



McFarland – TriTan, LLC.

The "High Pressure" Specialists!

ATEX DNV CERT. # 3377-2013-CE-VSA-DNV

Series **MAC 28-2** API 674 Compliant

Double Stage Reciprocating Pump – Air/Gas Driven Rapid Hydrostatic Testing

SPECIFICATIONS

- Power Cylinder Size 8"
- Stroke Length 4"
- Adjustable Speed up to 100 Cycles/Min
- Temperature Range -20°F to +140°F
- Up to 100 PSI Supply Air/Gas Pressure
- 185 SCFM Air/Gas Consumption @100 cpm



FEATURES

- API 674 Compliant
- Compact, Portable and Light Weight.
- Non-Lubricated Packing and Piston Cups
- Field adjustable speed/volume control
- Easily maintained
- Can be adapted for use as high Pressure, Air-or Gas Operated Chemical Injection Pump.
- Can be adapted for portable use by specifying a skid base, Guard Rail and Lifting Eyes.
- Virtually Trouble –Free for extended running times if proper lubrication and reasonable care of the pump is maintained.
- The standard unit has two fluid ends.
- Hoses, gauges and other accessories are also available upon request.

Performance Chart- Volume & Pressure

Plunger/Piston Size(in)	* Volume @ 100 cpm		***@ 100 psi input pressure				Process Connections			
			Operating Pressure		** Stall Pressure		Suction	Discharge	Air/Gas Inlet	Air/Gas Exhaust
	GPM	LPM	PSI	BAR	PSI	BAR				
1/2"	0.61	2.31	16,507	1,138	20,044	1,382	1 ½" NPT Female	1" AE MP	¾" NPT Female	1" NPT Female
5/8"	0.96	3.64	10,562	728	12,825	884				
3/4"	1.38	5.22	7,335	506	8,906	614				
1"	2.45	9.27	4,126	284	5,010	345	1 ½" NPT Female	1" NPT Female	¾" NPT Female	1" NPT Female
1 ¼"	3.82	14.46	2,641	182	3,207	221				
3 ½" (Single Stage)	29.99	-----	-----	-----	-----	-----				

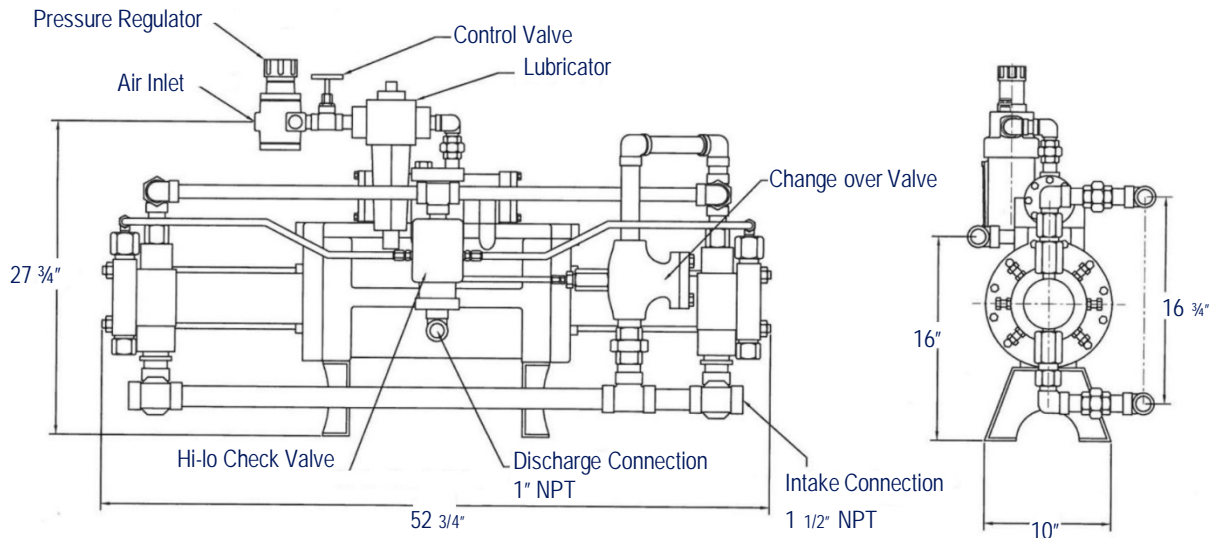
- Note: Volume discharge shown above is for two fluid ends manifolded together.



