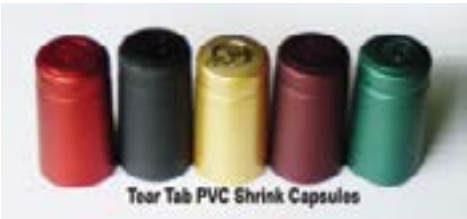


Non Tear-Tab PVC Capsules

- Size 31 mm x 60 mm
- Matte finish
- Non tear tab to fit standard wine bottles
- Sold in case lot of 9000 capsules

Item	Color	SKU	Price per case of 9000 pcs.
Burgundy PVC Shrink Capsules	Burgundy	2305M-1	\$315.00
Silver PVC Shrink Capsules	Silver	2305M-2	\$315.00
Rhein Gold PVC Shrink Capsules	Rhein Gold	2305M-3	\$315.00
Dark Green PVC Shrink Capsules	Dark Green	2305M-4	\$315.00
Black PVC Shrink Capsules	Black	2305M-5	\$315.00
Copper PVC Shrink Capsules	Copper	2305M-6	\$315.00
White PVC Shrink Capsules	White	2305M-8	\$315.00
Navy Blue PVC Shrink Capsules	Navy Blue	2305M-9	\$315.00
Oriental Red PVC Shrink Capsules	Oriental Red	2305M-10	\$315.00
Teal PVC Shrink Capsules	Teal	2305M-11	\$315.00
Nugget Gold PVC Shrink Capsules	Nugget Gold	2305M-12	\$135.00
Cobalt Blue PVC Shrink Capsules	Cobalt Blue	2305M-13	\$315.00
Rust PVC Shrink Capsules	Rust	2305M-14	\$315.00
Gray PVC Shrink Capsules	Gray	2305M-15	\$315.00

Tear Tab PVC Capsules



- Size 31 mm x 60 mm
- Matte finish
- Tear tab
- Sold in case lot of 9000 capsules

Item	Color	SKU	Price per case of 9000 pcs.
Tear Tab Burgundy PVC Shrink Capsules	Burgundy	2309-1	\$333.00
Tear Tab Oriental Red PVC Shrink Capsules	Oriental Red	2309-2	\$333.00
Tear Tab Dark Green PVC Shrink Capsules	Dark Green	2309-3	\$333.00
Tear Tab Black PVC Shrink Capsules	Black	2309-4	\$333.00
Tear Tab Rhein Gold PVC Shrink Capsules	Rhein Gold	2309-5	\$333.00



Fittings

&

Valves



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

Itam	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.

Itam	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.



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316 stainless steel	Connection	SKU	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.

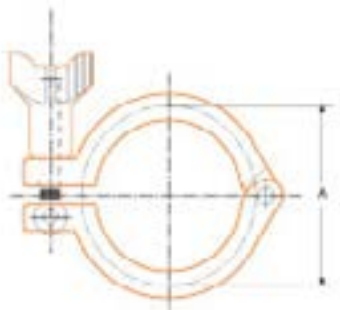
Item	Body Length	SKU	Price
Check Valves 1" TC	4"	94-10	\$110.00
Check Valves 1-1/2" TC	4"	94-15	\$120.00
Check Valves 2" TC	4"	94-20	\$150.00



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



Long Hose Adaptor

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



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



Elbow Hose Adaptor

Item	SKU	Price
3/8" Hose Barb x 1-1/2" TC	82-80	\$19.00
1/2" Hose Barb x 1-1/2" TC	82-81	\$19.00
3/4" Hose Barb x 1-1/2" TC	82-83	\$19.00
1" Hose Barb x 1-1/2" TC	8270-10	\$29.00
1-1/2" Hose Barb x 1-1/2" TC	8270-15	\$32.00
2" Hose Barb x 1-1/2" TC	8270-20	\$39.00



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

Cross TC

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



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Sight Glass TC

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 TC

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 TC

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 TC

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



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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

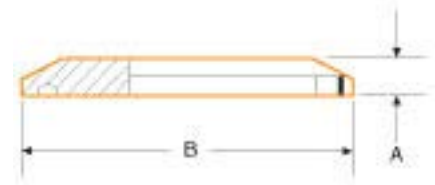
Item	SKU	Price
1" TC 45° Elbow	2KMP-10	\$37.00
1-1/2" TC 45° Elbow	2KMP-15	\$40.00
2" TC 45° Elbow	2KMP-20	\$45.00

Solid End Cap

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 1/2" & 3/4" End Cap	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"



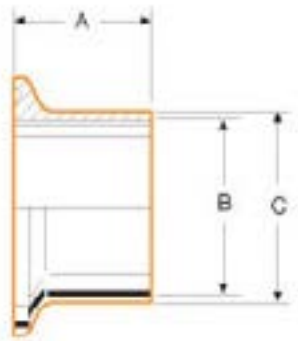
Long Weld Ferrule	SKU	Price
1" Ferrule	14AM7-10	\$6.75
1-1/2" Ferrule	14AM7-15	\$6.75
2" Ferrule	14AM7-20	\$7.75
2-1/2" Ferrule	14AM7-25	\$10.75
3" Ferrule	14AM7-30	\$14.75
4" Ferrule	14AM7-40	\$19.75
6" Ferrule	14AM7-60	\$25.75

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

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"

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.



Tank Welding 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



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



Concentric Reducer TC

304 stainless steel, center reducing, 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



Eccentric Reducer TC

304 stainless steel, off center reducing, 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
2-1/2" x 1-1/2" End Cap Reducer	1-3/8"	3116-6	\$29.00
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



Flange Adapters to TC

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



www.gwkent.com

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



Static Spray Ball

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)

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

info@ gwkent.com

1.800.333.4288

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.



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	\$79.00

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

Static Spray Ball with Supply pipe & 2”TC Tank Mounting 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.



Technical data:

- 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)
- Wetting coverage: 6 ft.

SKU #80-99A \$109.00

CIP Pipe Adaptor with Rotating Spray ball

Fit on IBC’s center of plastic cap)

SKU #2758 \$350.00



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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Screen Gasket

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

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.

1-1/2” Diffuser Aeration Gasket	40MPD-15	\$125.00
2” Diffuser Aeration Gasket	40MPD-20	\$145.00



Mesh Size	Micron	Inch
10 Mesh	2000	0.0787
16 Mesh	1190	0.0469
50 Mesh	297	0.0117
100 Mesh	149	0.0059

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

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
6” Silicone Clamp Gasket	40MPX-60	\$16.00

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

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” VitonClamp 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	\$7.50

Our sanitary kets meet 3-A and USDA sanitary standards, buna material is not recommended for strong acids and ozone.

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

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

EPDM Black Gasket

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

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

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

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 mm 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

Manifold

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

Item	Pipe Connection	Manifold port	Total Length	SKU	Price
3 port x 1.5” Manifold	1.5” TC	1.5” TC	16”	3201	\$145.00
5 port x 1.5 Manifold	1.5” TC	1.5” TC	20”	3200	\$165.00
5 port x 2” Manifold	2.0” TC	1.5” TC	20”	3200-2	\$195.00
5 port x 3” Manifold	3..0” TC	1.5” TC	20”	3200-3	\$245.00
Instrument Manifold	1.5” TC	1.5” TC	7”	3201-99	\$99.00



Bimetal Tank Therometer

Bimetal thermometer in stainless steel for tank thermometer well. Superior quality and accuracy with calibrate reset screw.

- 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



Tank Thermometer Well

- Sanitary 304 stainless steel thermo-well, probe opening 8 mm.
- 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

- 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 Level Sight Gauge Valve

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



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



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 |



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



Pneumatic Plug 1/2” x TC adaptor

For pneumatic quick disconnect with plug to tri-clamp connection, material 304 stainless steel.
SKU #85-03 \$19.00

Pneumatic Plug 1/4” stainless steel

For pneumatic quick disconnect, mates to coupler/socket 1/4” in 304 stainless steel. Connection is 1/4” NPT.

- | | | |
|-------------|----------------------------|--------|
| SKU #85-04B | Pneumatic Plug 1/4” Male | \$7.50 |
| SKU #85-04C | Pneumatic Plug 1/4” Female | \$8.50 |



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



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" Round Manhole Cover	4"	80-351	\$139.00
16" Round Manhole Cover	4"	80-352	\$195.00
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
18"Manhole with 4" View Sight Glass	4"	80-357	\$259.00

304 stainless steel	Neck Ring Ht.	SKU	Price
8" Glass Manhold Cover	3.5"	80-361	\$80-395
12" Glass Manhole Cover	3.5	80-361	\$475.00
18" Glass Manhole Cover	3.5"	80-359	\$589.00
20" Glass Manhole Cover	3.5'	80-358	\$689.00

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	\$329.00
18" Round Pressure Manhole	60 psi	4"	80-603	\$369.00
20" Round Pressure Manhole	60 psi	4"	80-604	\$489.00
18" Pressure Manhole with 6" View Sight glass	60 psi	4"	80-701	\$395.00

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

Manway Doors

Premium stainless steel tank manway doors. Includes door seal and neck ring for welding, sold as complete door assembly for tank fabrication. Material in 304L stainless steel.

13" x 17" Square Manway Doors

- 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 \$395.00

16" x 21" Square Upright Manway Doors

- 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



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



Square Side Manway Door 12" x 16.5"

- 304 stainless steel
- Door opening 12" x 16.5", opens outward with single bar and stainless steel locking handle
- Door thickness 14 gauge (2 mm), welding neck ring 2"
- Maximum pressure 7 psi

SKU #80-48 \$450.00



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



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



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	\$369.00
Oval Side Manway 17"x 21"	17" x 21"	3.9" Height	45 psi	80-502	\$479.00

Shadowless Oval Side ManwaDoor

- 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 \$495.00



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



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

Needle Valve 1/4" NPT

- 316 stainless steel

SKU #1012 \$49.00



Instrument Check Valve

- 316 stainless steel precision instrument check valve
- 1/4" male NPT connection for liquid or gas application.
- Measurement 5/8" x length 2"

SKU #989-14 \$69.00

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

How to determine TC 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 by 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

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Volume Conversion

1 mL = 0.035 fl. oz.

1 fl. oz. = 30 mL

1 L. = 1000 mL

1 L. = 0.2642 gal.

1 gal. = 3 785 mL

1 hL = 100 L.

1 hL = 26.4 gal.

Mass Conversion

1 kg. = 1000 g.

1 kg = 2.2 lb.

1 g. = 1000 mg.

1 metric ton = 1000 kg.

1 US ton = 2000 lb.

1 US ton = 907 kg,

Other Conversion

1 ppm. = 1 mg / L.

1 brix = 1% sugar (wt./vol)

1 lb./1000 gal = 454 g/1000 gal.

1 kg / hL = 1000 g./hL.



