

---

# USER MANUAL

**MODEL NUMBER:  
MS-2P**

**DUAL MIXING STATION - Ratio of 1:1:10  
to 1:1:20 (Part A:Part B: Water)**

**WARNING: UNIT DOES NOT INCLUDE  
A BACKFLOW PREVENTER, WHEN  
INSTALLING UNIT REFER TO LOCAL  
PLUMBING CODES.**

---

**English (Original Instructions)**

---

## READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT



# WARNING



### Read this manual completely and understand the machine before operating or servicing it.

1. Always wear protective clothing, gloves, and eyewear while operating or servicing unit.
2. Avoid contact of cleaning agent with skin and eyes. If contact occurs, see SDS sheet for further first aid measures.
3. Follow safety instructions of chemical manufacturer (SDS).
4. Never point the discharge wand at anyone.
5. UNIT DOES NOT INCLUDE A BACKFLOW PREVENTER, WHEN INSTALLING UNIT REFER TO LOCAL PLUMBING CODES.
6. Only use with cold water.

### PROTECT THE ENVIRONMENT

Please dispose of packaging materials, old machine components, and hazardous fluids in an environmentally safe way according to local waste disposal regulations.



Always remember to recycle.

\*Specifications and parts are subject to change without notice.

### Operation Instructions:

This system is designed to accurately blend two chemicals and dilute with water.

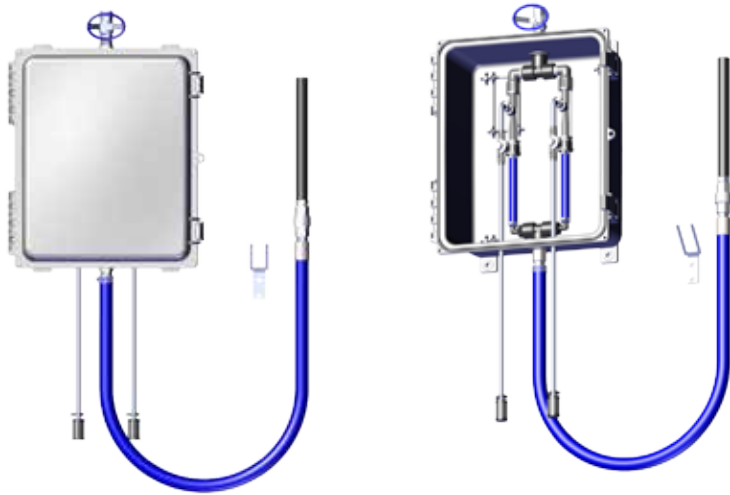
1. Determine where the two chemical drums will be located.
2. Mount the MS-2P on the wall using the included wall anchors.
3. Mount the Fill Wand Holder to the wall using the included wall anchors.
4. **Connect the water source to the MS-2P's water inlet using an approved backflow preventer.**
5. Insert a chemical pick-up line into each drum.
6. Open the MS-2P and adjust the meter valves to the same value. The maximum setting is recommended for a 1:1:10 dilution ratio. Refer to chart for dilution ratio. NOTE: THAT ALL DILUTION RATIOS WILL VARY BASED ON VISCOSITY. THE CHART ASSUMES THE PRODUCT VISCOSITY IS 1CP. WATER VISCOSITY = 1 CP. It is recommended to confirm proper dilution by titration.
7. Place the Fill Wand into the container to be filled.
8. Turn water on and begin filling the container. Check to make sure chemical is being drawn through the chemical pick-up lines.
9. Once both chemicals are flowing through the chemical pick up lines, turn the system off and return the Fill Wand to the Wand Holder.

**READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT**

Injector Performance Table								
Injector Model: PI384X								
Operating Pressure PSIG		Water Suction		Operating Pressure PSIG		Water Suction		
Injector Inlet	Injector Outlet	Water Flow GPM	Chemical Suction fl. oz./min.*	Injector Inlet	Injector Outlet	Water Flow GPM	Chemical Suction fl. oz./min.*	
15	0	1.2	55.4	45	0	2.1	67.8	
	5		23.4		5		63.2	
	7		8.2		10		61.4	
	10				15		37.8	
	12				20		22.0	
20	0	1.4	59.2		25			2.8
	5		34.2		30			
	10		6.0		35			
	12				0		67.6	
	15				5		65.4	
25	0	1.6	66.2	50	10	2.2	63.4	
	5		44.8		20		50.6	
	10		22.4		25		30.4	
	15				30		13.4	
	20				35			
					40			
30	0	1.7	67.6	60	0	2.5	68.6	
	5		49.2		5		68.4	
	10		34.6		10		68.0	
	15		13.8		15		63.8	
	20				20		48.2	
	25				30		18.2	
35	0	1.9	67.4		35			3.0
	5		58.0		40			
	10		38.2		45			
	15		21.4		0			
	20				5		70.2	
	25				10		71.6	
40	0	2.0	67.8	70	15	2.6	69.4	
	5		63.0		20		65.8	
	10		48.2		30		61.4	
	15		28.4		40		35.8	
	20		7.0		45		6.8	
	25				50			
	30				55			

\* Injection rates will vary based on chemical viscosity and many other factors. We recommend testing unit output to verify injection rate prior to use.

**READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT**



ITEM NUMBER	DESCRIPTION
CV12F7-AP	1/2 CHECK VALVE 7 LB SPRING - HASTELLOY SPRING - EP SEALS - ACID PROOF - BLK/WHT CHK
F34SS-L	SS CRIPM FERRULE 1.90inches X 1.5 inches LONG
FDC-BRKT	WALL MOUNT HANGING BRACKET
FWP78	7/8in BY .137 BY 1 1/4in FLATWASHER 18-8 PLN
H34B-H	3/4 INCH BLUE HOSE - Available per ft.
H38B-H	3/8 INCH BLUE HOSE - Available per ft.
HBEL1238	HOSE BARB ELBOW 1/2 X 3/8
HBF3812	HOSE BARB 3/8 X FEMALE PIPE THREAD 1/2 IN
HBSS1234	STAINLESS HOSE BARB 1/2 X 3/4
HV60	1/2in STAINLESS BALL VALVE - w/ WELDED NUT
MV-25	METERING VALVE FOR MAZZEI INJECTOR WITH SUCTION LINE AND STRAINER
PB16138	POLYPROPYLENE CONTROL BOX - WORKING DIMS 16x13x8 - PUMP MOUNT
PB16138-GSKT	NEOPRENE GASKET 0.220 INCH ROUND CORD STOCK - 61.125 INCHES
PB16138-LATCH	LATCH FOR PB16138
PB16138-PIN	STAINLESS STEEL HINGE PIN FOR CONTROL BOX PB16138 - 1/8 x 4 3/4 x 1/2inches
PBFT-PP	MOUNTING FEET FOR POLYBOX - PB16138 - POLYPROPYLENE
PI384X	1/2IN POLY HIGH FLOW INJECTOR
PL16138	CONTROL BOX LID - POLYPROPYLENE - 16x13x8 - HINGED LOCKABLE LID
PN1212	1/2in MPT X 1/2in MPT POLY NIPPLE
PSE12	POLY STREET ELBOW - ARAG
PW10	3/4in BLACK POLY PRO X 10in - FPTBE - SCH.80
S1034FHL	10 X 3/4 PHIL FLAT HI-LO THRD SCREW 18-8
SN1212	1/2in HEX STAINLESS STEEL NIPPLE
SSA12	STAINLESS MALE/FEMALE S.S. ADAPTOR 1/2in BY 1/2in
SSC34	WORM GEAR CLAMP, S/S (.75-1.25)
SSC38	WORM GEAR CLAMP, S/S (.25-.63)
T5	1/2 POLY TEE
WMS14	14 X 1 1/4 HEX W/H SMS SLOTT, S/S
WMS14A	5/16 X 1 1/2 STRAIGHT PLASTIC ANCHOR

