

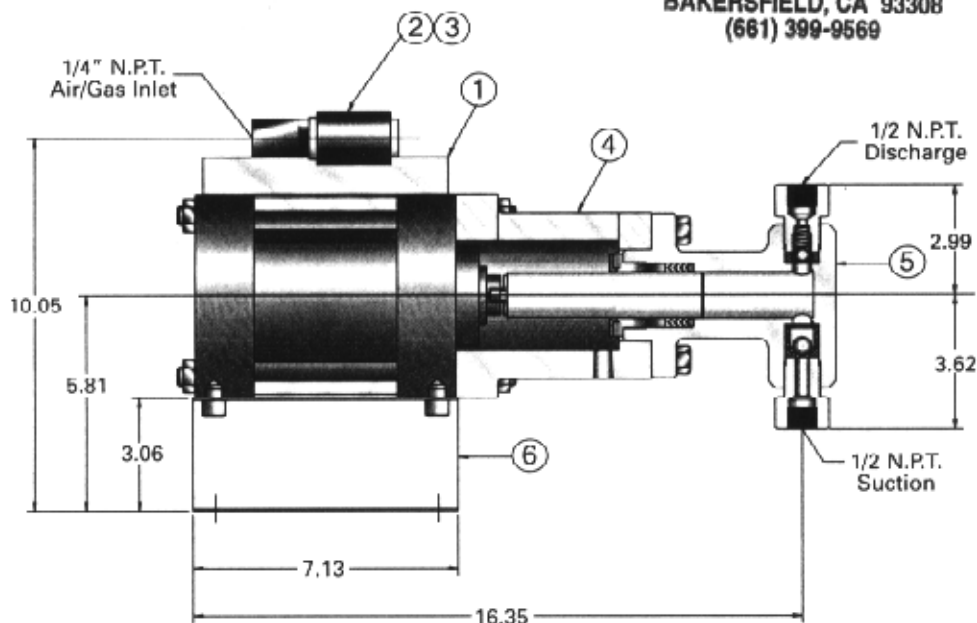
# MX-5

## Chemical Injection Pump

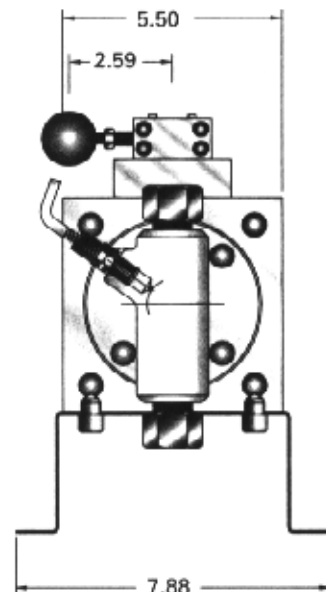
### Product Features of the MX-5

- 1 to 62 GPH
- Duplex models available
- No springs in the power cylinder-positive cycle operation
- Adjustable packing allows for planned maintenance
- Easily field serviceable
- Environmentally friendly-able to recycle unused supply gas
- 1 to 60 Strokes Per Minute
- Lightweight
- Wide range of service gas pressure  
minimum-30 psi  
maximum-145 psi
- Option of ceramic plungers-longer life on the plunger and packing
- Variety of packing allows for many chemical compatibilities

