



McFarland – TriTan, LLC.

The "High Pressure" Specialists!

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

Series **MAC 26** API 674 Compliant

Single Acting Reciprocating Pump – Air/Gas Driven Chemical Injection/Hydrostatic Testing Pump

SPECIFICATIONS

- Power Cylinder Size 6"
- Stroke Length 2"
- Adjustable Speed up to 100 Cycles/Min
- Air/Gas Input Pressure 100 psi max.
- Gas Consumption 51 SCFM
- Temperature Range : -20 °F/140°F
- Weight :175 lbs
- Shipping Cube : 13.5 ft³
- Dimensions 37"x12"x20" (L*W*H)



FEATURES

- API 674 Compliant.
- Can be adapted for use as high Pressure, Air-or Gas Operated Transfer Pump.
- Complete Chemical Injection or Hydrostatic Test Packages Built to Customer Requirements.
- Can be adapted for portable use by specifying a skid base, Guard Rail and Lifting Eyes.
- Non-Lubricated Packing and Piston Cups.
- 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, Single Fluid End available if desired.
- Compact, Portable and Light Weight.
- Hoses, gauges and other accessories are also available.
- Field adjustable speed/volume control.
- Easily maintained.

Performance Chart- Volume & Pressure

Plunger/Piston Size(in)	* Volume @ 100 cpm		@ 100 psi input pressure				Connections			
			Operating Pressure		*Stall Pressure					
	GPM	LPM	PSI	BAR	PSI	BAR	Suction	Discharge	Air/Gas Inlet	Air/Gas Exhaust
1/4"	0.08	0.30	39,177	2,701	47,572	3,280	1/2" NPT Female	9/16" AE MP Female	1/2" NPT Female	1/2" NPT Female
5/16"	0.12	0.45	25,080	1,729	30,454	2,100				
3/8"	0.17	0.64	17,424	1,201	21,157	1,459				
1/2"	0.31	1.17	9,799	676	11,899	820				
5/8"	0.48	1.82	6,270	432	7,613	525	1/2" NPT Female	3/8" NPT Female	1/2" NPT Female	1/2" NPT Female
3/4"	0.69	2.61	4,354	300	5,287	365				
1"	1.22	4.62	2,449	169	2,974	205				
1 1/4"	1.91	7.23	1,568	108	1,904	131				
1 1/2"	2.75	10.41	1,089	75	1,322	91	3/4" NPT Female	1/2" NPT Female	1/2" NPT Female	1/2" NPT Female
1 3/4"	3.75	14.20	800	55	972	67	3/4" NPT Female	3/4" NPT Female	1/2" NPT Female	1/2" NPT Female
2"	4.9	18.55	613	42	744	51	Female	Female	Female	Female

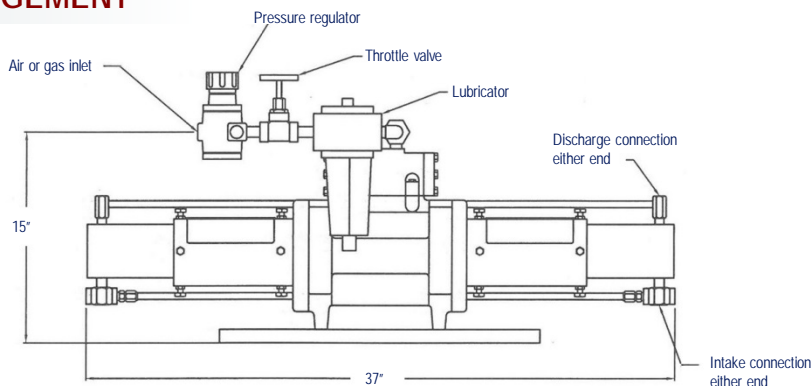
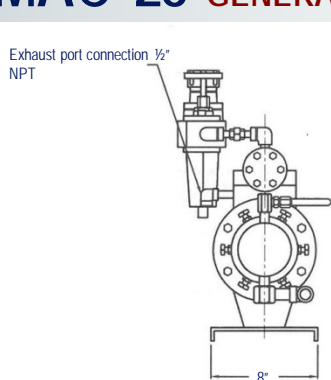
* Volume based on 90% theoretical maximum ** Stall Pressure based on 85% efficiency *** Gas Consumption @ 100 psi and 100 cpm = 51 SCFM



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MAC 26 GENERAL ARRANGEMENT



MATERIAL OF CONSTRUCTION

- Fluid End-Carbon Steel or Stainless Steel
- Plunger-Stainless Steel 17-4 PH Heat Treated
- Power Body-Cast Aluminum / Carbon Steel / St.St
- Air Valve Housing –Aluminum / Carbon Steel / St.St
- Check Valves-Stainless Steel
- Air Valve Core –Brass / Ryton for sour gas application
- Manifolding-Carbon Steel or Stainless Steel

