1-Way Ball Valve Mixing Station

MODEL # 985100











OVERVIEW

The 1-Way Ball Valve Mixing Station is an ASSE 1055 certified chemical proportioner that accurately dilutes chemical to the required ratio and dispenses into any size container. This 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. Ball valve activation allows for hands-free dispensing. Choose a factory-set flow rate at the time of order (Bottle Fill, Low Flow, High Flow).

Key Features

- 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
- 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
- Mixing stations can be plumbed in series
- Choice of flow rates for filling small to large containers
  - Please specify the flow rate when ordering
  - Bottle Fill (**BF**), Low Flow (**LF**), High Flow (**HF**)
- Certified to ASSE Standard 1055 for backflow prevention
- Available with a stainless steel injector (#985100SS)
- Available with foot-lever for hands-free operation (#985103)
- See Lafferty chemical management systems in Catalog 9

Includes

- Stainless steel mounting bracket
- Activation ball valve
- Polypropylene injector body
- Integrated brass hose connection vacuum breaker
- Easy-to-read water pressure gauge for accurate tip selection
- 20 color-coded metering tips for setting dilution ratios
- 6' chemical suction tube with strainer
- Open flow discharge tube (4.5' for LF/HF, 1' for BF)



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
Jumper Hose with GH Fittings (10')	
GH Hose, Blue, 1/2" x 10'	# 804410B
Safe Flow Lid™ for 1 Gallon Jugs	
Lid, Suction Tube, and Strainer	# 709101
Alternate Chemical Check Valve - EPDM Standard	
Check Valve, Chemical, PP, 1/4" (Viton)	# 491402

Red, Blue, Green & Yellow Ball Valve Handles
413511RED, 413511BLU, 413511GRN, 413511YLW

REQUIREMENTS

Chemical Concentrate

Water	
Temperature	up to 160°F
Pressure	25-125 PSI
Supply Line	1/2" Minimum
Flow	
High Flow (Black Injector)	4.0 - 7.3 GPM
Low Flow (White Injector)	1.9 - 3.4 GPM
Bottle Fill (Blue Injector)	0.6 - 1.0 GPM
Dilution Ratio Range @ 40 PSI	
High Flow	1,031:1 to 4.8:1
Low Flow	480:1 to 3.5:1
Bottle Fill	142:1 to 1.7:1

APPLICATIONS

- Agriculture/Horticulture
- Animal Health
- Vehicle Wash
- Food & Beverage
- School Hygiene
- Industrial
- Janitorial/Sanitation
- Supermarkets
- And Many Other Applications!

Lafferty
EQUIPMENT MANUFACTURING LLC
CFS TECHNOLOGIES
1.501.851.2820 | 1.800.999.2820
www.laffertyequipment.com