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

NPT Check Valve



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

Item	SKU	Price
1/2" Check l 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 industrial 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

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



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
1/4" Tee NPT	107-14	\$5.95
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 elbow one end 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



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 Welding Nipple

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



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 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

Pex Hose Barb - Brass



Item	SKU	Price
Pex 1/2" Hose Barb x NPT 1/2" female	789-51	5.00
Pex 3/4" Hose Barb x NPT 3/4" female	789-52	\$5.00
Pex 1" Hose Barb x NPT 1" female	789.53	\$8.00
Pex 1/2" Hose Barb x NPT 1/2" male	789-61	\$5.00
Pex 3/4" Hose Barb x NPT 3/4" male	789-62	\$5.00
Pex 1" Hose Barb x NPT 1" male	789-63	\$6.00

Sanitary Pipe Spool

Pre-fabricated sanitary pipe spool in 304 stainless with tri-clamp ferrule sanitary welded on 2 end for quick easy connection.



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 only. Cutting upon request with cutting charge applied. Please email quote, price changes based on commodity pricing and volume.



- 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.



Butt Weld Valves & Fittings



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

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

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

Sanitary DIN 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	\$9.50
DIN 20 mm Ferrule Liner	DIN6-2	\$9.50
DIN 25 mm Ferrule Liner	DIN6-3	\$9.50
DIN 32 mm Ferrule Liner	DIN6-4	\$9.50
DIN 40 mm Ferrule Liner	DIN6-15	\$12.50
DIN 50 mm Ferrule Liner	DIN6-20	\$14.50
DIN 65 mm Ferrule Liner	DIN6-5	\$24.00

DIN Male Ferrule

Item	SKU	Price
DIN 15 mm Male Ferrule	DIN5-1	\$12.50
DIN 20 mm Male Ferrule	DIN5-2	\$12.50
DIN 25 mm Male Ferrule	DIN5-3	\$12.50
DIN 32 mm Male Ferrule	DIN5-4	\$14.50
DIN 40 mm Male Ferrule	DIN5-15	\$16.50
DIN 50 mm Male Ferrule	DIN5-20	\$18.50
DIN 65 mm Male Ferrule	DIN5-5	\$21.50

DIN Butterfly Valves

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

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

304 stainless steel	Body Length	Pressure Rating	Connection	SKU	Price
DIN 32 mm Butterfly Valves	3"	140 psi	32 mm male	919-32	\$89.00
DIN 40 mm Butterfly Valves	3"	140 psi	40 mm male	919-40	\$95.00
DIN 50 mm Butterfly Valves	3-1/4"	140 psi	50 mm male	919-50	\$119.00

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 Nut

Item	SKU	Price
DIN Nut 15 mm	DIN7-1	\$12.50
DIN Nut 20 mm	DIN7-2	\$12.50
DIN Nut 25 mm	DIN7-3	\$12.50
DIN Nut 32 mm	DIN7-4	\$15.50
DIN Nut 40 mm	DIN7-15	\$19.50
DIN Nut 50 mm	DIN7-20	\$21.50
DIN Nut 65 mm	DIN7-5	\$29.00

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



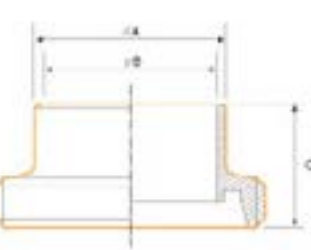
DIN Hook Wrench



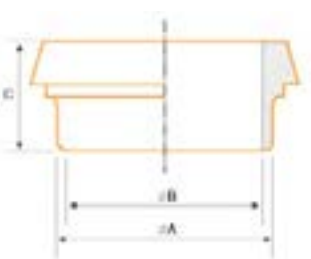
DIN Silicone Gasket



DIN Male Threaded Ferrule



DIN Female Liner



304 stainless steel	SKU	Price
DIN 15 liner x 1.0" tri-clamp Adaptor	84-61	\$59.00
DIN 20 liner x 1.0" tri-clamp Adaptor	84-60	\$59.00
DIN 25 liner x 1.0" tri-clamp Adaptor	84-62	\$59.00
DIN 32 liner x 1.5" tri-clamp Adaptor	84-63	\$59.00
DIN 40 liner x 1.5" tri-clamp Adaptor	84-64	\$59.00
DIN 50 mm liner x 2" tri-clamp Adaptor	84-65	\$79.00
DIN 65 liner x 2.5" tri-clamp Adaptor	84-66	\$89.00
DIN 80 liner x 3.0" tri-clamp Adaptor	84-67	\$99.00

Plated mild steel hook wrench for tighten DIN nut.

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



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 304 stainless steel, thickness 1.5 mm (16 gauge).
 - Rack is electro-polished after treatment of pickling and passivating process. Stainless steel surface is bright, & microscopically smooth. Better rust and corrosion protection.
 - Stacking height of 5 layers.

Item	Material	Stacking	Forklift Opening	Pallet Jackable	SKU	Price
Double Barrel Rack	304 stainless steel	Up to 5 high	7”	No	2991	\$195.00
Base Half Rack	304 stainless steel	No	N/A	Yes	2991-2	\$115.00



Stainless Steel Barrel Rack

- Fits 59 gallon standard Bordeaux, Burgundy and American barrels.
- Fork opening is 3” for space saving with double cross bar support.
 - Made of 304 stainless steel, thickness 1.5 mm (16 gauge).
 - Stacking height of 5 layers.

SKU #2995 \$175.00



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. Made in U.S.A.

Item	Material	Stacking	Pallet Jackable	SKU	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



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

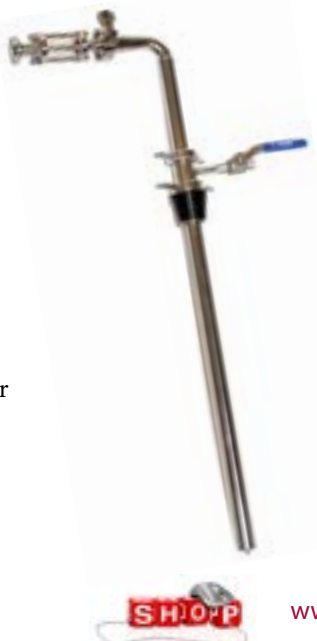


Bulldog Barrel Transfer Tube

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



Aaquablaster Barrel Cleaner

Stainless steel stand for barrel cleaning with a rotating jet spray barrel cleaning head, efficiently clean barrel.

SKU #2987 \$2,800.00



Automatic Barrel Washing & Steam Cleaning Machine



Automatic barrel cleaning machine for labor saving and 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 - \$27,950.00

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

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



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 - \$345.00



Silicone 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 - 99	\$4.95
	100 - 499	\$4.50
	500+	\$4.00



Item	SKU	Price
Solid Barrel Bung	2968	\$4.95
Barrel Bung with Hole	2968H	\$4.95
Barrel Fermentation Bung	2969	\$6.95

Silicone Barrel Fermentation Bung

Two piece designed, with open vent it can be used for fermentation to allow CO 2 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.

Oak Cask Adapter

For installation to oak cask or Puncheon, need a 35 mm hole on cask. Adapter has a 1-1/2” TC connection, so sample valve or ball valve can be installed to cask.

SKU #8061 \$69.00



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



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

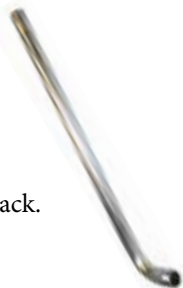
SKU #80-93 \$125.00



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



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 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 stacked on barrel rack, it’s easy to use and efficient.
SKU #2984 \$125.00



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

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 Curved Barrel Racking Tube \$75.00

SKU #2982 Straight Barrel Racking Tube \$60.00



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

Small Glass Thief

Glass thief straight, diameter 3/4” x 11-3/4” L.
Pack 10 per box.
SKU #2983-2 \$39.00 / case of 10.

Infusion / straining Bag

Fine mesh bag for straining, pressing or infusion. Sanitary food grade made of polyester, reusable and washable.



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

Oval Cask

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 tannin to compliment flavor and structure. Each cask is a show case of master cooper artisanal skill and craftsmanship.

Oval Cask	Head Height	Head Width	Length	Stave thickness	No. of Hoop	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

Round Cask

Round Cask	Diameter x Length	Stave thickness	No. of Hoop	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



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



Oak Cask

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

troncated Oak Cask	Head Height	Lower Dia.	Top Dia.	Stave thickness	No. of Hoop	SKU	Price
528 gallon (2000 L.)	56”	66”	59”	60 mm	4	2937-20	\$10,950.00
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

Item	Season	Wood	Toasting	SKU	Price
Bordeaux Export 225L French Oak Barrel	24 month	French Oak	Medium	2931	\$895.00
Hungarian Oak Bordeaux Export 225 L. Barrel	24 month	Hugarian	Medium	2935	\$750.00
American Oak Bordeaux Barrel 225 L.	24 month	American Oak	Medium	2960	\$549.00

Our oak products allow winemaker to add oak flavor and character from a wide variety of oak and toast levels to wine. We offer pre-mium 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 wine prior to transfer to tank.



Oak Chips Recommended dosage is 2 to 4 pound per 1000 gallon of wine.

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, carmel & smooth	50 lb. bag	4547-2	\$75.00
American Oak Chips	Heavy Toast	Carmel, smokiness & rich	50 lb. bag	4547-3	\$75.00



Oak cube

Item	Toasting	Flavor	Packaging	SKU	Price
French Oak Cube	Medium	Smooth & subtle vanilla	50 lb. bag	4547-4	\$550.00
American Oak Cubes	Medium	Vanilla, carmel & smooth	50 lb. bag	4547-5	\$375.00
American Whiskey Oak Bubes	Charred	Carmel, smokiness & rich	50 lb. bag	4547-6	\$395.00



Granular Oak Powder

For fast flavor extraction, granular oak powder is recommended, dosage is 1 to 2 pound per 1000 gallon of wine.

Item	Toasting	Flavor	Packaging	SKU	Price
American Oak Powder	Light	Smooth & rich mouth feel	50 lb. bag	4549-1	\$95.00
American Oak Powder	Medium	Vanilla, carmel & smooth	50 lb. bag	4549-2	\$95.00
American Oak Powder	Heavy Toast	Carmel, smokiness & rich	50 lb. bag	4549-3	\$95.00

Oak BarrelSticks



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



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. Medium toast with 24 month air seasoned French oak. Each set is sufficient for about 100 gallons of wine.