STANDARD EQUIPMENT

- Air/ Gas Pressure Regulator
- Air/Gas Pressure Gauge
- Air-Gas Lubricator
- Throttle Control Valve
- Base Plate
- Standard McFarland Blue Color

OPTIONAL EQUIPMENT

1. MAC 26 with skid base, drip pan & lifting eyes - Standard McFarland blue color
2. MAC 26 with skid base, guard rail, drip pan and lifting eyes - Standard McFarland blue color.
3. MAC 26 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.
7. MAC 26 Pump -Sour Gas Modification for NACE MR0175 Compliance.

APPLICATIONS

- Chemical injection at offshore oil wellheads
- Methanol injection in gas systems to prevent freezing
- General high pressure injection applications
- Hydrostatic testing
- Corrosion & Scale inhibitor in pipelines
- Triethylene glycol (TEG)
- Defoamer/Anti-foamer
- H₂S gas scavengers



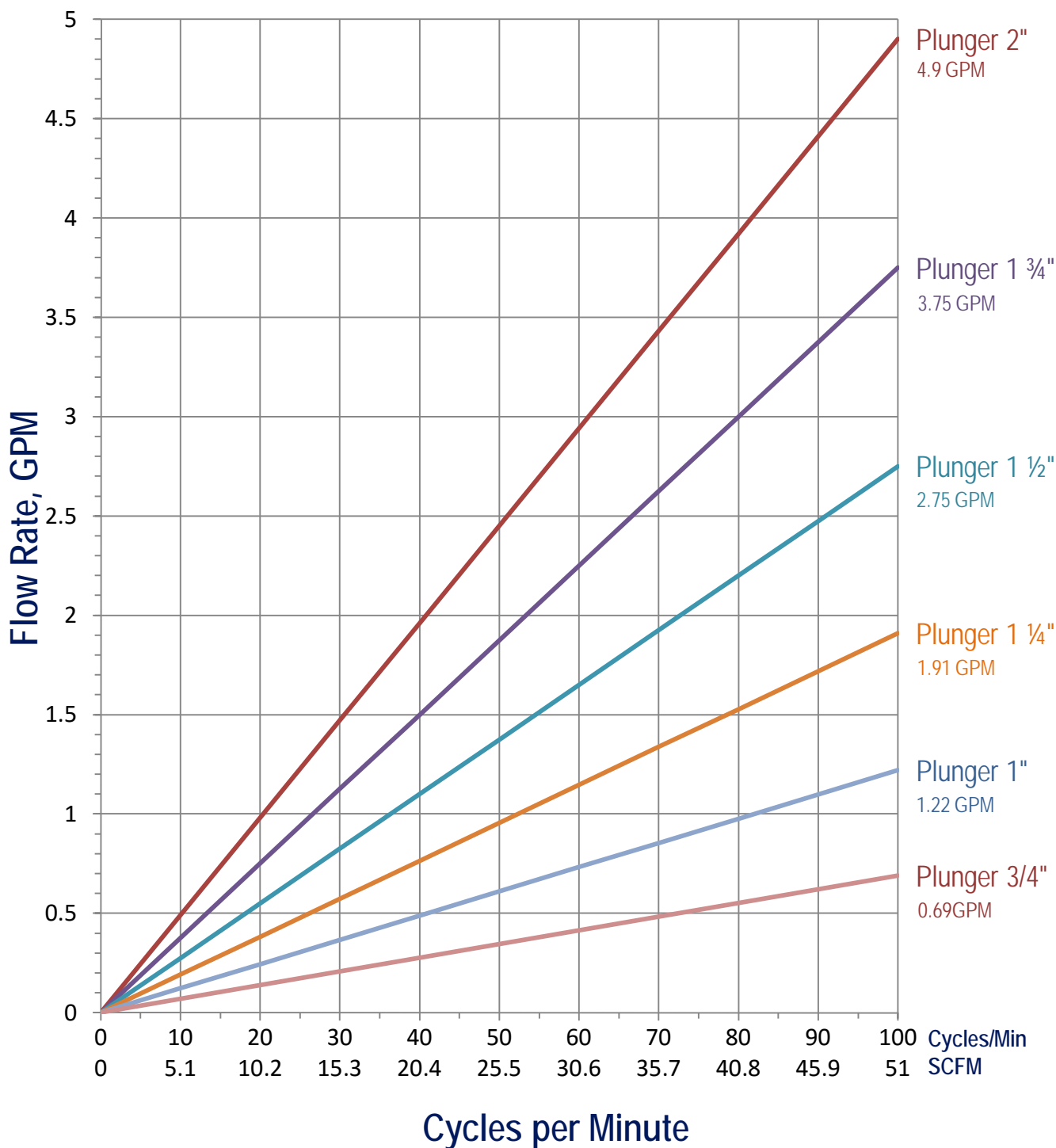
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MAC 26

