



ASK AN ENGINEER

How do I calibrate my filler's product tank level sensor?

Product tank level transmitters have changed over the years. Earlier model fillers use a Levelmatic system consisting of a sensor mounted in the side of the product tank which connects to a diaphragm that measures small variations of air pressure in the sensor. This

is empty, which is then displayed on the HMI as 0 in./mm or 0 percent of full. A full product tank will send a 20 mA signal to the PLC.

Older electronic level transmitters require connecting a volt-meter and adjusting the "zero" screw to obtain 4 mA with an empty



EH-3, EQ-5, EQ-70 level sensor

pressure change is converted to changes in product tank level and is shown by movement of a needle on the Levelmatic controller.

Current machine models also use a level sensor in the side of the product tank. However, the sensors are connected to an electronic transmitter that converts changes in product tank level to an electronic signal sent to a PLC, which is then displayed as in./mm or percentage of full on the operator HMI screen.

An electronic level transmitter will send a 4 mA signal to the PLC when the product tank



N-8 level sensor

tank, and then adjusting the "span" screw to obtain 20 mA with a full tank.

On newer electronic level transmitters, calibrating the "zero" and "span" requires pushing the "zero" or "span" buttons with the product tank either empty or full to automatically set the "zero" signal to 4 mA and the full or "span" signal to 20 mA.

An exception is the level transmitter currently available for the Evergreen N-8 filler, which

Contd on page 3

IN THIS ISSUE

Level Sensor Calibration? 1

Parts Discounts 2

Service Tips 2

Surplus/Obsolete Discounts 3

EQ-5 Top Folder Update Kit 3

Be Evergreen's Guest at Pack Expo 4

New Evergreen Equipment Sales Specialist 4



PARTS DISCOUNTS

Parts must be ordered between Sep 1 and Oct 31, 2016. To get the discount, you must ask for the special Run Time price when you place the order!

| Part No. | Description | Model | Discount | Your Price |
|----------|---|---------------------|----------|-------------|
| 3054104 | Metering Bowl | Q11 | 25% | \$2,580.00 |
| 3057566 | Conveyor Wear Strip Kit | EQ1, EQ2, EQ4 | 25% | \$5,360.00 |
| 3058305 | Top Seal Split Bridge PM 1 Hole Rebuild Kit | N5, NEP170 | 25% | \$28,850.00 |
| 3058342 | Top Seal Split Bridge HC Slot Rebuild Kit | N5, NEP170 | 25% | \$22,760.00 |
| 3057427 | Infeed Bar Spacer Kit | EH3 SN5600-5635 | 15% | \$940.00 |
| 3152172 | Arm Infeed Drive Assembly Complete | EQ4, N5, Q7, Q11 | 25% | \$1,800.00 |
| 3152768 | Mandrel Bearing Kit | H5, H90 SN3000 & Up | 25% | \$3,667.00 |
| 3153258 | Metering Bowl Subassembly | Q5, Q7, Q11 | 25% | \$4,110.00 |
| 3153457 | Metering Bowl Subassembly | N5, NEP170 | 25% | \$3,527.00 |
| 3158054 | Housing Weldment Line 1 | N5, Q7, Q11 | 25% | \$2,540.00 |
| 3158055 | Housing Weldment Line 2 | N5, Q7, Q11 | 25% | \$2,803.00 |
| 3158237 | Mandrel Shaft Assembly | H5, H90 | 25% | \$18,500.00 |

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.

Editor: Sheri Albrecht
 sheri.albrecht@everpack.com
 Phone: 319-399-3481
 or 800-553-5981
 Fax: 319-399-3388
 or 800-553-5986

Evergreen Packaging Equipment
 PO Box 3000
 2400 Sixth Street SW
 Cedar Rapids IA 52406

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.

SERVICE TIPS

Make Life Easy; Try These Hinged Feeder Bowl Covers

Kit 7264873 retrofits spout prefeeders with a hinged cover to allow easier access for loading caps. Say goodbye to the days of picking up and lifting off large feeder bowl covers. Available for EQ-5, EQ-70 and EH-3 fillers.



Update Kit Improves Infeed Performance

Kit 3058293 provides assembly drawings, bills of materials and parts to update the infeed assembly to improve performance and reduce dropped carton blanks. Design improvements include:

- A third fixed carton guide bar in the magazine
- Improved overbreak plates
- Improved wear plate guide plates
- Additional guide rollers in the guide chutes
- New setup procedures

Available for EH-1, EH-2, H-8 and H-9 fillers.