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

15.5 gallon Barrel Topping Keg



Brand new stainless steel kegs, capacity 15.5 gallons with 4” TC ferrule opening for easy filling and cleaning. Equipped with 1/2” NPT liquid outlet and 1/4” NPT gas inlet connection. Equipped pressure relief valve and a 1-1/2” bottom/side clean out port. Flow rate is 2 to 3 gallons per minute at 20 psi. Keg can also be used for storage, dispensing, fermentation and carbonation set up. Barrel topping gun, hoses and gas set up is not included.
SKU #2530 \$395.00



5.16 gallon Barrel Topping Keg or Wine Dispensing



Brand new stainless steel kegs 5.16 gallons capacity with 2” TC ferrule opening for easy filling and cleaning. Equipped with 1/2” NPT liquid outlet, 1/4” NPT gas inlet connection, & pressure relief valve. Flow rate is 2 to 3 gallons per minute at 20 psi. Keg can also be used for storage, fermentation and carbonation set up. Barrel topping gun, hoses and gas set up is not included.
SKU #2522 \$295.00



15.5 gallon Cellar Keg with 2” TC Top

Brand new stainless steel kegs, capacity 15.5 gallons with 2” TC ferrule welded on top of keg. Designed for small lot storage. Fitting, tri-clamp and gasket is not included, please purchase them separately.
SKU #2520 \$169.00



5.16 gallon Cellar Keg with 2” TC Top

Brand new stainless steel kegs, capacity 5.16 gallons with 2” TC ferrule welded on top. Designed for small lot storage and processing. Fitting, tri-clamp and gasket is not included, please purchase them separately.
SKU #2524 \$149.00



15.5 gallon Cellar Keg with 4” TC Top

Brand new stainless steel kegs, capacity 15.5 gallons with 4” TC ferrule welded on top and 1-1/2” ferrule welded 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



1/2 Barrel Sankey Beer Kegs

Brand new keg 15.5 gallon with Micromatic Sankey tapping spear.
SKU #2525 1 - 95 \$115.00
95 - 191 \$110.00
192+ \$105.00

1/6 bbl. Sankey Beer Kegs

Brand new keg 5.16 gallon with Sankey tapping spear.
SKU #2526 1 - 101 \$82.00
100- 199 \$77.00
200+ \$73.00

Keg Filling Station

Keg filler with manifold, sight glass, sanitary pressure gauge, elbow, hose and fittings mounted 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	\$2,150.00
SKU #3211	3 port keg filling station with 3 proline keg filler	\$1,550.00



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	\$269.00
SKU #5923	Replacement FOB	\$149.00



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 \$119.00



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	\$39.95
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Beer Line Shutoff Valve

Stainless steel ball valve with beer nut connection for shutoff.

SKU #2515	Beer Line Ball Valve	\$25.50
SKU #2563	Straight Beer Line Ball Valve	\$25.50



Beer Nut Adaptor with 1-1/2” TC

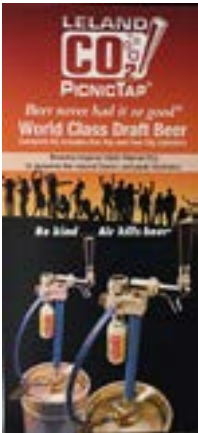
For connecting serving tank to beer line. Tail piece is not included.

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



Picnic Pump with Regulator & Keg Coupler

Kit includes pump assembly, regulator, hose, keg couple and 2 CO 2 cartridges. Use with a disposable 74 gram gas cartridge, convenient for outdoor and event.

SKU #2565	Picnic Pump	\$209.00
SKU #2564	CO 2 Cartridges 74 g. (2 per box)	\$18.00 per pack
SKU #2564	Nitrogen Cartridges 18 g.	\$14.00 each
SKU #2564	Argon Cartridges 26 g. (2 per box)	\$21.50 per pack



High Rise Picnic Pump & Keg Coupler

Dispensing coupler with high rise rod and beer faucet with a 8” hand pump for keg party.

SKU #2509-4	CO 2 Cartridges 74 g. (2 per box)	\$79.00
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Bronco Party Pump

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

SKU #2549	\$39.00
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Stainless Steel Soda Keg with Ball Lock

AEB 5 gallon kegs with a lock down lid is convenient for cleaning & filling of wine, cider or cold brew coffee. 304 stainless steel keg with sanitary robotic welded seams. Keg is passivated and etched with pressure compliant warning. NSF approved. Diameter 8.5” x height 25”.

- Ball lock quick disconnect for liquid and gas
- Lid included with pressure relief pull tab.

SKU#2550-11	5 gallon soda keg	\$89.00
SKU#2550-12	Lid with carbonation stone	\$26.95
SKU#2550-20	CO 2 charge with Ball Lock QC	\$39.00
SKU#2510	CO2 Tank 5 lb. capacity (empty)	\$59.00



Ball Lock Quick Disconnect

Item	Barb	SKU	Price
Liquid Ball lock Quick Disconnect	3/8”	2528	\$4.95
Gas Ball lock quick Disconnect	1/4”	2527	\$3.95



Stainless Steel Wine Faucet

Stainless steel faucet with elegant design for wine or cider dispensing.

SKU #2516-5	\$79.00
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Stainless Steel Stout/Nitro Coffee Faucet

Stainless steel faucet for nitro-stout or nitro coffee. Tap handle is not included.

SKU #2516-9	\$95.00
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Beer Line Y

304 Stainless steel Y for beer line connection.

SKU #2513	\$25.00
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Stainless Steel Shanks



Stainless steel shank for draft line faucet that connect to keg dispensing line for wine, cider or cold brew coffee. Shank connects to faucet.

Stainless Steel Shank	SKU	Price
1-3/4” length	2507-1	\$16.00
3” length	2507-2	\$19.00
4” length	2507-3	\$22.00
5” length	2507-4	\$27.00

Stainless Steel Cooler Wall Coupling

Cooler Wall Coupling	SKU	Price
3” length x 3/8” bored hole	2507-9	\$21.50
4” length x 3/8” bored hole	2507-8	\$22.50



Stainless Steel Coil for Cooler, Jockey Box
Stainless steel coil for jockey box set up. Mounting ferrule, grommet and nut included for quick connection to stainless steel shank and cooler wall coupling.

Stainless Steel Coil	SKU	Price
50 ft. length	2509-1	\$79.00
120 ft. length	2509-5	\$159.00

Custom cooler for wine & cider dispensing..... please contact us.



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



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

Ingredients

Fusion Maurivin Wine Yeast

Selected for its ability to increase aroma and palate complexity, with rapid fermentation rate at 64 - 86° F. Fusion strain is considered a low to moderate nitrogen consumer with alcohol tolerance in the range of 15% - 16%. Good flocculation strain and low foaming. Fusion has the capacity to release varietal white aromatics including peach, nectarine, lemon zest and subtle floral aromas. Recommended for Chardonnay, Semillon, Chenin Blanc, Cabernet, Merlot and Malbec.

SKU #304-12 \$ 29.50/ 500 gram pouches

AWRI 796 Maurivin Wine Yeast

Saccharomyces cerevisiae strain with medium vigor, used extensively for its ability to allow the full expression of varietal fruit and good palate structure. Popular for varietal red wines such as Zinfandel, Merlot, Cabernet and Shiraz and varietal white wines such as Chardonnay and Riesling.

SKU #304-2 \$25.50 / 500 gram pouches

AWRI 350 Maurivin Wine Yeast

Saccharomyces cerevisiae strain, a medium vigour, flocculating yeast which produces significant amount of ester and high alcohol giving a distinct floral/aromatic character to young, fresh reds and whites, such as Gamay, Gewurztraminer and Muscat.

SKU #304-3 \$25.50 / 500 gram pouches

Maurivin 1503 Wine Yeast

Saccharomyces cerevisiae strain, selected for its contribution to mouth-feel, with the palate being intense, round and full. Similar fermentation characteristics to Maurivin PDM, allowing the varietal fruit characters to be displayed. Alcohol tolerance is good in the range of 15%.

SKU #304-7 \$29.50 / 500 gram pouches

BP25 Maurivin Wine Yeast

BP725 is ideally suited for varietal red winemaking. With its ability to enhance color and possessing a high alcohol tolerance. BP725 is often used for fruit driven red varieties such as Shiraz, Zinfandel, Cabernet Sauvignon & Merlot.

SKU #304-8 \$25.50/ 500 gram pouches

EP2 Maurivin Wine Yeast

Saccharomyces cerevisiae strain origin from Epernay, France. EP2 is an ester producing yeast, typically floral and perfume in aroma. Recommended for fruity, sweet wine styles containing a high level of residual sugar. Alcohol tolerance up to 13 - 14%.

SKU #304-16 \$19.50 / 500 gram pouches



Premieur Maurivin Wine Yeast

Saccharomyces cerevisiae strain which has been selected for its suitability in the production of young, crisp fresh wine. It enables the production of a significant amount of esters and higher alcohols that denotes a fruity character to the white wine, and its capacity to consume high quantity of malic acid during fermentation.

SKU#304-4 \$25.50 / 500 gram pouches

Sauvignon L3 Maurivin Wine Yeast

Saccharomyces cerevisiae strain, isolated from a vineyard in Bordeaux, France. It is a medium vigour yeast that allows full expression of Sauvignon Blanc varietal character. Popular also for Riesling production.

SKU #304-5 \$25.50 / 500 gram pouches

Elegance Maurivin Wine Yeast

Saccharomyces cerevisiae strain, with ability to impart fragrant, perfume-like aromas to the wine. Elegance also has ability to ferment clarified juices at cooler temperatures and lift varietal aroma. Elegance has become a popular strain for a range of fruit-driven white varieties such as Riesling, Sauvignon Blanc, Chardonnay and Semillon.

SKU #304-6 \$25.50 / 500 gram pouches

R2 Maurivin Wine Yeast

Saccharomyces cerevisiae (historically bayanus) strain isolated by Petaluma Pty Ltd. A vigorous fermenter which performs well at low temperature and contributes high levels of floral and fruity esters. Suitable for the production of aromatic white wines such as Chardonnay, Chenin Blanc, Semillon, Sauvignon Blanc and Riesling.

SKU #304-14 \$25.50/ 500 gram pouches

Unity Maurivin Wine Yeast

A blend of two indigenous yeast strains isolated from Chardonnay fermentation in Burgundy, France, designed to enhance the aroma and flavor of premium Chardonnay. Good alcohol tolerance of 14 - 15%.

SKU #304-17 \$25.50 / 500 gram pouches

B Maurivin Wine Yeast

Maurivin B has the capacity to consume up to 56% of malic acid during primary fermentation. Maurivin B has ability to enhance varietal aroma flavor and color and is recommended for red varieties such as Syrah, Cabernet Sauvignon, Zinfandel and Pinot Noir. The optimum fermentation temperature at 77° - 86° F. Alcohol tolerance of 14% - 15%.

SKU #304-13 \$ 25.50/ 500 gram pouches

PDM Maurivin Wine Yeast

Saccharomyces cerevisiae strain, selected as suitable for secondary fermentation in sparkling wine production because of its good alcohol and low pH tolerance. It is a general-purpose strain, recommended for white and red wine production, and to restart stuck fermentation.

SKU #304-1 \$19.50/ 500 gram pouches

Cru Blanc Maurivin Wine Yeast

Noted for its ability to enhance mouth-feel, particularly for barrel fermented Chardonnay matured on yeast lees. Cru-Blanc is a relatively high producer of glycerol. This strain can also contribute fruity aromatics during fermentation. Malolactic fermentation by lactic acid bacteria proceeds well following alcoholic fermentation by this yeast

SKU #304-15 \$25.50 / 500 gram pouches



Lalvin C Wine Yeast

Produces very clean fruity styles of white wine and cider. Lalvin C can also naturally degrade up to 45% of malic acid. Yeast for use in hybrid and cool climate varieties.

SKU #3023-5 \$35.00 / 500 gram pouches

Fermivin Champion Wine Yeast

A fructophilic yeast to prevent and restart stuck fermentation. High alcohol tolerance to 17%. As a preventative measure, it can be added towards the end of high brix fermentation.

SKU #3023-6 \$35.00 / 500 gram pouches

Lalvin PDM Wine Yeast

A favorite yeast strain for Normandy cider producers. Short lag phase, rapid and steady fermentation kinetics. Preserves the characteristic of the fruit.