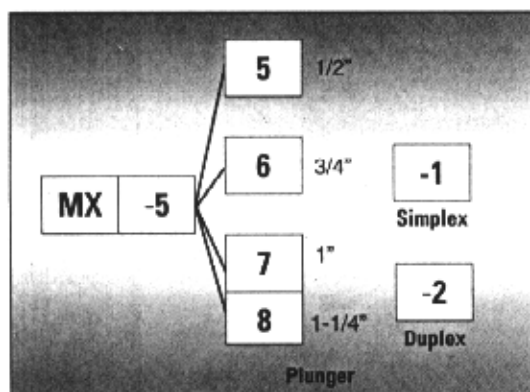
### Simplex Dimensions



FRED C. GILBERT CO.  
P.O. BOX 5534  
1615 BEDFORD WAY #A  
BAKERSFIELD, CA 93308  
(661) 399-9569



### Model Nomenclature



### Parts List

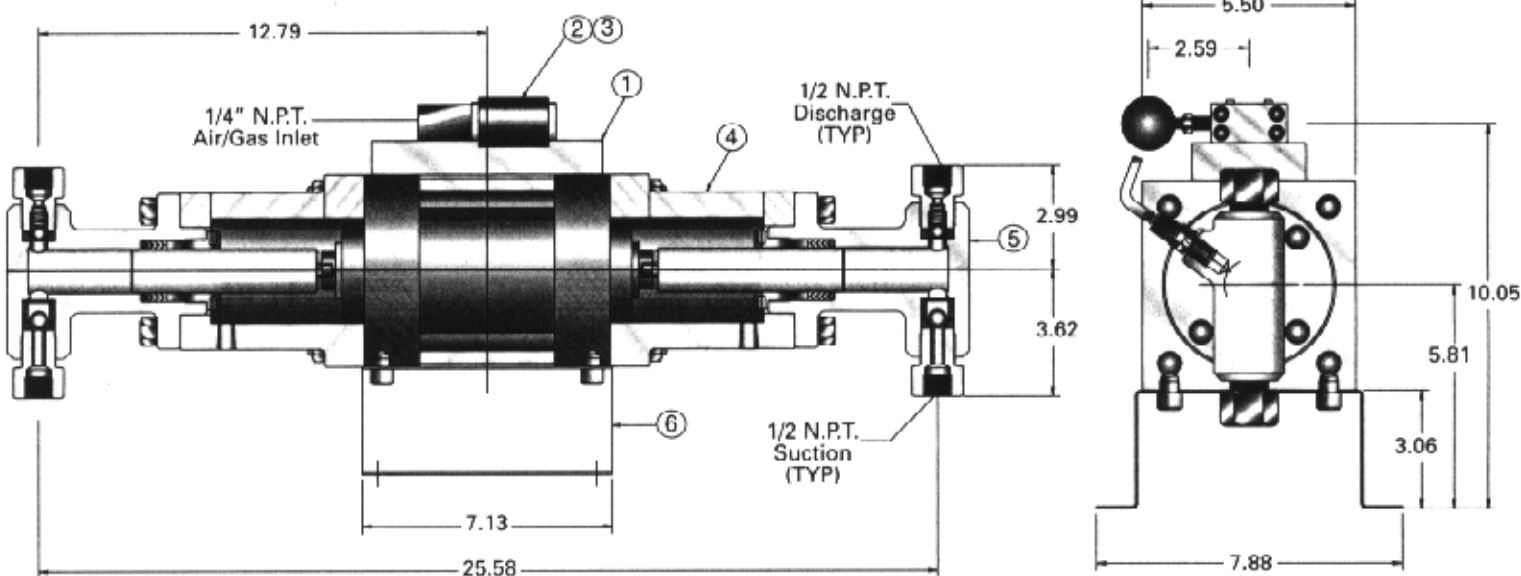
Item	Part No.	No. Reqd.	Name	Material
1	TB1641	1	Power Unit-SPLX	
2	TA6320	1	Nipple	SST
3	TA5851	1	Speed Control Valve	Aluminum
4	TC2141	1	Yoke	Aluminum
5		1	Fluid End Body Assembly	CF8M
6	TB1644	1	Mounting Bracket	16 GA Galv. Steel
7	TB1643	1	Yoke Cover (not shown)	Plastic

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## Packing/Seal Material Selection

