

# 3-Way High Volume Mixing Station

MODEL # 985838

## OVERVIEW

The 3-Way High Volume Mixing Station is a 9.9 GPM @ 40 PSI chemical proportioner for accurately diluting 3 chemical concentrates to the required ratios and for quickly filling large containers with diluted, ready-to-use chemical solutions. This venturi injection system uses standard city water pressure (35 - 125 PSI) to draw and blend chemical concentrates into the water streams to create accurately diluted solutions. Ball valve activation allows for hands-free dispensing.

## Key Features

- Eliminates manual mixing and optimizes chemical utilization, employee safety and labor efficiency
- Ball valve activation allows for hands-free dispensing
- Quickly fills floor scrubbers, tank foamers/sprayers or any large container at 9.9 GPM @ 40 PSI to minimize downtime - fills a 20 gallon tank in 2 minutes!
- Chemical resistant wetted components ensure years of outstanding performance with minimal maintenance
- Dilution ratios controlled with precision metering tips
- Draws chemical concentrates from any sized containers
- Optional trigger guns or ball valves & wands
- Optional 2nd chemical pickup tube for stronger dilution ratios or more viscous chemicals (#491404-A)
- Available for 1 or 2 chemicals (#985835, 985837)
- See other chemical management systems in [Catalog 9](#)

## Includes

- Stainless steel mounting bracket
- Stainless steel activation ball valves
- Machined polypropylene injector bodies
- 20 color-coded precision metering tips to set dilution ratios
- (3) 10' open flow discharge hoses with 1/2" MPT hose-end fittings for optional attachments

## OPTIONS

### Stainless Steel Hose Racks

Small Stainless Steel Hose Rack # 224145

### Stainless Steel Jug Racks

2 ½ Gallon (8 ½" x 10 ½") # 224210

5 Gallon Round/Square Locking (12" x 12") # 224214

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

### For Stronger Ratios or Viscous Chemicals

1/2" Chemical Pick-up Assembly (Viton) # 491404-A

1/2" Chemical Pick-up Assembly (EPDM) # 491403-A

### Alternate Chemical Check Valve - Viton Standard

Check Valve, Chemical, PP(W), 1/4" (EPDM) # 491401

### Hose & Trigger Gun

Hose, Blue, 3/4" x 25', 1/2" MPT # 803725

Trigger Gun, PP-V # 320800

### Hose, Ball Valve & Wand

Hose, Blue, 3/4" x 25', 1/2" MPT # 803725

Ball Valve, SS, 1/2" FM # 413641RH

Wand, PP # 536603



## REQUIREMENTS

### Chemical Concentrate

#### Water

|             |                  |
|-------------|------------------|
| Temperature | up to 160°F      |
| Pressure    | 35 to 125 PSI    |
| Flow        | 9.9 GPM @ 40 PSI |
| Supply Line | 3/4"             |

#### Hose

3/4" ID x 10'

### Dilution Ratio Range @ 40 PSI

|                       |                  |
|-----------------------|------------------|
| 985838                | 2,263:1 to 9.3:1 |
| With Dual Pick-up Kit | 9:1 to 4.7:1     |

## APPLICATIONS

- Filling Floor Scrubbers and Tank Foamers
- Agriculture/Horticulture
- Food & Beverage
- Industrial
- Janitorial/Sanitation
- Metal Processing
- Pharm/Bio
- Supermarkets
- And Many Other Applications!

**Lafferty**  
EQUIPMENT MANUFACTURING LLC

1.501.851.2820 | 1.800.999.2820

www.laffertyequipment.com