SKU #3023-7 \$30.00 / 500 gram pouches

Lalvin EC1118 (Prise de Mousse) Wine Yeast

For sparkling wine, last harvest, ice wine or fruit wine production. Selected by the Institut Oenologique de Champagne (IOC) in Epernay, France. Reference strain for sparkling wine. Steady low foamer, and is popular for barrel fermentations. It is an excellent choice for secondary fermentations of sparkling wine. Ferments well at low temperatures and flocculates with compact lees. Under low nutrient conditions Lalvin EC1118 can produce high amounts of SO₂ (up to 50 ppm) and, as a result, may inhibit malolactic fermentation.

SKU #3023-1 \$37.00 / 500 gram pouches

Platinum Maurivin Wine Yeast

A new "Next Generation" non-GMO strain that does not produce any detectable hydrogen sulfide and enhances varietal aromas/flavors. Platinum is ideal for fermenting at low temperatures of 53° - 65°F. Platinum utilizes 16.5 gram of sugar to produce 1% alcohol, tolerance in range of 15% - 16% with killer activity. Platinum is recommended for fruit-driven red wines.

SKU #304-9 \$ 33.50/ 500 gram pouches

Distinction Maurivin Win Yeast

A new "Next Generation" non-GMO strain that does not produce any detectable hydrogen sulfide and enhances varietal aromas/flavors. Distinction exhibits a short lag time and rapid fermentation rate at 68 - 86 F. Alcohol tolerance of 15% - 16% with killer activity.

SKU #304-11 \$ 33.50/ 500 gram pouches



Lalvin 71B Wine Yeast

For Pinot Gris, Riesling, Grenache, rose, Red French Hybrids and fruit wine production. Isolated and selected by the INRA in Narbonne, France. Known for fermenting fruity rosé wines and semi-sweet whites because it produces long-lived aromas that result from the synthesis of relatively stable esters and higher alcohols. Softens high acid musts by partially metabolizing malic acid. Sensitive to competitive factors and may have difficulty competing with wild flora. Careful rehydration with Go-Ferm or Go-Ferm Protect and early inoculation will help Lalvin 71B® dominate in competitive conditions.

SKU #3023-2 \$42.00 / 500 gram pouches

Lalvin K1 V1116 Wine Yeast

To restart stuck fermentation, sauvignon blanc, white French Hybrids or fruit wine production. Selected by the ICV in Montpellier, France, among numerous killer strains isolated and studied by Pierre Barre at INRA. When fermented at low temperatures (16°C/61°F) with proper nutrition, it is a strong floral ester producer, especially in neutral or high-yield varieties. Among the high ester production strains, Lalvin V1116 is the most tolerant of difficult fermentation conditions such as extreme temperatures, high alcohol (18% v/v) and low turbidity. Ferments well under stressed conditions and is useful in restarting stuck fermentations, especially when relative fructose levels remain high.

SKU #3023-4 \$46.50.00 / 500 gram pouches

Red Star Cote des Blanc Wine Yeast

A Davis 750 strain from Geisenheim, Germany. Relatively slow fermenter, low foaming. This yeast requires nutrient addition for most chardonnay fermentations, produces fine, fruity aromas. Ferments best between 64 - 86° F.

SKU #3050 \$19.50 / 500 gram pouches



Red Star Premier Rouge Wine Yeast

A Davis 904 strain. It is a strong, even fermenter that produces full bodied reds. This yeast encourages the development of varietal fruit flavors, balanced by complex aromas, especially for Cabernet. This yeast is reported to give character to less robust red grapes or those picked before optimum development. Ferments best between 64 - 86° F.

SKU #3054 \$29.500 / 500 gram pouches

VR-44 Wine Yeast

A prise de mousse strain, was selected in Champagne region. Naturally resistant to difficult fermentation, a perfect yeast for sparkling wine & secondary fermentation. Alcohol tolerance 16%. Ferments best between 10 - 40° C.

SKU #3052 \$29.00 / 500 gram pouches

BCS-103 Champagne Wine Yeast

Strong fermentation yeast strain with a very high alcohol tolerance >16% and low volatile acidity and acetaldehyde production. Good resistance to low temperature fermentation 14° C. This yeast strain confer body and roundness thanks to its high glycerol production and promotes the development of fresh and clean aroma. Excellent for champagne or white wine production.

SKU #3053 \$29.00 / 500 gram pouches

ML Cultures



Viniflora Oeno ML Cultures

For Red wine ML application. Chr. Hansen direct inoculation cultures, no starter preparation is needed. Pack in 15 grams with instructions for up to 660 gallons of wine.

SKU #3037 \$125.00

Viniflora CH-35 ML Cultures

For White & Rose wine ML application. Chr. Hansen direct inoculation cultrues, no starter preparation is needed. Pack in 15 grams with instructions for up to 660 gallons of wine.

SKU #3038 \$145.00



Go-Ferm

Go-ferm provides micronutrients in the non-stressful environment of the yeast rehydration water instead of the traditional method of adding micronutrients to the must. During rehydration, the yeast acts like a sponge, soaking up Go-ferm's bioavailable nutrients. By making key minerals and vitamins available to the selected yeast at the critical beginning of its stressful task, the yeasts viability increases and fermentation finish stronger. The use of Go-ferm results in significantly better overall health of yeast cells through out the fermentation, affecting fermentation kinetics and resulting in cleaner aromatic profile.

Use 2.4 lb. per 1000 gallon of go-ferm when rehydrating yeast.

SKU #4533 \$269.00 / 10 kg. (22 lb.) pack.

Laffort Malostart

A mixture of nutrients for lactic acid bacteria and wine detoxification agents, facilitating malolactic fermentation start-up, restart and accelerating fermentation kinetics. Malostart can be used on all types of wine: white, rose and red.

Oenological use:

- Property: biological activator of the malolactic fermentation.
- Dosage: 20 g/hL (200 ppm).
- Preparation: Dissolve in 10 times its weight in water and add mixture 24 hours before inoculating with bacteria.

SKU #3034 \$75.00 / 500 gram



Fermaid K Fermentation Nutrient

Complete yeast nutrient by Lallemand. 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 gallons of wine, timing at 1/3 sugar depletion. Packed in 10 Kg. (22 lb.) box, price is per box.

SKU #4538 \$198.00 / 10 kg.

Fermaid O Organic Fermentation Nutrient

Recommended dosage is 2 lb. per 1000 gallons of wine, timing at 1/3 sugar depletion. Packed in 2.5 Kg. (5.5 lb.) box, price is per box.

SKU #4528 \$125.00 / 2.5 kg. (5.5 lb.)

Laffort Superstart / DynaStart

A yeast nutrient for use in active dry yeast rehydration water for a strong fermentation finish. DYNASTART® improves viability and the general metabolism of the yeast, and thus:

- Significantly increases resistance to ethanol.
- Avoids excessive production of volatile acidity.
- Improves aroma release optimisation / aroma production by the yeast.
- Reinforces starter culture efficiency.

SKU #4594 \$44.00 / 1 kg. (2.2 lb. bag)



Laffort Bioactiv Fermentation Nutrient

A formulation of survival factors, to be used when fermentation slows down or becomes stuck. Bioactiv fermentation aids provides physical support effect for the yeasts and detoxification of the must and the wine. Bioactiv also has a positive effect on malo-lactic fermentation. Packed in 1 kg. (2.2 lb.) bag.

Dosage: In the event of slow fermentation and low turbidity: 30 g/hL. Treatment for a stuck fermentation: 60 g/hL.

SKU #4514 \$34.00 / 2.2 lb. bag

Laffort Thiazote Fermentation Nutrient

In the event of an assimilable nitrogen deficiency in the must, it is essential to add nitrogen in order to ensure yeast multiplication and efficient alcoholic fermentation. It is advisable to correct the assimilable nitrogen content to between 180 and 220 mg/L. 10 g/hL of Thiazote produces on average of 21 mg/L of assimilable nitrogen. Thiazote is made of ammonium sulfate and thiamine.

Dosage: 10 to 50 g/hL. Dosage should be based on the initial nitrogen content in the must, the potential alcohol degree and the turbidity. Packed in 1 kg. (2.2 lb.) bag.

SKU #4516 \$10.00 / 2.2 lb. bag

Laffort Tanin VR Supra

Adding at the start of fermentation before indigenous tannins are available, increases color stability. The ongoing polymerization can improve palate structure and significantly reduce or eliminate vegetal/herbaceous character. In conjunction with enzymes it is best to add the enzymes at the crusher and wait 6 - 8 hours before adding the tannin. Recommended dosage is 2 to 4 lb. per 1000 gallon. Pack in 2.2 lb. (1 kg.) bag. SKU #4503 \$42.00 / 1 kg. (2.2 lb.)



Laffort Tan’Cor Tannins

Tan’Cor is a blend of grape and oak tannins. Specifically developed for use during tank and barrel aging for color stabilization and protection against oxidation. Tan’Cor is less harsh and integrates into the finished wine, it helps reduce the need for fining at the end of maturation. Recommended dosage is 1 to 2.4 lb. per 1000 gallon. Pack in 2.2 lb. bag SKU #4551 \$69.00 / 1 kg. (2.2 lb.)

Laffort Tan’Cor Grand Cru Tannin

For use in aging high-quality red wines. Tan’Cor Grand Cru is a blend of highly polymerized and refined proanthocyanidic (grape) and ellagic (oak) tannins. Specifically developed for use during tank and barrel aging to increase structure, stabilize color and protect against oxidation. Tan’Cor Grand Cru enhances middle palate with the accrual of long-chain polyphenols, it also helps to reduce the need for fining at the end of maturation. Recommended dosage 1 - 2.4 lb. per 1000 gallon. Pack in 2.2 lb. bag. SKU #4552 \$195.00 / 1 kg. (2.2 lb.)

Laffort Tanin Galalcool

Tannin for the protection and treatment of white must and wine. Tanin galalcool is derived from the gall nut of oak trees. Specifically developed for addition to white wine because it is colorless. Tanin galalcool inhibits laccase activity and is recommended for use on grapes that have Botrytis, other molds or rot. This tannin also prevents oxidation and protects against browning, it also adds structure and eliminates excess protein. Pack in 2.2 lb. bag. SKU #4553 \$59.00 / 1 kg. (2.2 lb.)



Laffort Quertanin

products are a high quality and complex oak tannins preparations, depending of the level of extraction.

- ✓ Enhance the wine mouthfeel and palate length.
- ✓ Protect wine with regards to oxidation.
- ✓ Emphasize the aromatic profile while developing the overall complexity of the wine.

QUERTANIN® SWEET is a preparation of high quality toasted oak tannin. Enhances wine mouthfeel, roundness and palate length. Quertanin Sweet help developing the perception of sweetness with notes of Coconut and Vanilla Dosage: 2 to 20 g/hL (20 to 200 ppm) Add quertanin sweet in 10% water solution or directly into the wine while stirring strongly. Then add to the mass of the wine during pumping-over or transfer in order to achieve optimum homogeneity. It is recommended to add Quertanin at least two weeks before bottling. SKU #4572 \$295.00 / 1 kg. bag (2.2 lb.)

