

# Newsline

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## SUMMIT and ILS Max: Reaching New Levels in Dosing Accuracy



### Introducing TAFS (Tunnel Automatic Formula Selection) Mode for Summit E and XL

In response to repeated feedback from all over the world, we have developed a new trigger mode for Summit to ensure dosing accuracy and programming simplicity.

#### The Problem

Customers find it inconvenient to have to select a formula number or name on both the washer and the chemical dispenser. In the past, customers have avoided this issue with programmable washer extractors by either using Relay Mode or AFS (automatic formula select) Mode. On tunnels, customers have used Relay Mode. AFS uses the signal from the washer to change the formula name/number selected on the dispenser. One problem is that signal length can vary, resulting in the wrong formula being selected or the wrong volume of chemical being dispensed. Another problem is the complexity of programming a tunnel.



*TAFS Mode on Summit E  
Programmer*

For further information please  
call customer service at  
(831) 426-0882,  
or fax to  
(800) 221-8416 within the  
U.S., or  
(01) (831) 423-4573 from  
outside the U.S .

*(Continued)*

# Introducing TAFS Mode (continued)

## Our Solution

TAFS Mode uses multiple signals to determine which formula to run. With this method, even when signal lengths vary, the correct formula number is selected and the correct volume of chemical is pumped. This mode is designed to work on tunnels, but also works perfectly on washer extractors.

## TAFS Accuracy vs. AFS (Automatic Formula Select)

- AFS uses a single trigger which comes on to determine formula number.
- Many washers have **variability in the length of the signal**, even when programmed, especially at higher numbered formulas. This variability causes formula set errors in some cases, and the wrong chemical is dosed. Imagine the trouble you'd have if bleach were dosed into loads of colors!
- TAFS relies on several triggers coming on, so trigger length variability won't cause the wrong formula number to be selected.

## TAFS Accuracy vs. Relay Mode

With Relay Mode, variability in trigger length means the **right chemical is dosed, but in the wrong amount**. If too little chemical is dosed, of course rewash costs go up. In another example, using 2-second triggers to dose peroxide on an older tunnel, we've heard of instances where the trigger came in one second too long. **This would increase peroxide usage 50% over the course of a year!** This is a lot of wasted chemical! Needless to say, if your customer is using software to track chemical costs versus expected cost per pound, they will not be pleased!




## TAFS Reduces Programming Time

Rather than setting several triggers to come on throughout the wash cycle, in TAFS mode you simply program which formula triggers to come on for the first part (or module) of the dosing cycle, and then the set formula batch transfer trigger for each subsequent step.

TAFS is faster to program than Relay Mode, especially non-volumetric Relay Mode on older dispensers, because with TAFS you just turn on the designated triggers for each formula and don't have to calculate trigger length to determine dose volume; it's all done for you.

## How Simple is It?

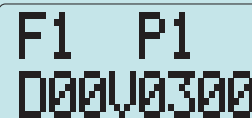
Assign pumps to Modules or "stages" in the wash process.

	Prewash: Detergent
	Wash Cycle: Detergent and bleach peroxide pumps
	Rinse Cycle: Sour and softener pumps

Then program as in normal formula mode, and you're done!



Summit E



```
F1 P1
000V0300
```

*This programming screen lets you assign pump volumes per formula. In this example, Pump 1 will deliver 300 ml of chemical whenever a Formula 1 load is in the module that Pump 1 is assigned to. D = Delay time prior to pumping after the batch transfer signal is received. V = Volume of chemical to be pumped.*

OLD



NEW



## Did You Know?

White and gray programmers are not interchangeable. The new Summit E has a power light and uses the gray programmer, while older, non-power light Summits use white programmers. The new gray programmer can be disconnected to run in Relay or TAFS modes, offers two-line formula names and can hold a master copy of your standard formulas and formula names so you can program a dispenser instantly and then just adjust dose volumes for machine size.

# ILS Max: Closing in on Dosing Precision

## New Automatic Formula Select (Automatic Formula Selection) on ILS Max

In response to customer feedback requesting more automated laundry dispensing, Beta has developed Automatic Formula Selection (AFS) for ILS Max.

### What Does it Do?

Rather than the laundry operator selecting the formula, AFS, when enabled, allows a timed signal pulse that is applied to the AFS formula selection input to set the current formula. AFS can be used with any of ILS Max's triggering modes.



