

CIMCOOL[®]

METALWORKING FLUIDS

For mixing synthetic, semi-synthetic, and soluble oil metalworking fluids

CIMCOOL[®] METALWORKING FLUID MIX STATION

UPC Code 66250502874

The CIMCOOL[®] Metalworking Fluid Mix Station provides two dilutions of a single metalworking fluid concentrate for the “charging” or “makeup” of a machine sump. It uses two water powered venturi proportioners, one for “charge” and one for “makeup.”



DESCRIPTION AND OPERATION

The CIMCOOL[®] Metalworking Fluid Mix Station is a simple and accurate method to control the concentration of charge and makeup solutions for a machine sump. A “charge” mix ratio is the concentration used to initially fill an empty sump. The “makeup” mix ratio is the concentration used to replace fluid losses due to carry-off and evaporation.

Poor concentration control of the charge and makeup solutions may result in several costly problems, such as decreased tool life and corrosion. The CIMCOOL[®] Metalworking Fluid Mix Station eliminates these problems by incorporating two proportioners. Two venturi proportioners are housed in the Mix Station cabinet which siphon metalworking fluid concentrate. The two buttons on the cabinet, corresponding to a charge and makeup mix, dispense the water and concentrate mix when depressed. A twist-to-lock feature on both buttons allows the button to be locked in the depressed position, providing continuous dispensing when filling large containers.

Siphon breakers are provided to prevent the back-flow of metalworking fluid concentrate into the water supply line. Check valves are provided in the concentrate supply line to maintain a primed supply line, and prevent the back-flow of water into the concentrate supply.

The two dilutions may be adjusted by changing the metering tips in the venturi proportioners. Once the charge and makeup metering tips are set, no further adjustment is necessary. To dispense, depress the button of whichever solution is desired.

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FEATURES AND BENEFITS

Simple and consistent concentration control:

No more trial-and-error mixing and stirring! Once Charge and Makeup concentrations are set, depressing one of the Mix Station buttons dispenses the same fluid concentration every time. No longer will operators need to adjust concentrations. Just depress the appropriate button for charge or makeup.

Eliminates poor concentration control problems such as:

Corrosion Poor surface finish Residue
Poor tool life Foam Rancidity

Virtually maintenance-free:

Water-powered venturi requires no adjustments. Few moving parts - Rugged design

Inexpensive:

The savings associated with eliminating concentration control problems easily justify the purchase of a MIX STATION for every machine tool user.

Compact:

No valuable floor space is required. The mix station may be mounted on a wall or support beam, over a filling station.

SPECIFICATIONS

Flow Rate: 3.5 Gallons/minute (13.25 liters/min) at 25 psig (1.7 bar) water pressure

Concentration Range: 1 to 10% nominal range

Utilities: Minimum 1/2-inch water supply line
Minimum 25 psig (1.7 bar) pressure, with water running, max. 85 psig

Dimensions: 10.5"x4.5"x7.0" (Length x Width x Height)

Shipping Weight: 12 pounds (Approx.)

Metering Tips: One kit containing 15 tips is included with unit

PC-3200 3/5/02