QUERTANIN® is a preparation of high quality toasted oak tannin. Enhances wine mouthfeel, roundness and palate length. Quertanin Intense help amplifies mouthfeel together with toasting characteristics. SKU #4571 \$230.00 / 1 kg. bag (2.2 lb.)

BIOLEES® has been developed as a result of understanding the natural phenomena associated with maturing wine on lees. Biolees softens harsh and aggressive tannins and polyphenolics in wine as well as gives a sweetness and increased mouthfeel to the wine. Biolees contains high quality yeast hulls that will gently “fine” red wines in a similar way as egg whites. Dosage: 20 to 70 g/hL. Mix Biolees in 5 to 10 times its volume in water, homogenize by a pump over for tanks and stirring Biolees in barrels.

Biolees	SKU #4593	\$85.00 / 1 kg. (2.2 lb.) bag
Autolees Biolees	SKU #4576	\$195.00 / 1 kg. (2.2 lb.) bag.



Laffort Oenosteryl Effervescent Tablets

Tablet, made from potassium metabisulphite and potassium carbonate. The effervescent effect facilitates good mixing of the SO2 in barrels or in tanks, user friendly and cost effective. Packaged 48 tablets per box.

Applications:

- The effervescent action of the bicarbonate provides mixing in barrel or small tanks while reducing time & labor needed for stirring.
- Safety equipment not required due to solid odorless tablet form, promoting greater workplace safety.
- Use in Macrobin or picking bins to inhibit oxidation of grapes and juice affected by botrytis, mold or to inhibit indigenous yeast.
- Used in tank before fermentation and directly into barrel after ML fermentation. Substitute for monthly sulphite barrel additions.

5 gram tablet	SKU #4504	\$40.00
2 gram tablet	SKU #4504-2	\$33.00



Laffort Argilact

ARGILACT: This is used to accelerate the settling of white must. Argilact is a food grade soluble casein & montmorillonite. Wines are fresher and its use eliminates the herbaceous characteristics sometimes found in wines made from mechanically harvested grapes. It is used during the fermentation of base-wines for sparkling wine production for stability and to eliminate polyphenols extracted from black grapes during pressing. Dosage :40 to 100 g/hL SKU #4589 \$25.00 / 1 kg. (2.2 lb.)

Laffort Gecoll Gelatin

Gelatins are obtained from the partial hydrolysis of the collagen contained in animal skins. They are used in the fining of red, white and Rosé wines, in order to clarify and stabilise the wine, and to improve their sensory qualities. SKU #4587 \$16.00 / 1 kg. (2.2 lb.)

Laffort Casei-Plus

CASEI PLUS: CASEI PLUS is a potassium caseinate obtained from fresh pasturised skimmed mild. CASEI PLUS is a clarifying agent for white wines. CASEI PLUS eliminates oxidized phenolic compounds and reduces iron levels. CASEI PLUS can be dissolved without any addition of potassium bicarbonate, hence CASEI PLUS does not increase the pH of the wine. CASEI PLUS generates a lower volume of lees than regular casein. CASEI PLUS has a higher casein content (about 20 - 25% more) than regular casein which affords higher activity. Dosage: 40 to 60 g/hL.

Oenological applications:

- In the case of oxidised wine (browning). CASEI PLUS decolors the wine, contributing the color refreshment white also refining gustatory characteristics.
- In the case of botrytised harvest, CASEI PLUS is recommended in the treatment of young white and rose wine (and red in certain cases) to decrease the oxidized character.
- A clarification agent which contributes to preparing wine for filtration.
- CASEI PLUS produces a decrease in the iron content in white wines.

SKU #4590 \$38.00 / 1 kg. (2.2 lb.)



Laffort Polyact

POLYLACT: A combination of PVPP and casein, used in preventive or curative treatments for oxidation. Its synergistic action avoids the indirect negative effects caused by large doses of PVPP or casein alone. Dosage: prevention: 15 to 30 g/hL - cure: 25 to 70 g/hL SKU #4592 \$45.00 / 1 kg. (2.2 lb.)

Laffort Egg Albumin

EGG ALBUMIN: A specific fining agent for Ultra-Premium wines destined for longer aging. Egg Albumin will refine the phenolic structure by removing the most aggressive tannins. Dosage 6-10 g/hL; 60-100 ppm SKU #4588 \$44.00 / 1 kg. (2.2 lb.)



SKU #4532 \$45.00 / 100 gram tin



SKU #4577 \$45.00 / 100 gram

SKU #4578 \$25.00 / 100 gram

SKU #4575 \$395.00 / 21 kg. pail

SKU#4509	1 kg. Winey	\$6.50
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SKU #4537 \$12.00 / 2.2 lb. bag

Catalog #4530 \$89.00 / 50 lb. bag

SKU #4531 \$119.00 / 50 lb. bag.

SKU #4535 \$20.00 / 2.2 lb. bag

SKU #4502 \$25.00 / 50 lb. bag.

SKU #4512 \$8.95 /2.2 . bag

SKU #4526 \$20.00

SKU #4520 44.00

SKU #4581 \$53.00 / 2.2 lb. bag.

SKU #5228 \$22.50 / 50 lb. bag

SKU #4584 \$49.00 / 11 lb. bag (5 kg.)

SKU #4583 \$39.00 / 11 lb. bag (5 kg.)

Sterox	SKU #4561	\$105.00 / 50 lb. bag
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SKU #2551 \$89.00

SKU #2552 \$7 9.00





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 (18,750 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.

- 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.

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.

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

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.

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

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Kreyer MCK 181/S

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 \$17,500.00



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
- Dimension 40" x 32" x 39", weight 350 lb.

1-phase SKU #307-90A \$9,995.00



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: R410A
- Water connection 1/2" with ball valve
- Dimension 40" x 32" x 26", weight 212 lb.

SKU #307-45 \$5,295.00

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.



- Insulation: thickness 1/2"
- Max. Temperature: + 200° F
- Hydrostatic rating: 200° F at 80 psi.

SKU #788-34 ID 3/4" x 100 ft. coil \$399.00

SKU #788-10 ID 1.0" x 100 ft. coil \$499.00

Johnson Controls A421 Tank Temperature Controller

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

- 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.

Johnson Control Model	Nema Type	Supply Voltage	Stage	SKU	Price
A421	NEMA 4	110 V.	1-stage	6031	\$109.00
A421	NEMA 4	24V	1-stage	6031-24	\$109.00
A421	NEMA 1	110 V.	1-stage	6034	\$79.00

Johnson Controls A421 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 include control of cooler and freezers.

- Temperature Range: - 30° to 220° F.
- 6 ft. extension cord with plug. Easy-to-read LCD display
- Easy to configure 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 \$99.00



Johnson Controls A19 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 and provide accurate temperature control outside the range of the on-board thermostat.

- 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 \$89.00



G.W. Kent Temperature Controller

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

- Microprocessor based temperature controller for tank cooling and heating control .
- 24 V. power supply
- New improved model with display of tank temperature and set value temperature
- Sanitary designed for beverage and food processing, water-tight and can withstand humidity and harsh environment
- New design with stainless hook and 12 ft. of cable and sensor, controller can be placed in an easy to reach area and simply place sensor in thermometer well
- Easy switch from C to F reading. Password protection for access

SKU #6039 \$129.00



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.



Ranco Model	Nema Type	Supply Voltage	Stage	SKU	Price
ETC-141000	NEMA 4	110 V.	1 stage	6037	\$139.00
ETC-241000	NEMA 4	110 V.	2 stage	6037-2	\$199.00
ETC-111000	NEMA 1	110 V.	1 stage	6035	\$79.00
ETC-112000	NEMA 1	24 V.	1 stage	6035-2	\$79.00

PID Temperature Control

Pre-wired temperature controller with probe, 1 SSR output, 1 relay alarm and 1 temerature sensor. It will also with with RTD sensor with SC setting to -11.4. Support reading with Centiigrade or Fahrenheit. Dual display with measured temperature and set temperature.

- Voltage AC 100V - 240 V.
- SKU #6032 \$95.00



2 Stage Temperature & Time Control

Pre-wired digital dual stage temperature controller with time controller, programmable that can control 6 periods of time with different temperatures based on its timer function. Controller for fermentation cooling and heating.

- Temperature Range: - 58° to 248° F.
- Operating Temp. Range: - 22° to 167° F.
- Voltage 120V / 240 V. input
- Output Current: Max. 10 A.
- Stages: 2 (for heating & cooling)
- Accuracy: +/- 1° F
- Sensor: NTC sensor in 6.5 ft. length.
- SKU #6030 \$59.00



Thermocouple Temperature Sensor with Connection Head

Thermocouple	Probe Length	Connection	Probe Diameter	SKU	Price
Type K	6"	1/2" NPT male	1/4"	2506-2	\$75.00
Type K	4"	1/2" NPT male	1/4"	2506-3	\$75.00
Type J	6"	1/2" NPT male	1/4"	2506-4	\$75.00
Type J	4"	1/2" NPT male	1/4"	2506-5	\$75.00
RTD Wire 50 ft.				2506-1	\$95.00

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. Pack in 8 oz. jar.

- NSF HI approved.
- Operating temperature range -55° - 205° C
- SKU #4569 \$47.00 / jar.



- Temperature Range: - 30° to 220° F.
- Operating Temp. Range: - 20° to 140° F.
- Resistive 15 A / 8A
- Differential 1° to 30° F.

Solenoid Valves



- Large flow, normally closed, 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.
 - Normal 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	\$119.00
Solenoid Valves 3/4" NPT stainless	110V AC	6038-8A	\$85.00
Solenoid Valves 1" NPT stainless	110V AC	6038-9A	\$119.00

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 Valves

Steam Solenoid Valve	Power	SKU	Price
Steam Solenoid Valves 1" NPT stainless	110V DC	6035-10	\$170.00
Steam Solenoid Valves 3/4" NPT stainless	110V AC	6035-15	\$240.00
Steam Solenoid Valves 1" NPT stainless	110V AC	6035-20	\$300.00

Power Supply 24 V. DC

- Output Current: 12.5A @24V DC
- Support up to 6 solenoid valve

SKU #6038A \$99.50



Digital Sanitary Pressure Gauges

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

- 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	\$750.00
0 - 60 psi Digital Pressure Gauge	No	2726-2	\$750.00
0-30 psi Digital Pressure Gauge	Included	2726-5	\$845.00
0 - 60 psi Digital Pressure Gauge	Included	2726-6	\$845.00



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

Pressure Gauges

- General processing pressure gauges with stainless steel case
- 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

Heat Exchanger



Sanitary Heat Exchanger for beverage and dairy processing. Heat exchanger provides efficient heat transfer in compact footprint.

- 304 stainless steel, clip-on gasket material is EPDM
- Maximum pressure 10 bar
- Maximum temperature 250 F.
- Fixed bolted head, easy for inspection or CIP.