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MAC 28-2 GENERAL ARRANGEMENT



MATERIAL OF CONSTRUCTION

- Fluid End-Carbon Steel / 316 St.St. / 303 St.St.
- Plunger-Stainless Steel 17-4 PH Heat Treated.
- Power Body-Cast Aluminum.
- Air Valve Housing –Cast Aluminum / Cast Steel / 316 St.St.
- Check Valves-Stainless Steel.
- Air Valve Core –Brass / Stainless Steel.
- Manifolding-Carbon Steel/ Stainless Steel.

STANDARD EQUIPMENT

- Air/ Gas Pressure Regulator
- Air/Gas Pressure Gauge
- Air-Gas Lubricator
- Throttle Control Valve
- Base Plate (Std.) / skid Base (Optional)
- Standard McFarland Blue Color

OPTIONAL EQUIPMENT

1. MAC 28 with skid base, drip pan & lifting eyes - Standard McFarland blue color
2. MAC 28 with skid base, guard rail, drip pan and lifting eyes - Standard McFarland blue color.
3. MAC 28 with skid base, guard rail, drip pan, Casters and lifting eyes - Standard McFarland blue color
4. Any of above options with common suction / common discharge manifolding, carbon steel or St.St
5. Any of above options with Demitcote coating for Offshore Environments
6. Any of above options with DNV 2.7-1 Compliant Skid/Certified Skid.



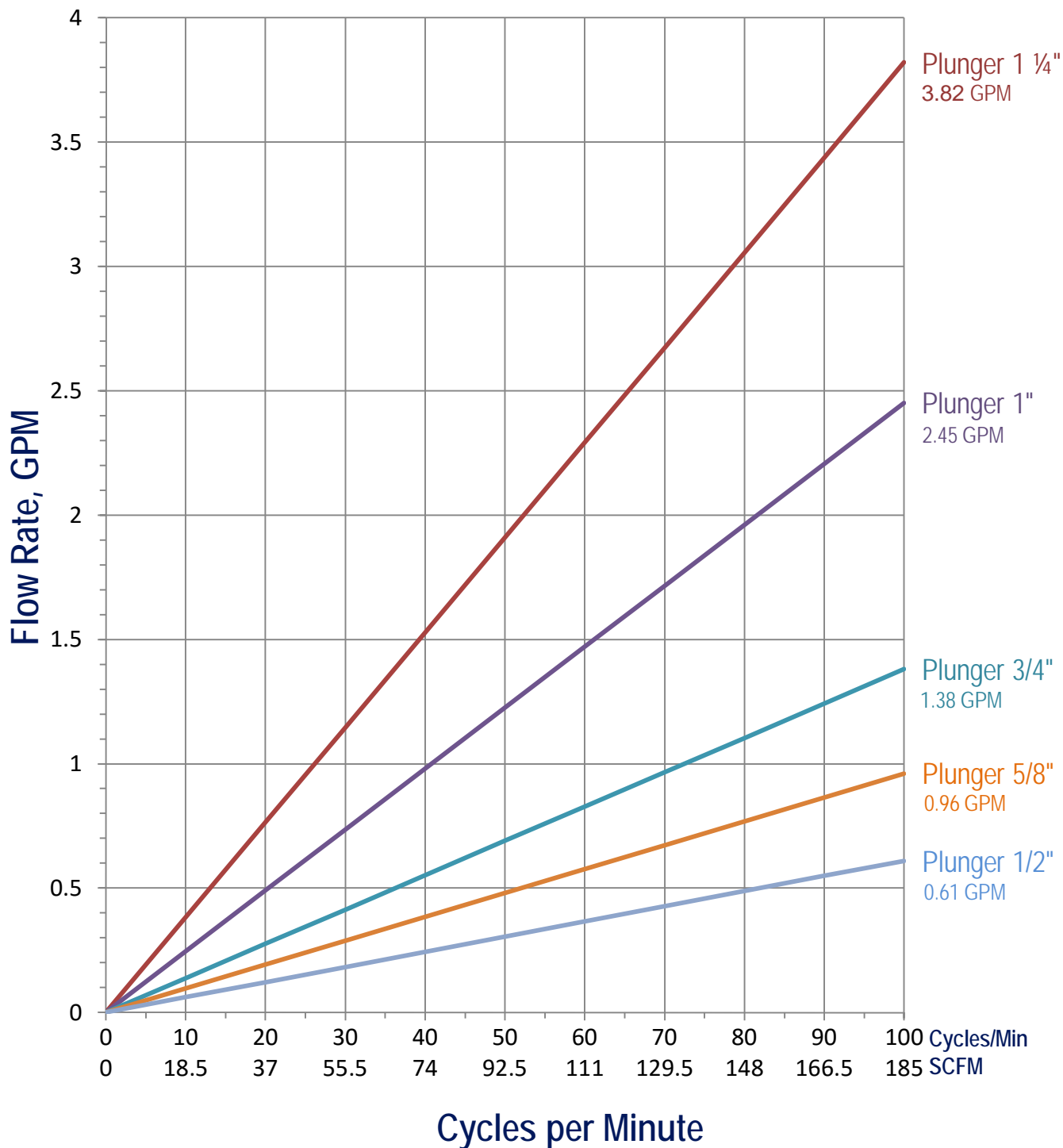
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MAC 28-2