Material	Temp. Range	Suggested Pressure Range	Comments
Buna	-40 to 200 F	0-5000 PSI	Soft material-fair wear resistance-used mainly for methanol service
Viton®	-10 to 200 F	0-5000 PSI	Broad chemical compatibility, but not used with ethyl or methyl alcohols
Teflon®	-30 to 180 F	0-3000 PSI	Tough material with very good wear resistance. Excellent chemical inertness
HP Buna	-40 to 200 F	to 10,000 PSI	Very good high pressure capability
HP Viton®	-10 to 200 F	to 10,000 PSI	Very good high pressure capability

## Duplex Dimensions



## Materials

### Fluid End Assembly

Body	316SS
Plunger	17-4 SS
	Ceramic
Packing Gland	303SS
Packing Nut	303SS
Check Valve Balls	316SS
Priming Valve	303SS

### Power Unit Assembly

Nipple	SST
Speed Control Valve	Aluminum
Yoke	Aluminum
Mounting Bracket	16 GA Galv. Steel
Yoke Cover	Plastic

## Parts List

Item	Part No.	No. Redq.	Name	Material
1	TB1642	1	Power Unit-DPLX	
2	TA6320	1	Nipple	SST
3	TA5851	1	Speed Control Valve	Aluminum
4	TC2141	1	Yoke	Aluminum
5		2	Fluid End Body Assembly	CF8M
6	TB1644	1	Mounting Bracket	16 GA Galv. Steel
7	TB1643	1	Yoke Cover (not shown)	Plastic

# MX-5

## Chemical Injection Pump

### Performance

MODEL	SIMPLEX GPH/LPH		DUPLEX GPH/LPH		PRESSURE PSI/BARG	VOLUME PER STROKE CC	MAX. AIR CONSUMPTION 100 PSIG 6.9 BAR	
	MAX	MIN	MAX	MIN			SCF/DAY	SCM/DAY
<b>MX55 1/2" PLUNGER</b>								
@ 50 PSI/3.45 BAR	5.2/19.7	1.04/3.9	10.4/39.4	1.9/7.2	4500/310	2.99		
@ 100 PSI/6.9 BAR	5.4/20.5	.4/1.5	10.4/39.4	1.9/7.2	8500/586	5.98	6114	173.1
@ 145 PSI/10 BAR	5.4/20.5	.9/3.4	10.4/39.4	1.9/7.2	10000/690	8.67		
<b>MX56 3/4" PLUNGER</b>								
@ 50 PSI/3.45 BAR	12.9/49	2.1/7.9	23/87	3.75/14.2	2000/138	6.73		
@ 100 PSI/6.9 BAR	12.9/49	2.1/7.9	23/87	3.75/14.2	4000/276	13.46	6836	193.6
@ 145 PSI/10 BAR	12.9/49	2.1/7.9	23/87	3.75/14.2	6000/414	19.52		
<b>MX57 1" PLUNGER</b>								
@ 50 PSI/3.45 BAR	23/87	9.4/35.6	42/159	14.6/55.3	1150/79	11.97		
@ 100 PSI/6.9 BAR	23/87	7.3/27.7	42/159	12.5/47.4	2250/155	23.93	7451	211
@ 145 PSI/10 BAR	23/87	9.4/15.9	42/159	15.8/59.9	3250/224	34.7		
<b>MX58 1-1/4" PLUNGER</b>								
@ 50 PSI/3.45 BAR	34/128	14.6/55.3	62.5/237	27/102.3	750/51	18.7		
@ 100 PSI/6.9 BAR	34/128	12.5/47.3	62.5/237	23/87	1400/96	37.4	8850	250.6
@ 145 PSI/10 BAR	34/128	15.8/59.8	62.5/237	29/109.9	2000/138	54.23		

#### ORDERING NOTES:

- Stroke length all models—2"
- Stroke speed all models—1-60 SPM
- Packing/Seal recommendations constitute no guarantee—for questionable applications contact Texsteam Engineering
- All MX-5 Pumps should be mounted in the horizontal position—pump mounts are included with each unit

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LUBRICATOR & METERING PUMP  
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