Heat Exchanger	Stage	SKU	Price
2 sq. meter	1	5451	\$1,675.00
6 sq. meter	1	5452	\$2,275.00
6 sq. meter	2	5455	\$2,995.00
9 sq. meter	2	5456	\$3,995.00

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.
- Required a check valve 1/4" NPT

Item	Carb. Stone	Total Length	Connection	SKU	Price
Pico carbonator 1/2" x 4"	Dia. 1/2" x 4" L.	5-7/8"	1.5" TC	85-56	\$99.00
Pico Carbonator 7/8" x 5"	Dia 7/8" x 5" L	6-3/4"	1.5" TC	85-59	\$109.00
Pico Carbonator 7/8" x 8"	Dia. 7/8" x 8" L.	9-5/8"	1.5" TC	85-57	\$119.00
Instrument Check Valve			1/4" NPT	989-14	\$69.00
Ball Check Valve F+M end	female /male		1/4" NPT	85-60	\$9.50
Ball Check Valve M+M	Male on 2 ends		1/4" NPT	85-61	\$9.50

Micro-Oxygenation Carbonation Stone Assembly

Sanitary designed for tank mounting, with built-in check valves and pipe extension. The most efficient system on the market. Submersing porous body diffuses CO2 gas 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. Diffusing stone is 316L stainless steel with 1" OD x 8" long and 2 micron porosity. 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 and a check valve.
- Tank connection is 1-1/2" TC.
- Gas connection is 1/4" NPT female.

Item	Carb. Stone	Total Length	Connection	SKU	Price
8" Carbonation Stone Assembly	Dia. 1" x 8" L.	18-1/2"	1.5" TC	85-50	\$345.00
12" Carbonation Stone Assembly	Dia. 1" x 12" L.	22-1/2"	1.5" TC	85-52	\$395.00
Replacement 8" stone	OD 1"	8"		85-54	\$145.00
Replacement 12" stone	OD 1"	12"		85-55	\$175.00
Replacement Seal Kit				85-50A	\$15.00

Inline Carbonation System

Heavy duty, sanitary built micro-oxygenation or carbonation system.

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





Electromagnetic Flow Meter

Extremely accurate and proven design electromagnetic flowmeter 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.

- 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	\$4,595.00

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 read- ing. Rater/Totalizer is included with all meters. A 50 mesh screen gasket is recommended with turbine flow meter for accuracy.

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,
- Maximum temperatue -100° to 225° F
- Material: Housing, rotor & shaft in 316 L. stainless steel.
- 3A approval rated, NEMA. 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	\$1,995.00

GPI Industrial Turbine Flow Meter

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



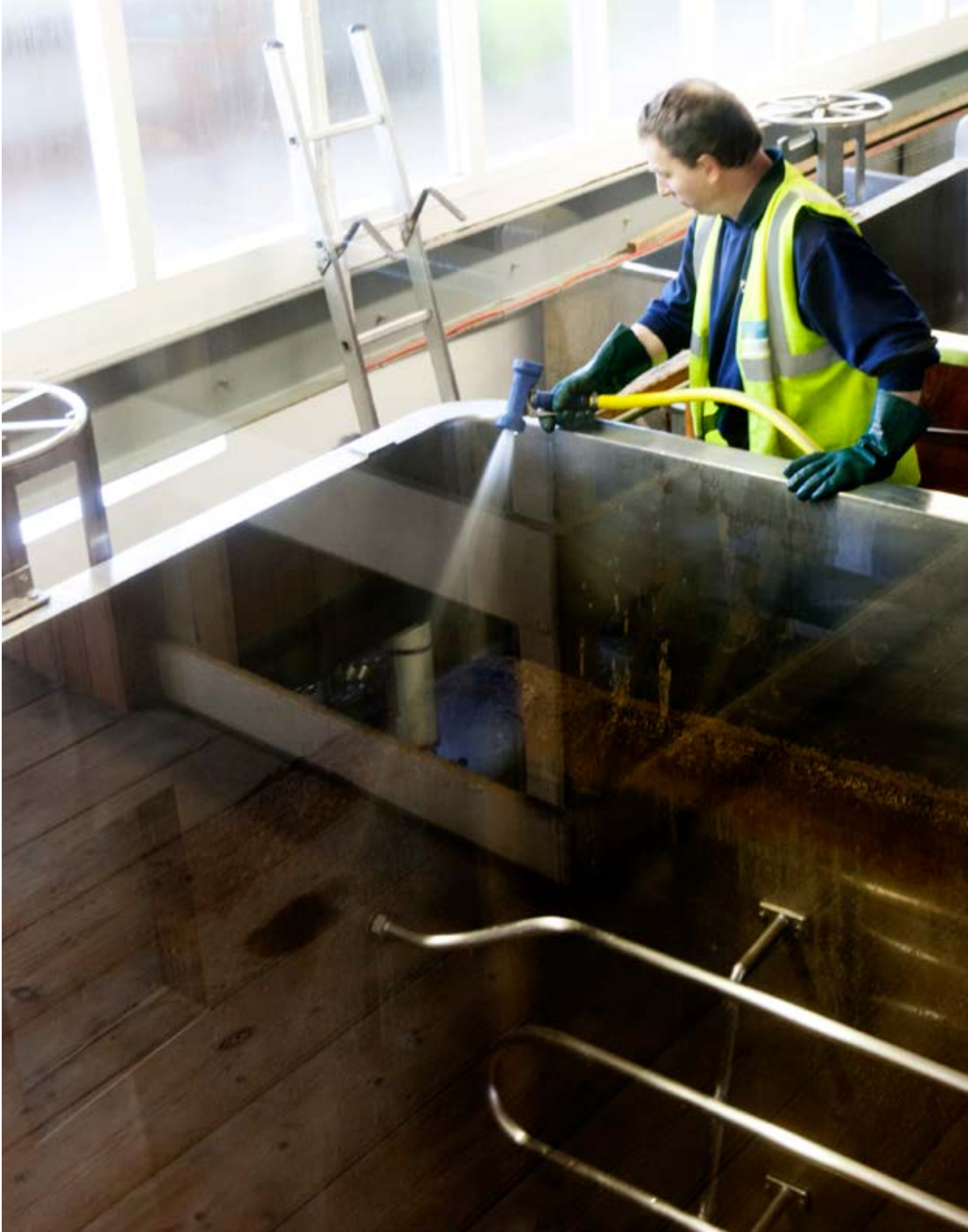
Item	Maximum Flow Rate	Turbine size	Connection	SKU	Price
GPI Industrial Flow Meter 1”	75 gpm	1”	1.5” TC	984-3	\$952.00
GPI Industrial Flow Meter 1-1/2”	150 gpm	1-1/2”	2” TC	984-4	\$1229.00
GPI Industrial Flow Meter 2:	300 gpm	2”	2.5” TC	984-5	\$1,562.00
Remote Mounting Kit for Display				984-15P	\$239.00

Econo Turbine Flow Meter

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



Item	Flow Rate	Turbin Size	Connection	SKU	Price
Econo Turbine Flow Meter 1”	0 - 50 gpm	1”	1.5” TC	985-8	\$895.00
Econo Turbine Flow meter 1-1/2”	15 - 180 gpm	1.5”	1.5” TC	985-9	\$995.00



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 \$6,995.00



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

Spray Drain Rinser

Spray nozzle with firm bristle brush designed for drain and small opening cleaning job. Compatible with ozonated water and works well with most detergents and sanitizers. Measurement 26" long with brush diameter 2-3/4". Connection for water supply is 3/4" garden hose female. Flow rate 3 gpm @ 30 psi or 4 gpm @ 60 psi of water pressure.

SKU #25409 \$149.00

Kleen-Pail Sanitizer

Plastic pail for sanitizer, warning mark to prevent error & accident in processing facilities. Dimension 11.5" x 12" x 10" H. Capacity 10 qt.

SKU #4619 \$12.00



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.

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

SKU #2544 \$599.00



Superklean Wash Down Spray Station

Stainless steel hot & cold water wash down mixing units and hose station, with temperature gauge and ball valve, inline check valve and stainless steel hose rack. Designed as a wall mount unit.

- Maximum operating temperature 200° F
- Maximum working pressure 150 psi
- Inlet & outlet connection is 3/4" NPT female
- Washdown hose & spray nozzle are not included

SKU #2541-2	Superklean Hot & Cold Mixing Station	\$1350.00
SKU #2541-5	Superklean Single Station	\$930.00



Streamline Wash Down Spray Nozzle

Brass washdown spray nozzles designed and constructed to withstand the daily demand in 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 \$120.00



Superklean Wash Down Spray Nozzle

Stainless steel washdown spray nozzles designed and constructed to withstand the daily demand 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
- Connection: 1/2" NPT female

SKU # 2542 \$189.00



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



Basic Hose Racks - 304 Stainless Steel

Designed to hold 50 ft. of washdown hose in 3/4” ID.
SKU #79665 \$95.00

Hose Racks with Wall Mounting Plate

304 stainless steel wall-mounted hose rack for food processing plant.
Designed to hold 50 ft. of washdown hose in 3/4” ID.
SKU #79664 \$295.00

Wall-mounted Hose Racks - 304 Stainless Steel

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

Washdown Hose with fittings ID 3/4” x 50 ft.

- Washdown hose with fittings for connection to washdown station and nozzle.
- ID 3/4” x 50 length with fitting installed & crimp.
 - Connection: 1/2” NPT male x 3/4” NPT male.
 - TEMPERATURE: -20°F to 200°F (-29°C to 93°C)
 - Maximum working pressure: 250 psi.
- SKU #79678 \$370.00

Swivel Hose Adaptor

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

1/2” Swivel Hose Adaptor	SKU #2537F	\$110.00
3/4” Swivel Hose Adaptor	SKU #2537B	\$159.00

Brass Garden Hose Adaptor

Brass hose adaptor for connection to spray nozzle.
Fits washdown hose 3/4” ID.

SKU #85-09	Brass Garden Adaptor 3/4” x 3.4” NPT female	\$5.75
SKU #85-092	Brass Garden Hose Barb	\$9.50
SKU #85-093	Brass Adaptor 3/4” Garden Hose F. x 1/2” NPT male	\$7.50
SKU #85-094	Brass Adaptor 3/4” Garden Hose M x 1/2” NPT male	\$7.50
SKU #85-098	Brass Adaptor 3/4” Garden Hose F x 3/4” NPT female	\$12.50



Hygienic Tools for Beverage Processing

Lightweight & sturdy, hygienically designed for food and beverage industry. Injection molded white color polypropylene or nylon, meets FDA and UDSA 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	298-51	\$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	\$27.00
Hygienic Telescopic Handle	62” x 113” max	298-15	\$69.00

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
Valve & Fitting Brush		298-20	\$35.00

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 Cleanning Sponge Ball	306-30	\$9.50

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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. I

- 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 \$15.95



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



Food Grade Lubricant

A heavy duty sanitary lubricant with extended performance, low friction properties. 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 prtms 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

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, tasteless, 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.

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

SKU #4565 \$149.00 / 1 gallon jar



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 \$19.00

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



CitriSurf 77 Plus Rust Removal

A 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 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 blend of chemicals formulated for passivation of stainless steel. Liquid 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	5 gallon	\$199.00
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Particulate Respiration

Advance filter media for easier breathing and protection from particles & dust. M-nose-clip for comfort and cool flow valve helps keep wearer cool. Sold 10 mask per box.

SKU #4602-10	Particulate Respiration	\$20.00
SKU #4602	Particulate Respiration with foam face seal	\$49.00



Safety Eyewear

Safety eyewear with style, lightweight wraparound lens contours to your face for a better fit and enhancing protection. High-impact polycarbonate lenses offer 99.9 UV protection, scratch resistant and anti-fog coating.

