

# 105HC Mixing Station

MODEL # 980105

## OVERVIEW

The 105HC Mixing Station has a water flow rate of 1 GPM @ 40 PSI and is a "high concentrate" chemical proportioner for filling smaller sized containers with strong solutions. This venturi injection system uses city water pressure (40 - 80 PSI) to draw and blend a high concentration of chemical into the water stream to create up to 1:1 dilution ratios. Ball valve activation allows for hands-free dispensing.

## Key Features

- Achieves strong dilution ratios, up to 1:1 (with water thin chemicals)
- Weaker ratios controlled by precision metering tips & plugs
- Water flow rate of 1 GPM @ 40 PSI for filling smaller containers and equipment
- Eliminates manual mixing and optimizes chemical utilization, employee safety and labor efficiency
- Ball valve activation allows for hands-free dispensing
- Chemical 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 (#980207)
- See other chemical management systems in [Catalog 9](#)

## Includes

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

## OPTIONS

### Stainless Steel Hose Racks

Small Stainless Steel Hose Rack # 224145

### Stainless Steel Jug Racks

Jug Rack, SS, 1 Gallon, Round/Square # 224200

Jug Rack, SS, 2 1/2 Gallon # 224210

Jug Rack, SS, 5 Gallon, Round/Square # 224215

### Alternate Check Valve - Viton Standard

Check Valve, Chemical, PP, 1/2" HB (EPDM) # 491403

## APPLICATIONS

- Agriculture/Horticulture
- Animal Health
- Food & Beverage
- Hatchery
- Industrial
- Janitorial/Sanitation
- 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