



ASK AN ENGINEER

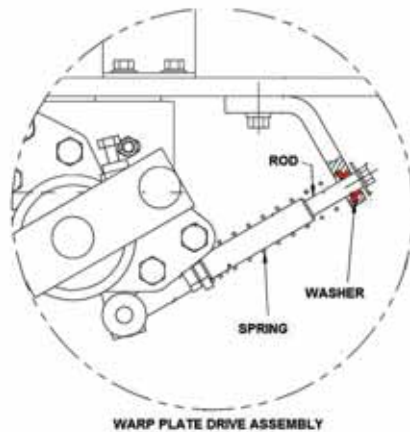
I'm tired of shutting down my N-8 to replace worn infeed rod washers. Help!

Help is here. Making just a small change can extend the life of your N-8 infeed assembly and reduce downtime to replace worn washers.

coefficient of friction and allows the rod to slide very easily but still stay in the proper location. The downside to Teflon is that it is not an extremely durable material and allows for some wear over time.



Teflon washer



Due to the constant motion of the warp plate drive rod, the washer that keeps the rod in position gets worn and needs to be replaced periodically. The original washer, PN 3056969, is made of Teflon, which has a very low

So a bushing, PN 5591916, made of High Density Polyethylene (HDPE) was developed to replace the washer. While HDPE does not have as low a coefficient of friction as Teflon does, it is a much more durable material and will last much longer in operation.

In addition to the material change, the shape of the bushing allows a greater area to contact the rod surface. Again, this change will make the bushing last longer than the old washer design.

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Cindy Grieder

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## PARTS DISCOUNTS

# Surplus/Obsolete Discounts

Take advantage of these huge discounts on overstocked parts. The part numbers and prices in **red** may have been further reduced from previous discounts. To order, make sure you ask for the surplus/obsolete price. Stock is limited to the quantities shown, so order now!

Part no.	Description	Model	Qty	List price	DISCOUNT PRICE
3056184	Bottom Oven Housing	H5	3	\$2,061	\$750
3056620	Oven Housing	H5, H90	1	\$2,517	\$1,950
3109831	Dater Mounting Block	Q12, Q14	2	\$2,653	\$950
3111800	Dater Mounting Block	H5	4	\$1,450	\$550
3111802	Dater Mounting Plate	H5	3	\$1,094	\$600
3114500	Top Seal Mounting Plate	H5, H6	3	\$1,500	\$850
3115361	Programmed Controller	EQ3, EQ4	2	\$6,360	\$2,750
3151891	Top Pour Spout Side Oven	QPC11	9	\$4,038	\$595
3154507	Bottom Oven Shaft	EQ4, N5, QPC11	2	\$3,012	\$1,950
3158285	Top Oven Housing - Line 1	H5	4	\$4,038	\$1,900
3171306	Air Cap for Air Atomizing Nozzle 5907135	COL80, EQ70, GTLS60, N100, Q70	44	\$121	\$45
3282858	Fill Cam	EH1, EH2	2	\$1,725	\$750
3283670	Anvil Spindle - Half-gallon SA Spout	EH2, H9	2	\$3,257	\$1,950
3285405	Top Seal Moveable Jaw Line 1	EH	3	\$1,408	\$1,250
3286429	Positioner - Half-gallon, 2 Liter	EH	14	\$975	\$325
3482809	H2O2 Pump Enclosure Assembly	EH3, EQ5, Q140	1	\$4,510	\$3,200
3483081	Infeed Drive Shaft Assembly	EQ5	1	\$13,080	\$8,700
3491991	Top Squeezer Jaw	N8	4	\$2,496	\$950
3491992	Top Squeezer Jaw	N8	4	\$2,496	\$950
3493068	CIP Spacer	N8	84	\$103	\$25
3493668	Infeed Support Assembly	N8	1	\$10,990	\$6,900
3571680	Gear Box Assembly Belt	BF30	1	\$2,894	\$2,250
5516776	Heater Element 8KW 440V 3PH	EH1, EH2	5	\$2,400	\$2,100
5517385	Horn, VE2 Quart Spout	H9, EH2, EQ5	1	\$3,928	\$2,250
5522767	Conveyor Chain (Pair - Old Style)	N8	4	\$3,363	\$1,900
5903675	Outlet Valve	H6	11	\$449	\$175
5904735	Flipped Fill Actuator	Q14, Q15	2	\$4,138	\$3,750
5905326	Piston and Rod Assembly	H5	3	\$1,676	\$750
7056586	Clamp Hold Down	N7	9	\$692	\$235
7264265	Conductivity Sensor and Transmitter Replacement Kit	EH2, EH3, EQ5, N8, Q14	1	\$5,360	\$3,950