SKU #4603-50	\$3.50
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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



First Aid & Eyewash Station

First Aid kit with 1 bottle of sterile solution.

SKU #4603-20 \$45.95



First Aid Kit

First Aid kit OSHA Compliant

SKU #4603-25 \$35.95



Hi Visibility Safety Vest

Extra visibility in dark or low light area.

SKU #4605-12 Green color \$12.00

SKU #4605-11 Red color \$12.00



Flex Nitrile Coated Nylon Glove

Abrasion and oil resistant, non-slip grip with knit wrist cuff. Excellent dexterity for production. Light weight and breathable. Price is per dozen of same size.

SKU #1023-1 Medium Glove \$30.00

SKU #1023-2 Large Glove \$30.00

SKU #1023-3 Ex-Large \$30.00



Blue Monster PTFE Pipe Thread Sealant

Formulated with PTFE resin, lead-free and non-toxic. 2 oz. tube.

SKU #4620-24 \$3 .95



Blue Monster Anti-Seize Sealant

An anti-seize lubricant and thread sealant for use in high temperature environment.

SKU #4620-22 Nickel Anti-Seize Sealant - 8 oz. \$34.00

SKU #4620-23 CopperAnti-Seize Sealant- 10 oz. \$20.00



Blue Monster Anti-Seize thread Sealing Tape

Tape helps prevent galling and seizure. Tape 1/2" x 50 ft.

SKU #4620-10 Stainless Steel \$9.50

SKU #4620-15 Copper Guard \$4.95



Blue Monster Citrus Scrubbing Towels

Amazing cleaning action with pleasant citrus cleanser to clean hands, tools, equipment and hard surface area with these convenient scrubbing towels.

SKU #4622 \$24.00

Drain Banger

Devours grease, soap & oils that slow and plug drain lines, a hot water activated drain cleaner that will not harm fixtures, porcelain or septic systems.

SKU #4621 Drain Banger 1 lb. \$11.00



www.gwkent.com



Hoses

Novaflex EPDM Hose with Sanitary Hose Ends

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.



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	\$349.00
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 (No fittings)

- Sold in 25 ft., 50 ft. and 100 ft. length 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.	\$8900 / 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.



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

Hot Water Hose



Multiple textile spirals reinforced hot water hose ID 3/4” with garden hose coupling assembled on 2 ends. Withstands temperature up to 200°F

Item	I.D.	Length	Pressure Rating	SKU	Price
Hot Water Hose	3/4”	25 ft.	500 psi max	7963	\$199.00
Hot Water Hose	3/4”	50 ft.	500 psi max	7964	\$299.00

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 assemmed & 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	\$50900
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”	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

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	\$1,349.00

Goodyear Vintner Hose (No fittings)

- Sold in 25 ft, 50 ft. or 100 ft. length 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” 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.

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. Special order for 100 ft or longer length, lead time 3 - 5 days.



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



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
- Temperature: 15 F to 150 F
- Sold in 25 ft. 50 ft and 100 ft. length only.



Cut hose is not returnable
Please allow 1 - 2 extra days for cut hose.

Item	I.D.	O.D.	Pressure Rating	SKU	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.

Braided PVC Hose

Goodyear Pliovic hose is clear reinforced tubing for the food & beverage industries. Designed for discharge, can’t handle suction.

Construction

- Tube: Clear Pliovic conforms to FDA, 3-A, & USDA
- Reinforcement: Spiral synthetic yarn
- Cover: Clear Pliovic
- Temperature: 15 F to 150 F
- Sold in 50 ft. pre-cut length only.



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

Silicone Hose



Platinum cured silicone meets USP class VI requirement, ultra-flexible, sterilizable by autoclave, 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
- Temperature: -10° F to + 400° F
- Sold in 50 ft. length only.

SKU #798-1 ID 1/2" x 50 ft. \$225.00
SKU #798-2 ID 3/4" x 50 ft. \$425.00



Braided Silicone Hose

- 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

Beverage Flexible Vinyl Tubing

Vinyl tubing, a non-toxic, FDA approved formulation can be used in laboratories, food processing, beverage line and dairy applications.

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	\$28.50
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



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

Food Grade Steam Hose

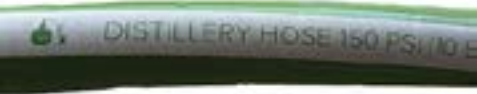
ID 3/4” steam hose for sterilization in the beverage processing plant. FDA & USDA compliant. Temperature -40 F to 338 F. Cut in 25 ft, 50 ft. or 100 ft. length only.
SKU#7874-34 \$6.50 / ft.



Distillery Hose

Food grade hose ID 1.0” for suction & discharge of alcohols up to 90%. Hose is precut with tri-clamp hose barb machined on hose. Hose has a clear UHMWPE tube that is odorless and tasteless and can be sterilized with steam at 230 F for 30 minutes. Temperature -4 F to 230 F. FDA & USDA compliant.

Distillery Hose	SKU	Price
ID 1” x 10 ft. with hose barb	7875-110	\$319.00
ID 1” x 20 ft. with hose barb	7875-120	\$449.00
ID 1.5” x 10 ft. with hose barb	7875-210	\$419.00
ID 1.5” x 20 ft. with hose barb	7875-220	\$599.00



Hose Splicer

Small diameter hose splicer for hose connection, made of 316L stainless steel.



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 1/4”	824-5	\$5.00

Hose Clamps

Stainless steel hose clamp.



Item	SKU	Price
1-1/2” Hose Clamp	82-73	\$2.00
2” Hose Clamp	82-74	\$2.50
3” Hose Clamp	82-75	\$3.00
3-1/2” Hose Clamp	82-76	\$3.75



www.gwkent.com

info@ gwkent.com

1.800.333.4288

Laboratory supplies

DuJardin-Salleron Electric EBULLIOMETERS

Ebulliometer with an electronically regulated heater for quick and easy determination of alcohol content of dry wines in 5 minutes. Electronic probe and digital display with 0.1% vol accuracy, quick set up and ergonomic design.

SKU #2669	Electric Ebulliometer	\$2,350.00
SKU #2669A	Replacement glass condenser	\$385.00



DuJardin-Salleron EBULLIOMETERS

French made ebulliometers preferred by vintners all over the world. Easy and accurate measuring of alcohol content in wine with an ebulliometer. The test is based on the difference in boiling points of water and alcohol. Ebulliometer will not give an accurate reading for wines with high residual sugar, distillation method is needed. Complete ebulliometer kit with alcohol lamp and packed in wood case. SKU #2674 \$995.00

Titralyser

Automatic determination of pH, total acidity and volatile acids. Quick and simple analysis with direct reading for results in pH, g/L tartaric acid/acetic acid. Program analysis for pH, total acidity and volatile acids in the extract.

Features:

- Automatic titration with pH electrode
- Magnetic stirrer
- Intergrated precision syringe pump

SKU #2665-1	Titralyser	\$4,350.00
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Iodolyser

Apparatus for determination of free and total SO2, simple to use with excellent repeatability.

Features:

- Automatic titration by potentiometry.
- Direct ready on display of results in mg/L free & total SO2
- Integrated magnetic stirrer
- Integrated precision syringe pump

SKU #2665-2	Iodolyser	\$4,250.00
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Sulfilyser

Apparatus for determination of free and total SO2, simple to use and can be used in very dark color red wine, must, juice, vinegar and alcohol. Excellent repeatability and great value.

Features:

- Potentiometric determination for simple & rapid analysis
- Manual control of titration by electro-valve
- Integrated magnetic stirrer

SKU #2665-3	Sulfilyser	\$2,550.00
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Fermentest Kit



A simple and quick method to determine reducing sugars in must and wines.

- Features:
- Quick determination of the stage of alcoholic fermentation.
 - Clear results with matching color chart
 - Analysis in less than 1 minute
- | | | |
|-------------|-------------------|----------|
| SKU #2665-5 | Fermentest Kit | \$115.00 |
| SKU #2665-6 | Fermentest Tablet | \$60.00 |

Light & compact for field applications, with automatic temperature compensation.

Atago PAL 1
Brix / Acid 2

- Specifications:
- Range: Brix 0.0 - 60.0%
 - Acid: 0.10 to 4.00%
 - Resolution: Brix 0.1%, Acid 0.01%
 - Accuracy: Brix +/- 0.2% Acid: +/- 0.10%
 - Temp Comp: 10° - 40°C
 - Measuring Time: 3 seconds
- Catalog #2733 -20 \$720.00



Atago PAL 1
Brix Refractometer

Light & compact for field applications, with automatic temperature compensation. High water resistance.
System: Optical refraction critical angle detection.

- Specifications:
- Range: Brix 0.0-53.0%
 - Resolution: 0.1%. Accuracy: +0.2%
 - Temp Comp: 10° - 40°C
 - Measuring Time: 2 seconds
- Catalog #2733 \$375.00



Refractometer

For measuring sugar content with automatic temperature compensation 10° - 30°C. No tools needed for calibration, ideal for field work. Premium quality and best price. Packed in protective plastic case.

- Feature:
- Temperature compensation 10° - 30°degree C
 - Range: 0 - 32 brix ATC
 - Resolution: 0.2%
 - Accuracy: 0.2%



Refractomer	SKU	Price 1 -9 pcs	Price 10 + pcs.
0 - 32 Brix	#2727	\$39.00	\$35.00
28 - 62 Brix	#2728	\$39.00	\$35.00
0-40 Brix /0-25% alcohol	#2729	\$39.00	\$35.00
Hi Brix 28 - 62 Brix	#2728	\$39.00	\$35.00
Specific Gravity 1.00 - 1.12	#2725	\$39.00	\$35.00

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.
- Catalog #2732 \$175.00



- Features:
- 1.5 second measurement time.
 - Automatic temperature compensation (ATC).
 - Easy set up and storage. Battery operated.

Hanna Edge pH Meter

Edge is thin and lightweight, measuring just 1/2” thick and weighing less than 9 ounces. Edge has an incredibly wide viewing angle, 5.5” LCD and a sensitive capacitive touch keypad.

- Thin, Lightweight Design
- Multiparameter (ability to measure pH, EC or DO)
- pH Electrode Monitoring Technology
- Multiple Calibration Points
- Built-in Temperature Sensor on all Electrodes
- Log on Demand
- Large, easy to read LCD
- Capacitive Touch
- Dual USB ports
- GLP feature
- Rechargeable Battery

Model HI 2020 SKU #2731 \$409.00



Hanna HALO Wine pH Meter

Hanna pH meter HI 10482, pH meter has a glass body, spherical tip, and Hanna’s Clogging Prevention System (CPS) that resists clogging 20x longer. All readings are transmitted directly to your Apple or Android device or the edge*blu.