### How Does it Work?

Formula	Pulse Duration (seconds)
F1	5.5 - 6.5
F2	9.5 - 10.5
F3	13.5 - 14.5
F4	17.5 - 18.5
F5	21.5 - 22.5
F6	25.5 - 26.5
F7	29.5 - 30.5
F8	33.5 - 34.5
F9	37.5 - 38.5
F10	41.5 - 42.5
F11	45.5 - 46.5
F12	49.5 - 50.5
F13	53.5 - 54.5
F14	57.5 - 58.5
F15	61.5 - 62.5
F16	65.5 - 66.5

In the past, chemical volume and load type were determined and dosed based on a single, short trigger signal. The problem with this is that trigger signal length can vary some, and with this variation comes dosing inconsistency. To solve this problem we use a longer AFS trigger, so some trigger length variation can occur and the correct formula number will still be selected. The duration of the trigger applied is 4 seconds multiplied by the desired formula number, plus 2 seconds:

$$\text{Trigger (duration)} = (4 \times \text{formula\#}) + 2$$

Using this same arithmetic, you can see how a 66-second pulse selects formula 16, and a 122-second pulse selects formula 30. The formula is set two seconds after the pulse ends (pulses shorter than 6 seconds or longer than 122 seconds will not change the formula).

When using AFS with Formula or Latched triggering mode, the formula determines the type and amount of chemical fed as well as which load type is logged. When using AFS with other triggering modes, the formula affects only the load type that is logged. Note that this mode is not as impervious to trigger length variance as TAFS Mode on Summit E and XL. When installing an ILS Max using AFS, be sure to verify that the trigger length you program sets the correct formula number for both Formula 1 and the highest formula number you will use. If you select the wrong formula numbers, adjusting the AFS trigger duration on the washer will usually solve the problem. When timing is off on a washer that sets voltage via potentiometer, adjusting the potentiometer to fix the voltage may reduce timing variance (needs to be less than +/- 0.1V of target).



*New 5-port flush manifold*

## New Flush Manifold Released

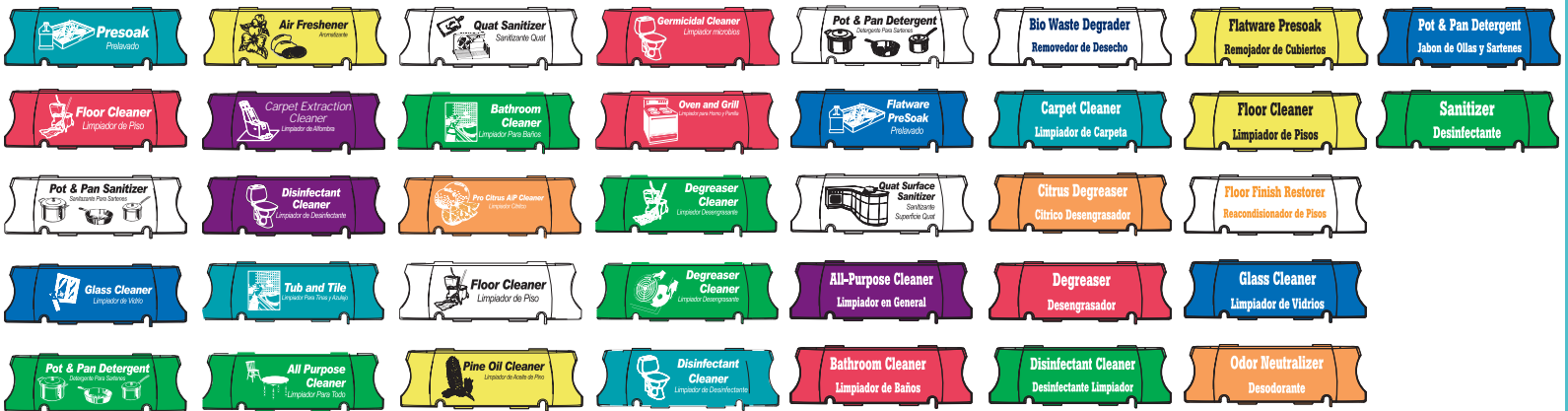
A few customers have experienced chemical attack on the Viton balls that are in the Summit E flush manifold check valves. If this happens to yours, you might want to try using check valve #094024 with the chemical causing the trouble. If the problem is occurring with several chemicals, use our new 5-port flush manifold, item #1207573, list price \$385. Like our other new manifolds released last year, it has plug-and-play mounting in under a minute with two screws and includes an inline filter and flow washer. The only difference is that it needs to be mounted with the check valves positioned over the manifold, pointing down into it.

# Still Looking Great, Inside and Out!

## BetaJet Custom Graphics Bands

BetaJet is not only an excellent proportioning system, but an excellent opportunity for you to shine. For just a \$200 setup fee per piece of artwork, Beta will create custom graphics bands with your company logo and/or product name to give you a customized dispenser program. Unlike other companies, Beta doesn't simply print stickers that will eventually fall off. We actually custom print your label directly onto the plastic band itself, ensuring quality and durability. We also offer process colors so that you can be sure to have uniform color on all of your BetaJet units.

If you would like to take advantage of this excellent opportunity, contact Beta's Customer Service Department, and Beta will work with you to create a custom label that you're happy with.



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Santa Cruz CA, 95060

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