



Metalworking Mixing Systems

Why Hydroblend?

Your Metalworking concentrates will perform as intended only if it is diluted properly. A consistent and accurately diluted effluent will reduce waste, extend tool life, improve surface finish, and optimize sump life. Hydroblend's broad line of volumetric proportioners will ensure an accurate dilution for every application, every time.



Features and Benefits

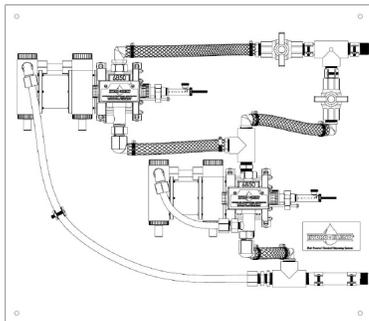
- Heavy Duty Stainless Steel Construction
- Superior Chemical Compatibility
- Water Driven - No Electricity Required
- Unequalled Accuracy
- Easy Installation
- Adjustable or Fixed Dilution
- Reduces Chemical Waste
- High Viscosity Units Available
- Hot Water Capable (*Rated up to 165F*)
- Wide Range of Dilutions

Metalworking Models

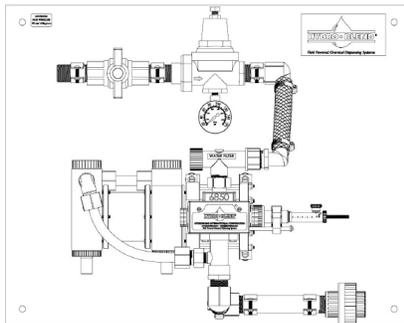
Application	Viscosity	Model	Max Dilution	Min Dilution
Cutting & Grinding Fluids	Low	6120-A-V	1:10	1:100
		6180-A-V	1:7	1:70
Soluble Oils	To 300 SUS @ 100F	6200-A-V	1:6	1:60
		6260-A-V	1:5	1:50
Soluble Oils	To 700 SUS @ 100F	6320-A-V	1:4	1:40
		6470-A-V	1:3	1:30
		6850-A-V	1:1.5	1:15
Metal Forming Compounds <i>*Product Evaluation Required</i>	To 6,000 SUS @ 100F	087-6470-A-V	1:3	1:30
		086-6850-A-V	1:1.5	1:15
		057-FL6850/6850-A-V	1:1	1:15

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

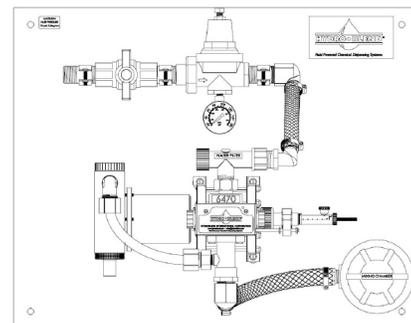
Hydroblend Recommended Systems



Model # 057-FL6850/6850-A-V *
 Dilution Range: 1:1 - 1:15
 Dimensions: 28" x 32"
 Optional Upgrades: Solenoid Shut Off



Model # 086-6850-A-V *
 Dilution Range: 1:1.5 - 1:15
 Dimensions: 19" x 24"
 Optional Upgrades: Solenoid Shut Off



Model # 087-6470-A-V *
 Dilution Range: 1:3 - 1:30
 Dimensions: 19" x 24"
 Optional Upgrades: Solenoid Shut Off

**Each of the Hydroblend Systems listed above are configured with an Acrylic Pump Head & Viton Seals (A-V). For heavily chlorinated products we recommend an Acrylic Pump Head & Teflon Seals (A-TFE). Each system listed above can be built according to your specific dilution requirements. Proportioner model may vary.*

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: 10-75 psi (0.6 - 5 bar)

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

Mounting Options: Horizontal or Vertical

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



Additional Hydroblend Metalworking Solutions:

- Cutting and Grinding Fluids
- Forging and Drawing Compounds
- Soluble Oils
- Parts, Washers & Vibratory Finishing
- Alkaline Cleaners