Flow Rate Vs. Cycles per Minute

Plunger Size (1 ¼", 1", 3/4", 5/8", 1/2")



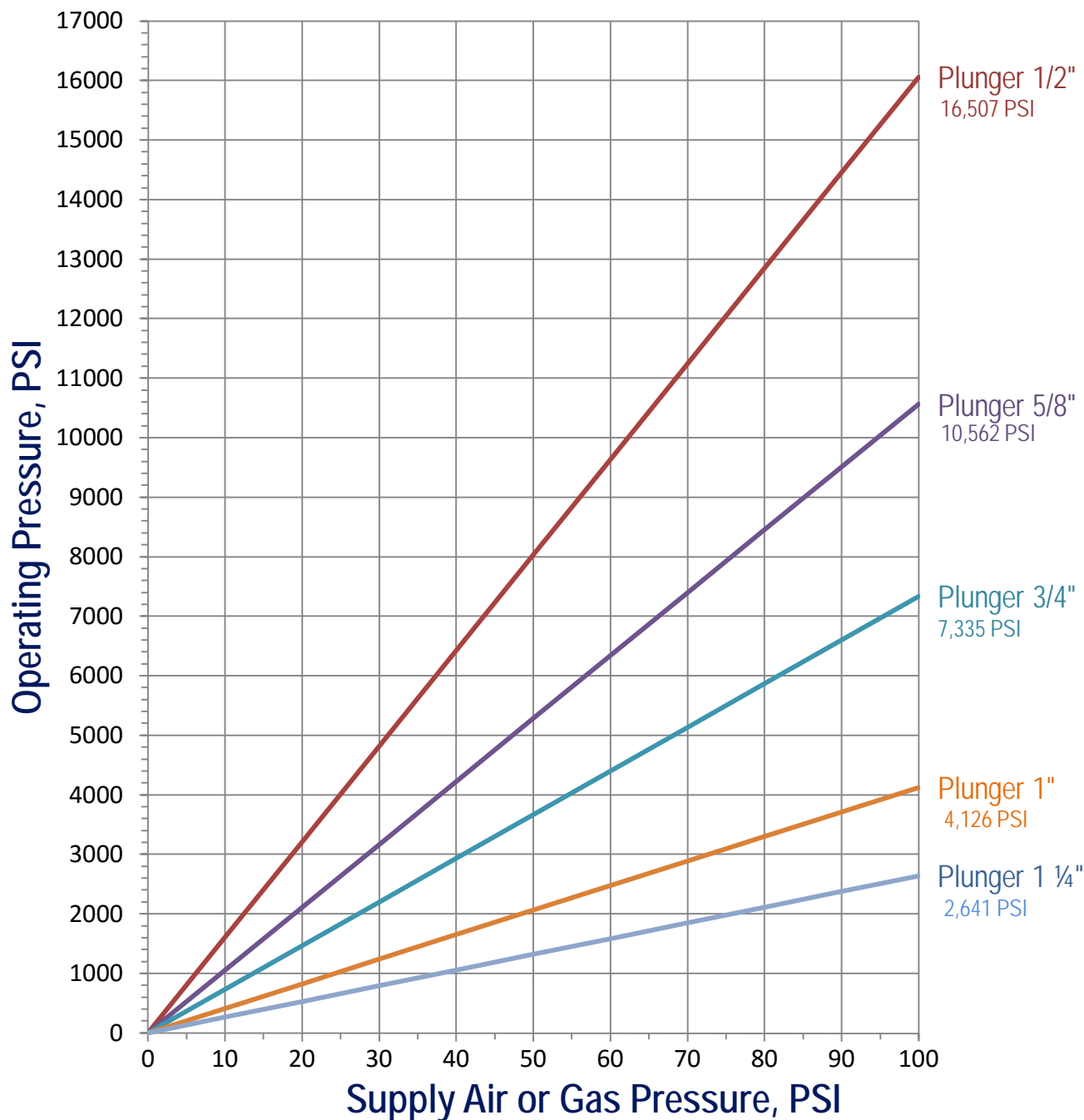


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MAC 28-2 Operating Pressure vs. Supply Pressure

Plunger Size (1/2", 5/8", 3/4", 1", 1 1/4")



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100% Made in USA