

1-Way Ball Valve SS Mixing Station

MODEL # 985100SS

OVERVIEW

The 1-Way Ball Valve SS Mixing Station is a solvent-resistant, ASSE 1055 certified chemical proportioner that accurately dilutes chemical to the required ratio and dispenses into any size container. This stainless steel venturi injection system uses city water pressure (25 - 125 PSI) to draw and blend chemical concentrate into the water stream and precision metering tips to set the dilution ratio for each valve. Ball valve activation allows for hands-free dispensing. Choose a factory-set flow rate at the time of order (Low Flow or High Flow).

Key Features

- Eliminates manual mixing and optimizes chemical utilization, employee safety and labor efficiency
- Ball valve activation allows for hands-free dispensing
- Stainless steel injector body and solvent-resistant wetted components ensure durability and years of outstanding performance with minimal maintenance
- Water pressure gauge eliminates guessing, reduces set-up time and helps with troubleshooting
- Dilution ratio controlled with precision metering tips
- Draws chemical concentrate from any sized container
- Choice of left or right side water inlet
- Choice of flow rates for filling small to large containers
 - Please specify the flow rate when ordering
 - Low Flow (LF) or High Flow (HF)
- Certified to ASSE Standard 1055 for backflow prevention
- Available with a polypropylene injector (#985100)
- See Lafferty chemical management systems in [Catalog 9](#)

Includes

- Stainless steel mounting bracket
- Activation ball valve
- Stainless steel injector body
- Kalrez chemical check valve
- Integrated brass hose connection vacuum breaker
- Easy-to-read water pressure gauge for accurate tip selection
- 20 color-coded precision metering tips to set dilution ratios
- Polyurethane chemical pick-up and discharge tubes
- 6' chemical suction tube with strainer
- 6' open flow discharge tube

OPTIONS

Stainless Steel Jug Racks

| | |
|---|------------|
| 1 Gallon Round/Square | # 224200 |
| 1 Gallon Round/Square Locking | # 224200-L |
| 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 |

Safe Flow Lid™ for 1 Gallon Jugs

| | |
|---------------------------------|----------|
| Lid, Suction Tube, and Strainer | # 709101 |
|---------------------------------|----------|

Alternate Check Valve - Kalrez Standard

| | |
|--|------------|
| Check Valve, Chemical, SS, EPDM, 1/4" | # 491324 |
| Check Valve, Chemical, SS, Viton, 1/4" | # 491324-V |

Jumper Hose with GH Fittings (10')

| | |
|---------------------------|-----------|
| GH Hose, Blue, 1/2" x 10' | # 804410B |
|---------------------------|-----------|

Red, Blue, Green & Yellow Ball Valve Handles

413511RED, 413511BLU, 413511GRN, 413511YLW

APPLICATIONS

- Solvents
- Food & Beverage
- Industrial
- Pharm/Bio
- And Many Other Applications!



REQUIREMENTS

Chemical Concentrate

Water

| | |
|-------------|--------------|
| Temperature | up to 160°F |
| Pressure | 25-125 PSI |
| Supply Line | 1/2" Minimum |

Flow

| | |
|-----------|-------------------|
| High Flow | 4.0 GPM @ 40 PSI |
| Low Flow | 1.95 GPM @ 40 PSI |

Dilution Ratio Range @ 40 PSI

| | |
|-----------|--------------|
| High Flow | 914:1 to 9:1 |
| Low Flow | 446:1 to 4:1 |