The *Run Time* is the newsletter of the Evergreen Packaging Equipment Sales Services Department. Its purpose is to provide customers with Evergreen Packaging gable top parts and service information.

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We welcome comments  
 and suggestions. Please  
 send all mailing address  
 changes to the editor.

Evergreen Packaging  
 Equipment is proud to be  
 ISO 9001:2008 certified.

### QUALITY POLICY

As employees, we will  
 perform our jobs in  
 conformance to  
 customer and industry  
 requirements with a  
 commitment to doing it  
 right the first time. We  
 will manufacture and  
 deliver on time, defect-  
 free products and  
 services to our  
 customers.

We are dedicated to  
 quality and continuous  
 improvement.

(Cont from page 1)

The new bushing will work on all N-8 machines. It is listed in the parts manual for N-8s SN1704 and up. If you have a machine older than SN1704, make a note in your parts manual to order new bushing PN 5591916 when replacing the infeed



HDPE bushing

rod washers.

An additional note: To further extend the life of the bushing, apply some food-grade grease onto the rod when rebuilding the warp plate infeed assembly. This is an area that is not lubricated by the N-8's automatic lubrication system. Coating the rod with grease will help ensure smooth operation and extend the life of the parts.

#### SERVICE TIP

## Avoid Fill Screen Nozzle Leakage With Regular Maintenance



Screen nozzle drool or dripping can be caused by wear on the check valve stem and/or check valve body. Over time, this wear can cause the check valve to tilt or seat unevenly in the check valve body. When the check valve is not seated evenly, product is allowed to

I hope these suggestions provide some assistance. If you have questions about this or any other issue, don't hesitate to "Ask An Engineer."



- Jim Goranson  
N-8/Spout Engineer

pass around it, which results in dripping or drool.

To avoid this problem, periodically check for wear on the check valve stem and check valve body and replace when needed. Spring retainers should also be checked for wear. To ensure proper performance, replace the springs in the fill nozzles and metering bowl check valves quarterly.

#### EPE NEWS

## Sales Coordinator Cindy Grieder Retires

What were you doing 43 years ago on January 21? If you were Cindy Grieder, you were reporting for your first day of work at then Cherry-Burrell. Now fast-forward to January 3, 2018—the day Cindy will officially retire from Evergreen Packaging.

A lot has happened over those 43 years. Cindy moved from punch card puller to parts expediter to sales coordinator. She traveled the

world. She became a grandmother of six. And she helped countless Evergreen customers with their repair parts needs. Along the way, she even managed to turn some of those customers into long-time friends.

Be sure to wish Cindy well before the year ends and she punches the out-of-office button on her phone for the last time. Congratulations, Cindy!



EVERGREENPACKAGING is a global leader in beverage packaging systems, serving the dairy, juice, specialty, and other liquid food markets. The Evergreen Packaging business employs nearly 4,100 people worldwide. Besides the North American facilities, Evergreen Packaging includes wholly owned subsidiaries in China, South Korea and Taiwan, and joint ventures in Israel, Latin America, North Africa and Saudi Arabia.

Evergreen Packaging is owned by Reynolds Group Holdings Ltd, an investment company that also owns Reynolds Packaging, Pactiv Corporation, Closure Systems International and Graham Packaging.

