



# series MX-5

## CHEMICAL INJECTION PUMPS

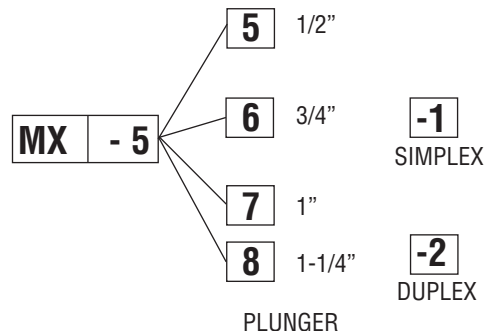


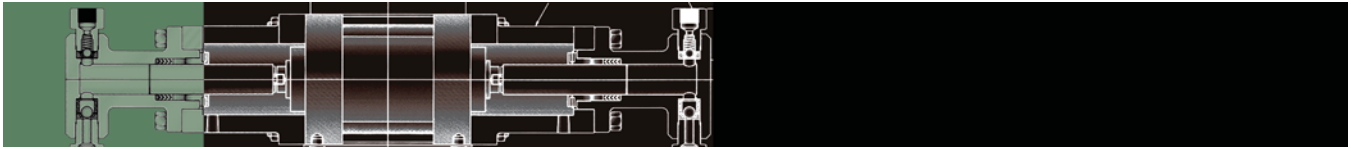
### PRODUCT FEATURES OF THE MX-5

- 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

### MODEL NOMENCLATURE

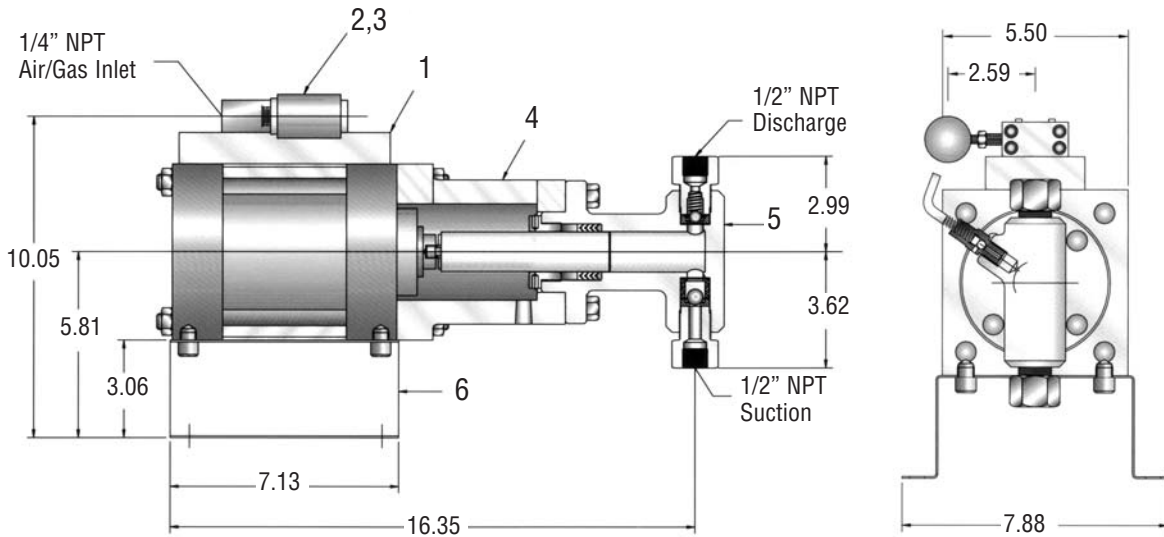




### PACKING/SEAL MATERIAL SELECTION

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

### SIMPLEX DIMENSIONS



### PARTS LIST

Item	Part No.	No. Reqd.	Name	Material
1	TB-1641	1	Power Unit-SPLX	
2	TA-6320	1	Nipple	SST
3	TA-5851	1	Speed Control Valve	Aluminum
4	TC-2141	1	Yoke	Aluminum
5		1	Fluid End Body Assembly	CF8M
6	TB-1644	1	Mounting Bracket	16 GA Galv. Steel
7	TB-1643	1	Yoke Cover (not shown)	Plastic

# CHEMICAL INJECTION PUMP

series **MX-5**

## MATERIALS

### Fluid End Assembly

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

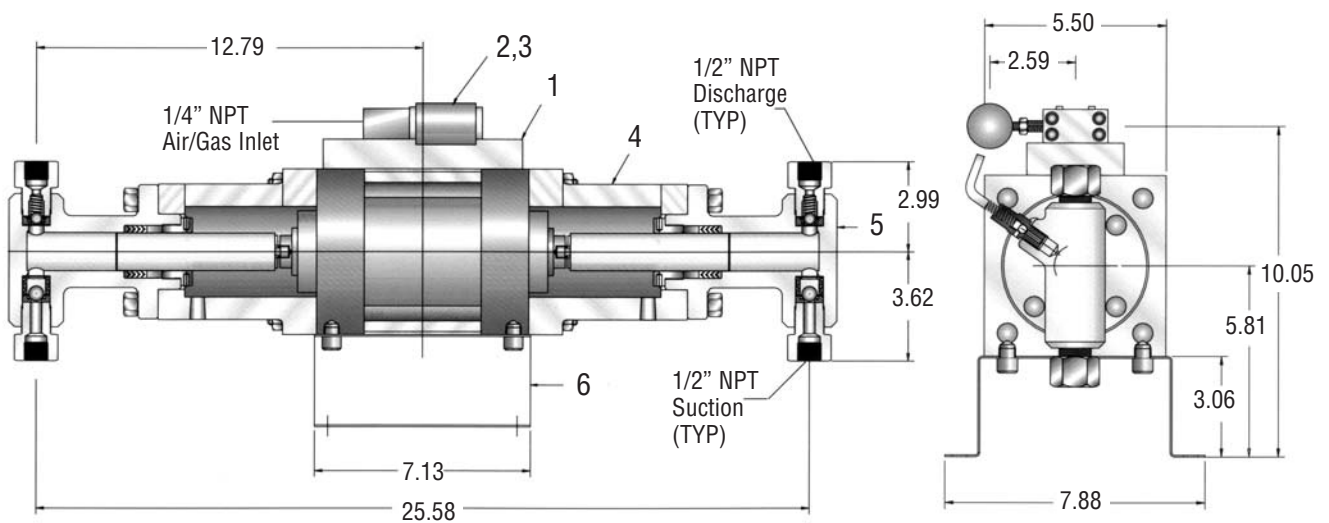
### Power Unit Assembly

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

## PARTS LIST

Item	Part No.	No. Reqd.	Name	Material
1	TB-1642	1	Power Unit-DPLX	
2	TA-6320	1	Nipple	SST
3	TA-5851	1	Speed Control Valve	Aluminum
4	TC-2141	1	Yoke	Aluminum
5		2	Fluid End Body Assembly	CF8M
6	TB-1644	1	Mounting Bracket	16 GA Galv. Steel
7	TB-1643	1	Yoke Cover (not shown)	Plastic

## DUPLEX DIMENSIONS



## PERFORMANCE

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