



STONEBOR PUMP

McFarland Pump Group

SERIES C7-PR

Pneumatic Chemical & Alcohol Injection Pump

Pressure up to 20,000 PSI

Chemical Delivery up to 49 GPD

SPECIFICATIONS

The following specifications are applicable for continuous Operation condition***

- No flooded suction required
- Minimum delivery – 12 gal. per day – 1/4" plunger
- Maximum delivery – 49 gallons per day (1/2" plunger size) 60 SPM
- Complete pump – 300 Series stainless steel
- Maximum discharge pressure – 20,000 PSI – 1/4" plunger
- Minimum supply pressure required – 40 PSI (Break Away)
- Maximum supply pressure – 175 PSI
- Delivery rates – Plunger stroke speed is adjustable while pumping
- Weighs only 18 pounds
- Works fine on wet gas supply - will even operate on water supply pressure
- Low maintenance – only 9 parts required for normal repair

* Stroke Length 0.75"

* Meet N.A.C.E Standards for H2S Service.



Suitable for Offshore & Corrosive Environments

PUMP MODEL	Plunger Size (in)	GAS CONSUMED TO PUMP ONE GALLON OF CHEMICAL (SCF)													
		Chemical Injector System Pressure (PSIG)													
		0	50	100	200	500	1000	2000	3000	4000	5000	6000	7000	8000	10000
C7-250-PR	1/4	90	91	92	93	99	108	127	146	164	183	202	221	239	227
C7-375-PR	3/8	40	41	42	44	49	59	77	96	115	133	152	171	189	227
C7-500-PR	1/2	22	23	24	26	32	41	60	79	116	135	153			

SCF – STANDARD CUBIC FEET MEASURED AT 14.7 PSIA AT 60F

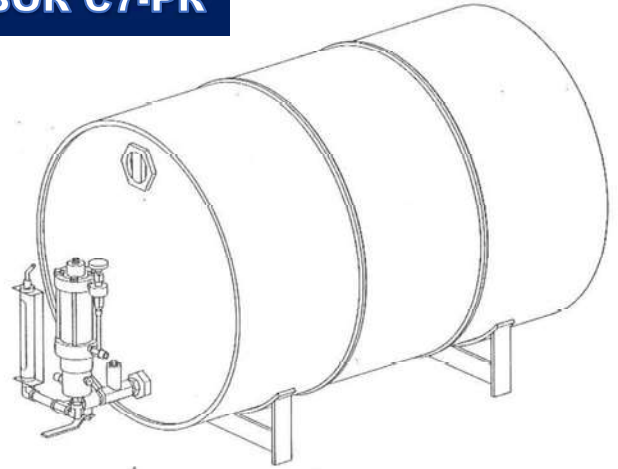
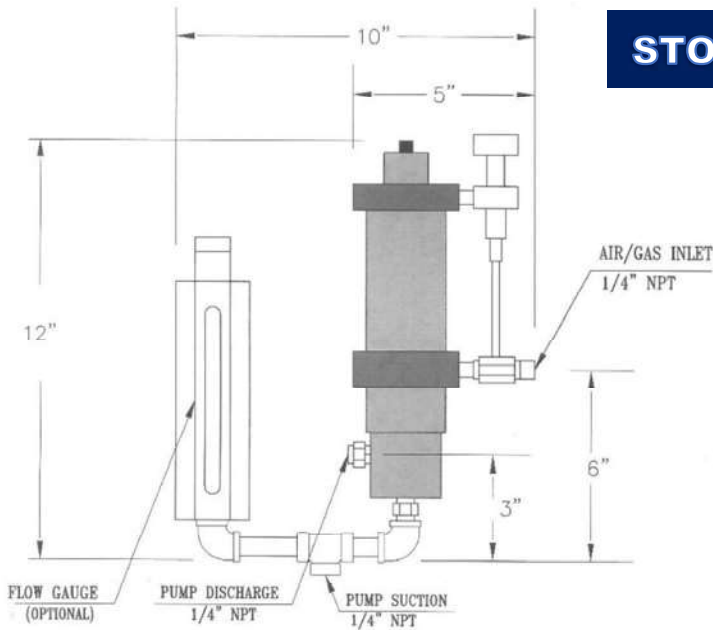
PERFORMANCE DATA

Pump Model	Plunger Size IN.	Max Discharge Pressure PSIG.	Max CHEM. DELIVERY (GPD)	SUPPLY PRESSURE REQUIRED TO INJECT CHEMICAL AT SYSTEM PRESSURE (PSIG)													
				Chemical Injection System Pressure													
				0	50	100	200	500	1000	2000	3000	4000	5000	6000	7000	8000	10000
C7-250-PR	1/4	20,000	12	40	40	40	40	40	40	40	40	40	40	40	40	40	44
C7-375-PR	3/8	15,000	27	40	40	40	40	40	40	40	40	40	48	57	65	74	92
C7-500-PR	1/2	8,000	49	40	40	40	40	40	40	40	51	67	82	98	113		

*SCF- Standard Cubic Feet Measured at 14.7 PSIA at 60 F

- (1) CALCULATED AT MAXIMUM RECOMMENDED SUPPLY PRESSURE OF 175 PSIG
- (2) BASED UPON 60 STROKES /MIN. CONTINUOUS SERVICE @ 90% VOLUMETRIC EFFICIENCY.
- (3) FLOW RATE MAY BE SLIGHTLY LOWER AT HIGH PRESSURE.

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Material of Construction	Standard	Optional
Fluid End / Power End Components	303 SS	316 St.St, Inconel, K-Monel, Aluminum*
Fluid End Seals	Fluorocarbon	Teflon, Buna -n
Power End Seals	Moly-impregnated urethane	Teflon, Fluorocarbon, Buna-n
Check Valve Body	303 SS	316 Stainless Steel
Check Valve Balls	316 Stainless Steel	Ceramic

* Not recommended for fluid end

FEATURES

- Pump must be mounted vertically with the fluid end down. Pump may be supported by piping or may be mounted on STONEBOR bases or mounting brackets.
- Complete chemical Injection packages built to customer requirements.
- Typical with methanol, effective temperature range will depend on the injection chemical.
- Typical, actual consumption will vary from pump to pump.
- Typical with water at 72°F (22°C); actual flow rate will vary with chemical viscosity and temperature.
- Ensure that the injection chemical and supply gas are compatible with pump material selected



NOTE: For intermittent services requiring larger fluid volumes, higher supply pressures, higher discharge pressures than recommended above, please contact **McFarland Pump Group**.



McFarland Pump Group

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