



series MX-3

CHEMICAL INJECTION PUMPS

PRODUCT FEATURES OF THE MX-3

- Up to 62 gallons (235 liters) per day
- Lightweight
- Discharge pressures to 10,000 PSI (690 Bars)
- Adjustable flow rate
- Positive cycle operation
- Easily field serviceable
- 316 SS fluid end
- Capable of handling dirty/sour gas
- 1 to 60 Strokes Per Minute
- Low gas consumption
- Inlet pressure: 145 PSI (10 bars) maximum
30 PSI (2.1 bars) minimum
- Adjustable vee packing



MODEL NUMBER

Plunger Diameter	Pump Model Number	Weight
3/16	MX34-1	12.5#
1/4	MX31-1	14#
3/8	MX33-1	14#
1/2	MX35-1	15#

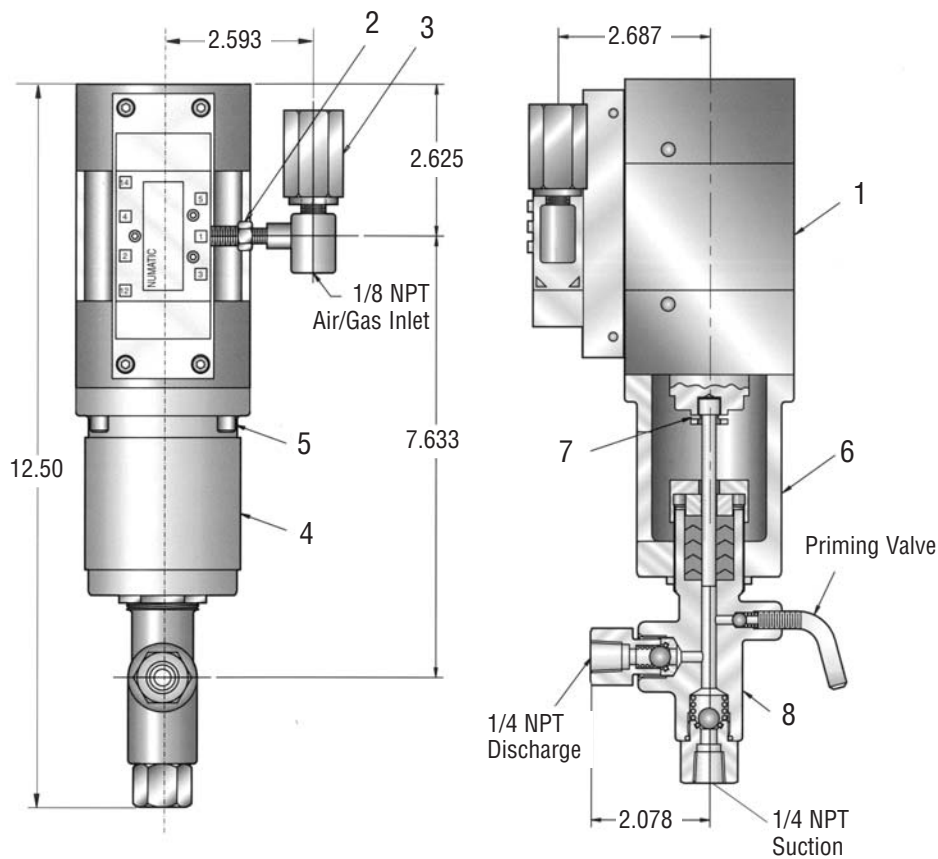


IndustrialZone
P.O. Box 667306
Houston, Texas 77266
United States

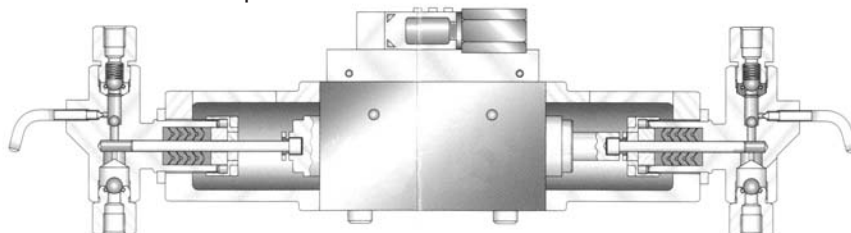
(713)-395-1508
Fax: (713) 893-6924
support@industrialzone.com
www.industrialzone.com

PARTS LIST

Item	Part No.	No. Reqd.	Name	Material
1	TC-2124	1	Power Unit	
2	TA-6320	1	Nipple	SST
3	TA-5851	1	Speed Control Valve	Aluminum
4	TB-1595	1	Yoke Cover (not shown)	Plastic
5	P04-031250-3900	4	Bolts- 5/16 - 24UNF x 2-1/2	SST
6	TC-2114	1	Yoke Housing	Aluminum
7	TA-5953	1	Drive Clip	SST
8	TC-2121*	1	Fluid End Assembly	



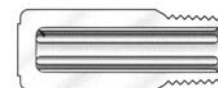
Double Headed MX-Pump



ACCESSORIES



Mounting Bracket



Muffer, 1/4" NPT



Lubricator



Filter

INSTALLATION AND OPERATION

1. Remove the pump from the shipping container and inspect for visual damage.
2. Connect the chemical supply line to the pump suction port. The pump suction port connection is 1/4" FNPT.

NOTE: Simplex pumps should be mounted in vertical position with the suction port facing down, (brackets are available to assist in mounting). Duplex pumps should be mounted in horizontal position with suction ports facing down (mounting feet are available).

3. Connect tubing or piping to the discharge port to the pump. The discharge port connection is 1/4" FNPT and perpendicular to pump plunger axis.

NOTE: TXT recommends the installation of a line check at the point of injection into the line.

4. Loosen the locknut on the fluid end/yoke connection and rotate the power unit to align the control valve in a suitable location for installation requirements (care should be taken not to rotate the power more than 180 degrees). Retighten locknut upon completion.
5. Install a shut-off valve in the air/gas supply line.
6. Connect a 1/4" line from the air/gas shut-off to control valve.
7. The pump supply air/gas pressure must be a minimum of 30 PSI but no greater than 145 PSI. If the available supply pressure is greater than 145 PSI a regulator

must be installed to reduce the pressure to an acceptable level.

NOTE: For the best trouble free performance, a filter and lubricator should be installed in the air/gas supply line.

8. Open the supply line shut-off valve to the pump. The stroke rate is controlled by adjusting the calibrated control valve.
9. Exhaust air/gas should exit the power unit through the exhaust ports located on both sides of the control valve connection into the power unit.
10. Open the priming valve on the side of the fluid housing, (approximately 1/2 turn to allow trapped air to escape from the head). Continue to cycle the pump with the priming valve open until air bubbles are no longer visible in the fluid stream coming from the bleed hole.

NOTE: The media from the bleed hole can be piped to a container for safety purposes.

11. Control the output volume of the pump by adjusting the calibrated control valve. The pump can be operated at a stroke rate between 1 SPM minimum to a maximum of 60 SPM.
12. Once desired volume is established, the number on the barrel of a calibrated control valve should be noted, for returning to the same stroke rate and pump volume in the future.

