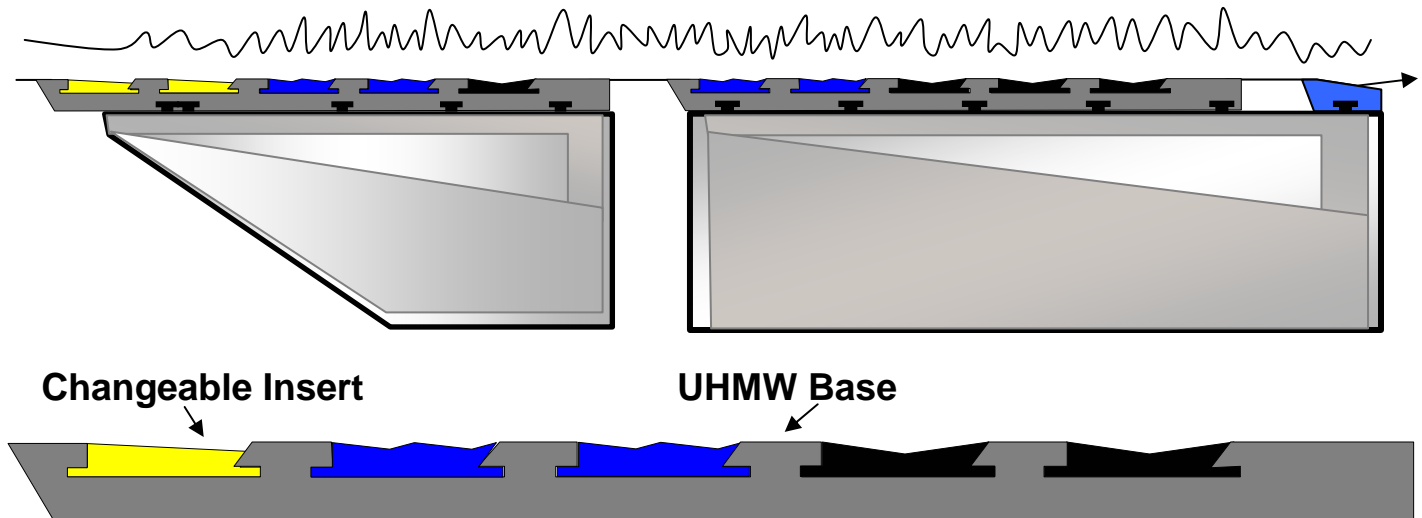


## OptiForm™

### Stock Activity Generation and Control System



***The OptiForm™ stock activity generation and control system is the most flexible and cost effective stock activity generation control system on the market today.***

#### **Most Flexible**

A variety of different inserts can be used to produce the correct type of stock activity in the correct location of your forming process. The design of the inserts determines the frequency that the stock gets pulsed at along with how much water gets introduced back into the sheet.

The inserts are also changeable on-the-run to accommodate different machine speeds and changes in your fiber furnish.

#### **Cost Effective**

A UHMW polyethylene base board is designed to slide onto the existing t-bars on any existing drainage structure. This base structure experiences little wear since all of the angled surfaces are the changeable inserts themselves. As the inserts wear they are replaced at a cost much lower than traditional stock activity generating foil blades due to a minimal amount of material and simple design.

**Coldwater Seals, Inc.**  
1396 Chattahoochee Ave.  
Atlanta, GA 30318  
Phone: (404) 344-0314  
Fax: (404) 344-0914

800 W. Kennedy Ave.  
Kimberly, WI 54136  
Phone: (920) 731-2248  
Fax: (920) 731-0870

[www.coldwatergroup.com](http://www.coldwatergroup.com)



# Drainage Elements

## How the Different Inserts Work

### Standard Insert



The Standard insert is the most powerful insert, this is because it has the longest pulse and a very abrupt trailing angle. The trailing angle also forces water back into the sheet. This insert is very beneficial for slower speeds and floccy air pad type headboxes. This insert is also targeted more for the forming board.

### MultiPulse Insert






The MultiPulse insert produces a higher pulse frequency resulting in smaller eddy currents which complement a small fiber furnish and hydraulic headboxes. This insert also forces a small amount of water back into the sheet. It is suited for the forming board and gravity foil sections.

### Agitator Insert



The Agitator insert provides a gentler pulse than the Angle or MultiPulse inserts due to its gradual trailing angle. This insert also forces the least amount of water back into the sheet which is beneficial for later sections of the table where disrupting the wire side of the sheet may have negative effects.

## Application Guidelines

APPLICATION GUIDELINES - INSERT DESIGN			
			
Air Pad Headbox	X	X	X
Hydraulic HB Within Design Flow Rates		X	X
Hydraulic HB Outside Design Flow Rates	X	X	X
Long Fiber Furnish Grades	X	X	
Short Fiber Furnish Grades		X	X
Pulse Frequency Generation (3=Highest)	1	2	3
Stock Activity Generation (3=Highest)	3	2	1
Water Reintroduction Potential (3 = Highest)	3	1	2

APPLICATION GUIDELINES - NUMBER OF OPTIFORM UNITS REQUIRED			
	Forming Board Only	Gravity Section Only	Forming Board and Gravity Section
Air Pad Headbox			X
Hydraulic HB Within Design Flow Rates		X	
Hydraulic HB Outside Design Flow Rates			X
High Headbox Consistency Grades	X		
Low Headbox Consistency Grades		X	X
Good Stock Activity After Forming Board	X		
Poor Stock Activity After Forming Board		X	X

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