

# 105HC Acid Mixing Station

MODEL # 980107

## OVERVIEW

The 105HC Acid Mixing Station has a water flow rate of 1 GPM @ 40 PSI and is a "high concentrate" chemical proportioner for diluting highly corrosive chemicals, such as those used to remove concrete and for aluminum brightening. This acid-resistant venturi injection system uses city water pressure (40 - 80 PSI) to draw and blend a high concentration of acid into the water stream to create up to a 1:1 ratio. Ball valve activation allows for hands-free dispensing into any sized container.

## Key Features

- Eliminates manual mixing and optimizes chemical utilization, employee safety and labor efficiency
- Achieves strong dilution ratios, up to 1:1 (with water thin chemicals)
- Weaker ratios controlled by precision metering tips & plugs
- Water flow rate (1 GPM @ 40 PSI) for filling smaller containers and equipment
- Ball valve activation allows for hands-free dispensing
- Corrosion-resistant wetted components ensure years of outstanding performance with minimal maintenance
- Industrial-strength design holds up in tough environments
- Draws chemical concentrate from any sized container
- Available with a higher flow rate (#980208)
- See other chemical management systems in [Catalog 9](#)

## Includes

- Polypropylene mounting bracket and cover
- PVC inlet ball valve
- Machined polypropylene injector body
- 20 color-coded precision metering tips to set dilution ratios
- 2 metering plugs to set 2:1 & 3:1 dilution ratios
- 10' open flow discharge hose

## OPTIONS

### Stainless Steel Hose Racks

Small Stainless Steel Hose Rack # 224145

### Stainless Steel Jug Racks

2 ½ Gal. (8 ½" x 10 ½") # 224210

5 Gallon (12" x 12") Round/Square # 224215

### Drum & Tote Stick Lengths & Seal Materials

Drum Stick, 33" (Viton or EPDM) # 491643 / 491643-E

Drum Stick, 48" (Viton or EPDM) # 491648 / 491648-E

Drum Stick, 54" (Viton or EPDM) # 491645 / 491645-E

Tote Stick, 33" (Viton or EPDM) # 491653 / 491653-E

Tote Stick, 48" (Viton or EPDM) # 491654 / 491654-E

Tote Stick, 54" (Viton or EPDM) # 491656 / 491656-E

## APPLICATIONS

- Concrete
- Food & Beverage
- Industrial
- Metal Processing
- Pharm/Bio
- And Many Other Applications!



## REQUIREMENTS

### Chemical Concentrate

#### Water

Temperature up to 160°F  
Pressure 40 to 80 PSI  
Flow 1 GPM @ 40 PSI  
Supply Line 1/2"

#### Hose

1/2" ID x 10'

#### Dilution Ratio Range

229:1 to 1:1 @ 40 PSI