



## High Performance Coolants and Cutting Oils

- Provides outstanding performance
- Low odor
- Long lasting
- High quality standards results in consistent reliable performance
- No disproportionate depletion of additives so none are required
- Safe for people who use it and for the environment
- Reach compliant
- Available in 5 gallon pails, 55 gallon drums or totes. When ordering, specify quantity in gallons, 5 gallon minimum



### Coolants

Part #	Item #	Material Compatibility					
		Aluminum Alloys	Carbon Steel	Magnesium Alloys*	Nickel Alloys	Stainless Steel	Titanium
RC1000	1	●●	●	●	●●	●●	●
RC1500	2	●●	●	●	●●	●●	●
RC2000	3	●	●●	●	●	●	●
RC2500	4	●●	●	●	●	●	●
RC2500 Heavy	5	●	●	●	●●	●●	●●

● = Recommended ●● = Highly Recommended

\* As with all magnesium, extreme caution must be maintained when using water based fluids

### Cutting/Machining Oils

Part #	Item #	Stock Diameter			Material Compatibility					
		<0.25"	0.25-0.75"	>0.75"	Brass	Carbon Steel	Copper	Nickel Alloys	Stainless Steel	Titanium
RO22	6	●●	●●	●●	●●	●●	●●	●	●●	●
RO20BC	7	●●	●●	●●	●●	●	●●	●	●	●
RO412	8	●●	●	●	●●	●●	●●	●●	●●	●●
RO428	9	●	●●	●	●	●●	●	●●	●●	●●
RO840	10	—	●	●●	●●	●	●	●●	●●	●●

● = Recommended ●● = Highly Recommended

### Grinding Oils

Part #	Item #	Stock Diameter			Material Compatibility					
		Flute	Edge	Surface Profile	Carbide	Ceramic	Cement	CBN	PCD	HSS
RG7	11	●●	●●	●●	●●	●●	●●	●●	●●	●●

● = Recommended ●● = Highly Recommended



### Coolant Concentration/Mixing Ratios

Part #	Actual %*	General Purpose Machining		Heavy Machining	
		Start up	Top Off	Start up	Top Off
RC1000	RR x 1.0	10% mixing ratio = 10% RR	6% mixing ratio = 6% RR	14% mixing ratio = 14% RR	8% mixing ratio = 8% RR
RC1500	RR x 1.0	10% mixing ratio = 10% RR	6% mixing ratio = 6% RR	14% mixing ratio = 14% RR	8% mixing ratio = 8% RR
RC2000	RR x 1.82	6% mixing ratio = 3.5% RR	2% mixing ratio = 1% RR	10% mixing ratio = 5.5% RR	3% mixing ratio = 2% RR
RC2500	RR x 1.89	6% mixing ratio = 3.5% RR	2% mixing ratio = 1% RR	10% mixing ratio = 5.5% RR	3% mixing ratio = 2% RR
RC2500 Heavy	RR x 2.10	8% mixing ratio = 4% RR	2% mixing ratio = 1% RR	12% mixing ratio = 5.5% RR	3% mixing ratio = 1.5% RR

\*RR = Refractometer Reading



### Basic Optical Refractometer

- Refractometer range 0-32 Brix
- Prism aperture lets in a lot of light
- Diamond-knurled sleeve for good gripping
- Comfortable eyepiece with adjustable focus for easy reading
- Auto temperature compensation for shop areas with varying temperature
- Average use accuracy range
- Carrying case with sampler included

### Basic Optical Refractometer

Part #	Item #	Brix Scale	Numbered Graduation	Accuracy	Weight	Dimensions
OPT32	1	0-32	Fifths	± .10%	9.3 oz	1.5" ø, 7" long



### Flat Belt Oil Skimmer

- 1" Wide Belt Skimmers for Use with Metalworking Coolants and Wastewater Applications.
- 5" Belt Reach, flat polyurethane belt
- Steel stabilizer bar holds tail pulley in place
- Dependable, quiet permanent magnet motor
- Choice of 1 quart (ltr) or 1 gallon (4 ltrs) per hour
- Small size - fits almost anywhere
- 115V, single-phase 60 Hz
- 1 year warranty - 90 days on belts

### Flat Belt Oil Skimmer

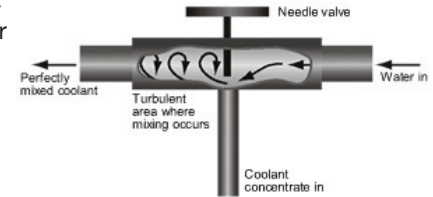
Part #	Item #	Type	Reach	Collection Rate
37802	2	Flat	5"	1 quart (ltr) or 1 gallon (4 ltrs) per hour





## Economy Mixer

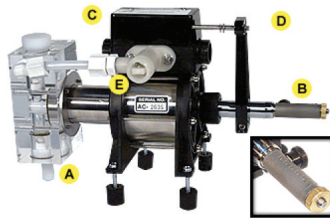
- This economy mixer properly mixes coolant emulsions and maintains a consistent concentration for increased sump and tool life
- The design of the economy mixer (see diagram at right) enables it to have a high degree of reliability and precision
- 14 metering tips for specific ratios
- Maximum viscosity of 500 SUS
- 30 day warranty only
- 48" discharge tube included (max length for delivery)



## Economy Mixer

Part #	Item #	GPM	Mixing Range %*		Max. Delivery	Range PSI	Fittings, NPT		Application
			Low	High			In	Out	
MIX05120	1	4.8	.25	22.2	48"	25-75	3/4" GHT	1/2" NPT	Barrel

\* Economy mixer is supplied with 14 various size tips within above range.



## Mixing Pump

- Perfectly mixed coolant at EVERY use
- Delivers mix through hose or conduit right to your machine
- No need to verify concentration once initially determined
- Compact with few moving parts
- Can be permanently mounted to wall
- Maximum viscosity of 700 SUS
- 800' lateral max delivery, 20' vertical max delivery
- One year warranty with purchase of prepump water filter (#MIXPPX75)
- Units available for other wall mount configurations

**HOW THE PUMP WORKS:** Your coolant is drawn in through the bottom port (A) and metered by the adjustable screw (B) for a constant amount of water being drawn in through the fitting (C) on the other side. The entire arm (D) moves back and forth so that your coolant is being injected into the water stream. The mixing occurs at the exit fitting (E), and proceeds to your coolant sump. You can watch what is being drawn in the clear coolant block, and you know the unit is working perfectly by seeing the draw arm moving.

## Mixing Pump

Part # <sup>1</sup>	Item #	GPM	Mixing Range %		Mixing Ratios*		Max. Delivery <sup>2</sup>	Range PSI	Fittings, NPT		Application <sup>3</sup>
			Low	High	Low	High			In	Out	
MIXPP518	2	7	1.4	12.3	1:71	1:8	800'	10-75	3/4"	3/4"	Pail, Barrel, Tote

<sup>1</sup> For wall mount configuration, add "(VM)" to end of part number

<sup>2</sup> The proportioning pump can also pump the mixture a vertical distance of 20' utilizing a pressure regulating valve

<sup>3</sup> Unit is supplied with intake hose to meet this container type

## Mixing Pump Accessories

Part #	Item #	Description
MIXPPX75	3	Prepump water filter for proportioning pump protection, 20µ (required to maintain warranty)
MIXXWL.1	4	Water limiter for proportioning pump protection
MIXXPRV.1	5	Pressure regulating valve (for applications with vertical delivery, ball valve discharge, or viscosities above 500 SUS)