- Take laboratory grade pH and temperature measurements using your smart phone or tablet.
- SKU #2603 \$219.00

Hanna Edge D.O. Meter

- DO Range : 0.00 to 45.00 mg/L (ppm) 0.0 to 300.0% saturation
- DO Resolution 0.01 mg/L (ppm) 0.1% saturation
- DO Accuracy @ 25°C/77°F ±1.5% of reading ±1 digit
- DO Calibration Points 1 point slope calibration with probe in water saturated air (100%) 1 point offset calibration in HI 7040 solution (0%)
- DO Temperature Compensation Automatic: 0.0 to 50.0°C; 32.0 to 122.0°F

SKU #2675 \$575.00



Hanna pH Meter HI 2222W

Advanced microprocessor-based featuring automatic buffer recognition at pH 7 and 3. Meter is designed to calibrate to proper pH range of 2.5 to 3.5 with an accuracy of +/- 0.0002. Special electrode resists the sensor clogging effects of wine must, also detects when electrode needs cleaning and gives a warning during calibration. Logging of up to 100 samples shown right on the display. Price includes pH electrode, magnetic stirrer, buffer solution, calibration solutions, cleaning and storage solutions. Excellent quality at great value.

SKU #2734 \$625.00

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

SKU #2614 \$99.00

- Specifications:
- 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



Dissolved Oxygen Meter for Wine

Extended range dissolved oxygen meter can measure DO inbottled wine as well as storage tanks. It has automatic compensation capabilities for conditions that can impact the accuracy of reading such as temperature, altitude, humidity and salinity. Automatic calibration Includes wine spot check DO probe with 3 ft. cable, 2 spare membranes and electrolyte solution and packed in carrying case.

SKU # 2676 DO meter HI 9146W \$699.00



Photometer for Residual Sugar Measurement in Wine

Photometer for measuring residual sugar in wine is engineered with convenience and simplicity in mind. A refined interface minimizes the number of steps from sample preparation to analysis. Equipped with a specialized tungsten light source and a narrow band interference filter at 610 nm, this instrument provides immediate results that can facilitate decisions relating to harvest time as well as predicting alcohol potential during the fermentation process and determining total concentration of residual sugar in wine.

Hanna HI 83746-01.
SKU #2713 \$595.00



Turbidity Meter & Bentonite Monitoring in Wine

Visual examination is not the most reliable way to measure clarity of wine, the use of a scientific instrument is required. A turbidity meter allows winemaker to make adjustments during fermentation and filtration. Hanna Instruments has developed the HI 83749 meter to accurately measure the haze (Turbidity) caused by Protein and Microbial contamination and is an invaluable tool in the monitoring of Bentonite addition. Optical system consists of a tungsten light source and a narrow band filter of 525 nm.

SKU #2679 \$795.00

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 CO 2 is heavier than air. Our CO 2 analyzer is fitted with both audible and visual alarms. When excess levels of CO 2 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 CO 2 monitor which can be worn on a belt or even wall mounted CO 2 safety system. Offering audio/visual alarms, datalogging and a man down alarm for lone workers. The Aspida is an affordable, easy to operate CO 2 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



mini Titrator

Item	SKU	Price
mini Titrator for Titratable Total Acidity	2708N	\$850.00
mini Titrator for Free & Total Sulphur Dioxide	2709N	\$850.00
Tubing Assembly	2708-5	\$58.00
Beaker 50 mL 10/pk HI 740036P	2708-6	\$16.00
Titration pH Electrode HI 1048B	2708-7	\$186.00
SO 2 Prob HI 3148B	2709-8	\$195.00
Lor Range Titrant Solution HI 84500-50 (230 ml)	2709-14	\$32.00
Alkaline Reagent HI 84500-61 (120 ml)	2709-12	\$32.00
Acid Reagent for Total SO2 HI 84500-60 (230 ml)	2709-13	\$32.00
High Range Titrant Solution HI 84500-51 (230 ml)	2709-15	\$32.00
Stabilizer Reagent HI 84500-62 (100 pcs.)	2709-11	\$35.00
Calibration Standard HI 84500-55 (120 ml)	2709-16	\$38.00
Titration for Total Acidity HI-84102-50	2708-1	\$24.00
Standard for Total Acidity HI-84102-55	2708-2	\$38.00
Buffer Solution pH 7.00 500 mL.	2734-2	\$27.00
Buffer Solution pH 8.20 500 mL.	2708-4	\$27.00
Buffer Solution pH 3 500 mL.	2734-1	\$23.00
Buffer Solution pH 4 500 mL.	2735-2	\$23.00



Photometer for Determination of Tartaric Acid in Wine

A portable photometer, micro-processor meter for measuring tartaric acid in wine. A built-in auto-diagnostic feature optimizes the optical condition and ensures the most precise reading possible. An advanced optical system, built around a specialized tungsten lamp and a narrow band interference filter at 525 mm affords accuracy and repeatability. With a few simple steps, winemakers can quickly and accurately measure tartaric acid content.

Hanna HI 83748-01.
SKU #2710 \$495.00



Titrateable Total Acidity

An affordable, easy to use microprocessor-based automatic titrator that is simple and provides accuracy and repeatability. This instrument is supplied with a preprogrammed analysis method designed for total titratable acidity measurement in wine. It performs automatic analysis, all necessary calculations. The instrument features a built-in algorithm to analyze the shape of the pH electrode response and to determine the reaction completion.

Supplied complete with reagent set for 20 titrations, automatic pipette, beaker, pH electrode, temperature probe, stir bar, syringes, cleaning solution and instruction manual.

Specifications	
Range:	0.0 to 25.0 g/L of tartaric acid
Resolution:	0.1 g/L
Accuracy:	5% of ready
Method:	Acid base titration method
Principle:	End-point titration
pH Calibration:	1 pt. in selected end point: 7.0 or 8.2 pH
Sample Volume:	2 mL
Temperature:	ATC 0 - 100° C
Pump Volume:	0.5 mL / min
Stirring Speed:	1500 rpm

Free & Total Sulphur Dioxide

An affordable, easy to use, microprocessor based automatic titrator, with a simple and reliable peristaltic pump that ensures high dosing repeatability. The instrument has a pre-programmed analysis method designed for free and total sulphur dioxide measurement on wine samples. By simply pressing the START / STOP button, the instrument will automatically make the titration up to the equivalence point. The result is immediately displayed. Supplied complete with reagents set for 20 titrations, beakers, ORP probe, stir bar, syringe, cleaning solution and instruction manual.

Specifications	
Range:	0 to 400 ppm SO2
Resolution:	1 ppm
Accuracy:	5% of ready
Method:	Ripper titrimetric method
Principle:	Equivalence point REDOX titration
Sample Volume:	50 mL
Pump Volume:	0.5 mL / min

Magnetic Stirrer & Stirrer Bars

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



Triple Scale Hydrometers

(pack 10 per case)
Scale 0.800 - 1.15 S.G.
SKU # 2608-1 \$30.00 / case of 10

Floating Glass Thermometer

(pack 10 per case)
Temperature range range 0 - 220° F.
SKU #2608-5 \$39.00 / case of 10

Floating Thermometer with protective cover

Temperature range range 0 - 220° F.
SKU #2608-7 \$7.50 each

Economy Hydrometer Test Cylinde

With plastic base, capacity 250 ml.
SKU #264-9 \$6.00 each

Glass Air lock

SKU #2608-9 \$5.00 each

Vinometer

SKU #2608-3 \$24.00 per case of 10

Eonomy Glass Thief

Glass thief straight, diameter 3/4" x 11-3/4" L. Pack 10 per box.
sku #2983-2 \$39.00 / case of 10.



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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
39 - 51 Brix Hydrometers	39 - 51 brix	0.1°	266-51	\$25.00
49 - 61 Brix Hydrometers	49 - 51 brix	0.1°	266-61	\$25.00
- 5 to + 5 Hydrometer with built in Thermometer	-5 to +5 brix	0.1°	266-05T	\$53.00
0 - 12 Brix Hydrometers with built in Thermometer	0 - 12 brix	0.1°	266-12T	\$53.00
9 - 21 Brix Hydrometers with built in Thermometer	9 - 21 brix	0.1°	266-21T	\$53.00
19 - 31 Brix Hydrometers with built in Thermometer	19 - 31 brix	0.1°	266-31T	\$53.00
0 - 35 Brix Hydrometer with built in Thermometer	0 - 35 brix	0.1°	266-35T	\$53.00

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



Glassware



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
Filtring Flask 250 mL.	250 ml.	262-5	\$14.00
Filtring Flask 500 mL.	500 ml.	262-6	\$20.00
Filtring Flask 100 mL.	1000 ml.	262-4	\$30.00
Beakers 250 mL.	250 ml.	263-1	\$4.50
Beakers 600 mL.	500 ml.	263-2	\$7.50
Beakers 1000 mL.	1000 ml.	263-3	\$15.00
Beakers 2000 mL.	2000 ml.	263-4	\$29.00
250 ml. Graduated Cylinders	250 ml.	264-1	\$29.00
500 ml. Graduated Cylinders	500 ml.	264-2	\$39.00
1000 ml. Graduated Cylinders	1000 ml.	264-3	\$59.00
Volumetric Flask 250 mL.	250 ml.	264-5	\$20.00
Volumetric Flasks 500 mL.	500 ml.	264-6	\$25.00
Volumetric Flasks 1000 mL.	1000 ml.	264-7	\$59.00

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Volatile Acid Still

Modified from standard Cash Still, featuring an aspirator pump to remove the spent sample. This new still saves time, distilled water and repairs. Distillation is carried out in the same manner as with Cash Still, but instead of draining the entire boiling chamber of its distilled water to remove the spent sample after distillation, the aspirator pump sucks out the sample quickly and simply. Entire operation goes about twice as fast and eliminates contamination by previous sample.

Apparatus for SO 2 Determination by Aeration-Oxidation

Uses aeration-oxidation method of determining free, bound and total SO 2 in wine. This method has been shown to be more accurate for free SO 2 and is preferred for total SO 2. Compared to Ripper Method; several problems can be avoided. That includes the blue starch endpoint of titration can be obscured by color of red wine; SO 2 can volatilize and escape during titration and the iodine can be reduced by non-sulfite compounds.

Macrodistillation Apparatus for Alcohol Separation

An economical, practical and simple instrument for alcohol separation for the determination of ethanol.

Item	SKU	Price
Volatile Acid Still	2670	\$750.00
VA Still complete assembly with clamp & stand	2670-11	\$995.00
Macrodistillation Apparatus for Alcohol Separation	2672	\$325.00
Microdistillation for Alcohol Separation complete assembly with stand	2672-11	\$445.00
Apparatus for SO2 Determination by Aeration-Oxidation	2673	\$375.00
Free SO2 set up with Accuflow, clamps and stand	2673-11	\$895.00
Accuflow 5000 (pump/timer/flowmeter)	2673-5000	\$549.00
Barrette Stand	2668-1	\$45.00
Butterfly Clamp	2668-2	\$29.00
3 Prong Extension Clamp with S.S. Rod	2668-3	\$39.00
Swivel Clamp, 3 prong adjustable	2668-4	\$49.00
Glass Alchol Burner	2668-5	\$14.50

Alcohol Hydrometers

Precision hydrometer for commercial use, proof scale.

- Calibrated at 20° C
- Accuracy: plus/minus one subdivision
- 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



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 headquarters and warehouse 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.



Fast delivery from efficient stocking warehouse



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G.W. Kent

Winery, Cider & Beverage

www.gwkent.com

info@gwkent.com

Office & warehouse address:

506 S. Huron Street

Ypsilanti, MI 48197 USA

