

HYDRO • BLEND® Quantum Mixing Systems

Udder Hygiene on Demand

The Hydroblend Quantum Mixing System is completely water driven, therefore no electricity is required. Incorporating our patented Hydroblend Proportioner, the Quantum System will accurately dilute and dispense udder hygiene chemistries on demand, and plumb it directly to the parlor. The system is compatible with spraying or foaming applications, and can also be used to fill a dip cup.



Precision components and design flexibility provide the ability to customize a system according to customer requirements. Quality, reliability and accuracy are never compromised.

Features and Benefits

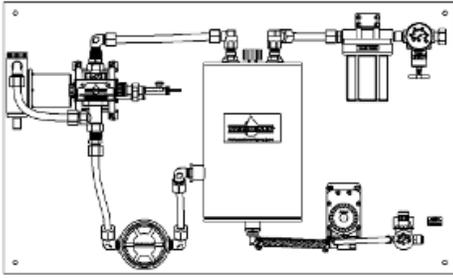
- Heavy Duty Stainless Steel Construction
- Superior Chemical Compatibility
- Water Driven - No Electricity Required
- Easy Installation
- Mix One or Two Chemicals
- Wide Range of Dilutions
- Adjustable or Fixed Dilution
- Reduces Chemical Waste

Quantum Models

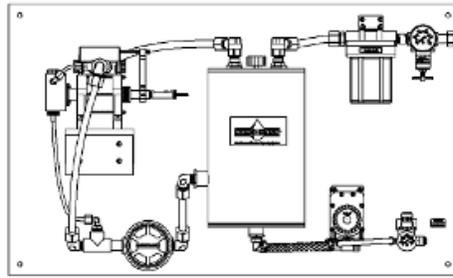
Application	Viscosity	Model	Max Dilution	Min Dilution
Iodine	To 700 SUS @ 100F	062-6470-PVC-V	1:3	1:30
		062-6160-PVC-V	1:8	1:80
Chlorine Dioxide	Low	062-6040-DI-HDPE-V	4oz/gallon	0.4oz/gallon
		062-6080-DI-HDPE-V	8oz/gallon	0.8oz/gallon
		062-6200/6010-HDPE-V	20oz/gallon	1oz/gallon
Emollient	Varies	All Quantum systems can be built with an emollient upgrade		

For more information on any our units, please contact our Customer Service Department at (208) 375-5000.

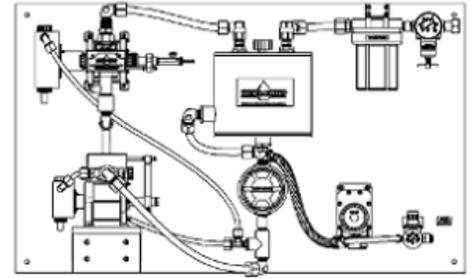
Hydroblend Recommended Systems



Model # 062-6470-PVC-V *
 Application: Iodine
 Dimensions: 24" x 40"



Model # 062-6040-DI-HDPE-V *
 Application: Chlorine Dioxide
 Dimensions: 24" x 40"



Model # 062-L6160-F6061-DI-PVC-V *
 Application: Emollient Upgrade
 Dimensions: 24" x 40"

**Each of the Hydroblend Systems listed above are configured with materials that will ensure long-term chemical compatibility. Please call our customer service team to find the materials best suited for your application.*

How It Works

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.

Proportioner Specs

Water Temperature: 105F (Hot Water Models Available)

Water Filtration Requirement: 25 Micron

Water Pressure: 20-75 psi (1.3 - 5 bar)

Inlet/Outlet Connections: 3/4" Garden Hose (NPT Adapters Available)

Mounting Options: Horizontal or Vertical

Included Installation Accessories: Water Pressure Regulator, Water Filter, Mixing Chamber



Additional Hydroblend Dairy Solutions:

- Chlorine Dioxide
- Iodine
- Emollient/Skin Conditioner
- CIP
- Hydrogen Peroxide
- Chlorine/Bleach
- Batch Mixing
- Hot Water Applications