SURPLUS/OBSOLETE DISCOUNTS

Take advantage of these huge discounts on overstocked parts. 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 |
|----------|---|-----------------|-----|------------|----------------|
| 3111334 | Mandrel | EQ4, Q11, Q14 | 4 | \$3,212.00 | \$1,200.00 |
| 3116992 | Mandrel, Line1, Small Quart, 5th Panel Relief | EQ4, Q11, QPC11 | 4 | \$3,953.00 | \$1,200.00 |
| 3116993 | Mandrel, Line2, Small Quart, 5th Panel Relief | EQ4, Q11, QPC11 | 4 | \$3,953.00 | \$1,200.00 |
| 3150181 | Side Oven Head | N5 | 2 | \$1,394.00 | \$750.00 |
| 3150768 | Top Breaker Eccentric | N5 | 1 | \$4,621.00 | \$2,000.00 |
| 3151275 | Mandrel Cap | N5 | 6 | \$2,788.00 | \$750.00 |
| 3158285 | Oven Housing-Line 1 | H5 | 5 | \$4,038.00 | \$600.00 |
| 3158286 | Oven Housing-Line 2 | H5 | 4 | \$24,75.00 | \$600.00 |
| 3285815 | Anvil-Alcoa | SA VE3 | 8 | \$1,098.00 | \$400.00 |
| 3474189 | Top Seal Stationary Jaw-Line 2 | Q10, Q11 | 3 | \$1,538.00 | \$750.00 |
| 5517385 | Horn-Quart | VE-2 | 2 | \$3,870.00 | \$1,200.00 |
| 5517850 | Heater Element 10 KW | EH | 5 | \$2,305.00 | \$1,250.00 |
| 5522922 | Conveyor Chain | H5 | 2 | \$6,280.00 | \$3,000.00 |
| 7150179 | Carton Stop Block | N7 | 58 | \$144.60 | \$100.00 |

Contd from page 1

does not require calibration. The new level transducer is programmable where 100% level on the HMI corresponds to an “IH20” setting of 21.6 for SNs 1525-1712, or an “IH20” setting of 18.6 for SNs 1713 and up.

Always refer to your filler’s Operators Manual for instructions on calibrating the product tank level Levelmatic System or Product Tank Level Transmitter.

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

— Dave Olsen
Engineering Technical Support Manager



SERVICE TIP

Get More Run Time With EQ-5 Top Folder Update Kit

Update kit 7262696 for EQ-5 fillers SN 5200-5220 adds a second guide shaft support to reduce wear on the guide shafts and improve top folder stability and bearing life, which means less down-time needed for

maintenance. The kit includes the following parts to update the top folder with guides on both slide shafts:

- Base plate
- Shaft guide assembly
- Rod wipers
- Sealant
- Hardware to install the base plate and shaft guide assembly

This kit does not include the parts required to rebuild the top folder assembly.

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.



November 6–9, 2016
Chicago, Illinois USA

Evergreen Packaging Invites you to register for free.

For your free registration, visit www.packexpinternational.com, select "Register," and use Comp Code **64C54**. Enter your comp code during the registration process and the registration fee will be waived prior to your checkout. *(Expires 11/5/2016)*

Showcased in Evergreen Packaging's Booth #S-3182:

- A **NEW** High-Speed Quart/Liter Gable Top Packaging Machine in Operation – the **QL-233**
- OEM Parts & Service
- Fresh, Healthy, Sustainable Packaging Materials
- Branding Opportunities Utilizing a Gable Top Carton
- Formed Board Products such as a Fully Renewable Cup, Ovenable Trays, and Clamshells



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
Phone: 319-399-3399 or 800-553-5981
Fax: 319-399-3388 or 800-553-5986

TO REQUEST SERVICE:

Email: evergreen-fieldservice@everpack.com
Phone: 319-399-3570 or 800-331-6083
Fax: 319-399-3366

FOR TECH SUPPORT:

Phone: 319-399-3300

EP NEWS

Tom Murphy Retires, Denny Ziegler Joins the Equipment Sales Team

Dennis (Denny) Ziegler has joined the Evergreen Packaging team with responsibility for equipment sales in the Southern and Southeastern U.S. He will be taking over for Tom Murphy who is retiring the end of September after 30 years of service to the



industry. Based out of Lantana TX, Denny's area of responsibility includes Kansas, Oklahoma, Missouri, Arkansas, Louisiana, Kentucky, Tennessee, Mississippi, Alabama, Georgia, Florida, North and South Carolina and Puerto Rico.

He brings over 20 years of B2B experience to Evergreen, including several years in the packaging and processing industries with companies such as TetraPak and Ball Corporation.

"I am excited to be a part of the Evergreen Packaging team," Denny commented.

"Evergreen Packaging and its associates are willing to do whatever is necessary to support our customers. I am looking forward to personally meeting our customers and building on the strong relationships Evergreen has in the industry."

Sales Director Andy Dwivedi added, "We welcome Denny to our team. He brings a wealth of packaging industry experience, and will be a valuable asset for our customers in the Southeast region."



Denny can be contacted at dennis.ziegler@everpack.com or 940-205-2607 (cell).

ANNOUNCEMENT

The Evergreen Packaging facility will be closed on Sep 5 for the Labor Day holiday. On that day, we will ship parts and schedule service on an emergency basis only.

Happy holiday!