The Evergreen Packaging product line includes:

- Gable top packaging equipment—which forms, fills, and seals paper gable top cartons—available for pasteurized, ESL (Extended Shelf Life), ELL (Extended Long Life), and hot fill applications. These machines fill cartons from 4 oz. up to half-gallon (150 ml up to 2 liter), at speeds from 30 to 340 cartons per minute.
- SPOUT-PAK® twist-off closures for most gable top cartons.
- Gable top materials available through our global network of converting plants.



## PRODUCT SPOTLIGHT

# Evergreen Offers Expertise in ESL/ELL® Practices

Having roots in the gable top business dating back 50 years, Evergreen Packaging is a global leader in standard pasteurized, ESL (Extended Shelf Life) and ELL® (Extended Long Life) gable top packaging machines.

Evergreen offers gable top machines for refrigerated dairy, plant-based beverages, juice, liquid eggs and other liquid food markets. All current machine models, in all cross-sections (Eco-Pak®, quart/liter and half-gallon/two liter) have ESL options available to maintain your product quality from production to point of sale and beyond.



### What does ELL technology do for you, the processor?

- **Increases plant efficiencies** through longer production runs
- **Maximizes distribution** and reduces cost with fewer, larger deliveries to distant markets, leaving optimal shelf life at point of sale
- **Reduces product returns** from expired short-term pull dates
- **Enhances retail shelf presence** among numerous beverage choices because of longer pull dates
- **Drives brand building** with valuable, high-quality graphic real estate

Industry-leading ESL/ELL components may include HEPA filtration, auto-sanitization, carton decontamination, a hermetic fill system and a self-contained CIP/SIP system.

Evergreen also has the expertise of a food scientist on staff to assist your plant with quality and operational troubleshooting, and plant support.

Beverage processors worldwide recognize Evergreen machines as easy-to-use, reliable, high-speed and cost-effective ESL and ELL gable top fillers.

For more information, contact Evergreen Packaging Equipment at 319-399-3294 or visit [www.evergreenpackaging.com](http://www.evergreenpackaging.com).



Every part you purchase from EVERGREEN PACKAGING EQUIPMENT is backed by our:

- Commitment to quality.
- Technical Service Team (TST) of engineers to answer your questions.
- Team of knowledgeable sales coordinators to make sure you get the part you need, when you need it.
- Emergency parts and service availability 24 hours a day, 7 days a week.
- Experienced field service technicians available to maintain your filler in peak operational condition.
- Six-month warranty.

#### TO ORDER PARTS:

Email: [evergreenparts@everpack.com](mailto:evergreenparts@everpack.com)  
Phone: 319-399-3399 or 800-553-5981  
Fax: 319-774-2194 or 800-553-5986

#### TO REQUEST SERVICE:

Email: [evergreenfieldservice@everpack.com](mailto:evergreenfieldservice@everpack.com)  
Phone: 319-399-3570 or 800-331-6083  
Fax: 319-540-8958

#### FOR TECH SUPPORT:

Phone: 319-399-3300

### ANNOUNCEMENT

The Evergreen Packaging facility will be closed Nov 23-24, Dec 25-26 and Jan 1-2 for Thanksgiving, Christmas and New Year's. On those days, we will ship parts and schedule service on an emergency basis only.

Happy holidays!

## MACHINE TRAINING

# Learn From the Experts at Evergreen Schools

Let trainers Dennis Meagher and Mike Tisdale show you how to keep your Evergreen filler properly maintained for top performance and

long life. Training schools include both classroom and hands-on training.

To request training for a

specific filler model, please email Dennis at [dennis.meagher@everpack.com](mailto:dennis.meagher@everpack.com) or call 319-399-3584.

Training can be held at the Evergreen Cedar Rapids facility or at your own plant. Also ask about in-plant training using our N-8 fill system or Spout-Pak® training stands.

For the most up-to-date training school information, visit [evergreenpackaging.com](http://evergreenpackaging.com).

