



## *Sanitizing/Cleaning*



### ***Benefits of the Hydroblend Proportioner***

Accuracy - Our exclusive metering principle is the most accurate in the industry. We maintain this accuracy irrespective of changes in water flows. In most applications, our deviation is less than 1%

Easy to Install - The proportioner is water powered and can therefore be located near an isolated water source without electrical connections. The Hydroblend can be configured to mount on either a vertical or horizontal surface.

Repeatable Convenient Adjustment – An adjustable, graduated scale indicates the proportional settings in linear form. This setting is consistent and repeatable.

Reliability - Because the chemical components are isolated from the “water motor” all Hydroblend’s are application specific. We choose the combination of materials of construction that offer the greatest resistance to the chemicals being diluted.

The Lowest Life Cycle Cost - All of the components are designed for long life and trouble free operation. Quality and reliability are never compromised.

Hot Water Capable – All of our units can be configured to be hot water specific. With our “DMAC” Endplates the Hydroblend is rated up to 160F.

One Size Does Not Fit All - It has been frequently said of the Hydroblend, “it just runs and runs and runs”.

Lowest Life Cycle Cost- Accuracy + Durability = Outstanding Value

HYDROBLEND INTERNATIONAL CORPORATION

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www.hydroblend.com US Pat. # 4,279,229 \* US Pat. # 5,433,240 \* US Pat. # 6,485,272 B2



### **WHY HYDROBLEND:**

Hydroblend International Corp. is a manufacturer of precise, water powered chemical proportioning pumps. Heavy duty components and the ability to customize according to customer requirements assure a long and trouble free pump life.

### **HYDROBLEND BENEFITS:**

- Reduces chemical waste
- Improves proportioning accuracy
- Easy to install
- Reliable operation
- Non electrical
- Adjustable

### **PRINCIPLE OF OPERATION:**

Pressurized water drives a reciprocating piston in the water motor cylinder. This piston drives the chemical concentrate metering piston that draws concentrate from the drum and injects it into the water from the water cylinder.

### **HYDROBLEND APPLICATION:**

Hydroblend Proportioners are extensively used in the animal health industry to mix Lactic Acid, Iodine Teat Dip, PAA and a variety of other chemicals. Please call our Customer Service Department for a recommendation.

### **SPECIFICATIONS AND MODELS**

#### **Mounting Options:**

All units can be configured to mount on a horizontal or a vertical surface.

#### **Water Filtration:**

25 Micron filter required

#### **Water Pressure:**

Minimum 10 psi  
Maximum 75 psi

#### **Water Flow Rate:**

6000 Series – Max 7 GPM  
Mid Volume – Max 12 GPM  
High Volume – Max 25 GPM

#### **Dilution Range:**

6000 Series – Less than 1% - 35%  
Mid Volume – Less than 1% - 30%  
High Volume – Less than 1% - 26%  
Ratio varies with model.  
The mixture ratios presume chemicals with the approximate viscosity of water. A substantial increase in viscosity could reduce the proportioning specifications of the pump.

#### **Construction:**

All Hydroblend's are application specific. All models can be tailored to meet your specific concentrate requirements. "One size size does not fit all."

#### **Recommended Models:**

6005-K-PA,DMAC  
6005-PVC-E  
6010-PVC-E  
6015-PVC-E  
6020-PVC-E  
MV6003-K-PA,DMAC  
MV6006-PVC-E  
HV6002-PVC-E

#### **Inlet/Outlet Connections:**

The proportioner is designed to be used with 3/4" Garden Hose connections for both the water inlet and outlet. NPT adapters available.

#### **Water Temperature:**

Standard – Up to 110F (43C)  
Hot Water Specific – Up to 160F  
\* Includes DMAC Endplates

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## **RECOMMENDED HYDROBLEND MODELS**

### **High Dilution Cleaners**

6005-PVC-E (Max 0.5oz/gallon)  
6010-PVC-E (Max 1oz/gallon)  
MV6003-PVC-E (Max 0.32oz/gallon)

### **Conveyor/Chain Lubricants**

6040-PVC-V (Max 4oz/gallon)  
MV6050-PVC-V (Max 5oz/gallon)

### **Lactic Acid**

6040-HDPE-TTE,DMAC (Max 4oz/gallon)  
6080-HDPE-TTE,DMAC (Max 8oz/gallon)  
MV6080-HDPE-TTE,DMAC (Max 8oz/gallon)

### **Peracetic Acid**

6005-K-PA,DMAC (Max 0.5oz/gallon)  
MV6003-K-PA,DMAC (Max 0.32oz/gallon)

### **Chlorine Dioxide – Dairy Cow Treatments**

6160-PVC-V (Teat Dip 1:9)  
6470-PVC-V (Teat Dip 1:3, 1:5, 1:9 and 1:19)  
093-AIRFP6100-DI-PVC-V (Dual Injection 1:1)

### **Chlorine/Bleach**

6005-HDPE-V,BLE (Max 0.5oz/gallon)

### **Floor Scrubber Fill Station**

6040-PVC-E (Max 4oz/gallon)

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