Flow Rate Vs. Cycles per Minute

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





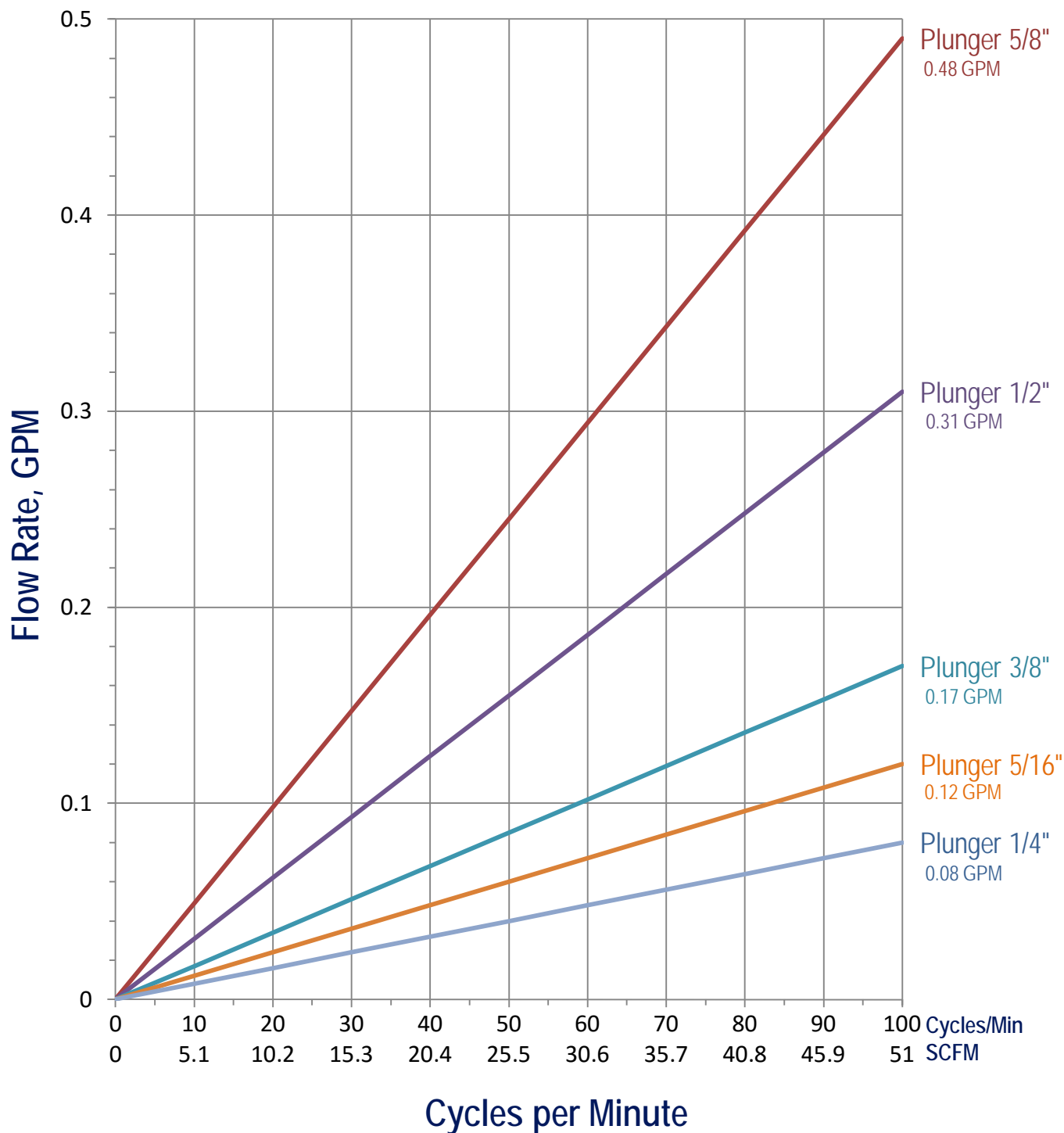
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MAC 26

Flow Rate Vs. Cycles per Minute

Plunger Size (5/8", 1/2", 3/8", 5/16", 1/4")





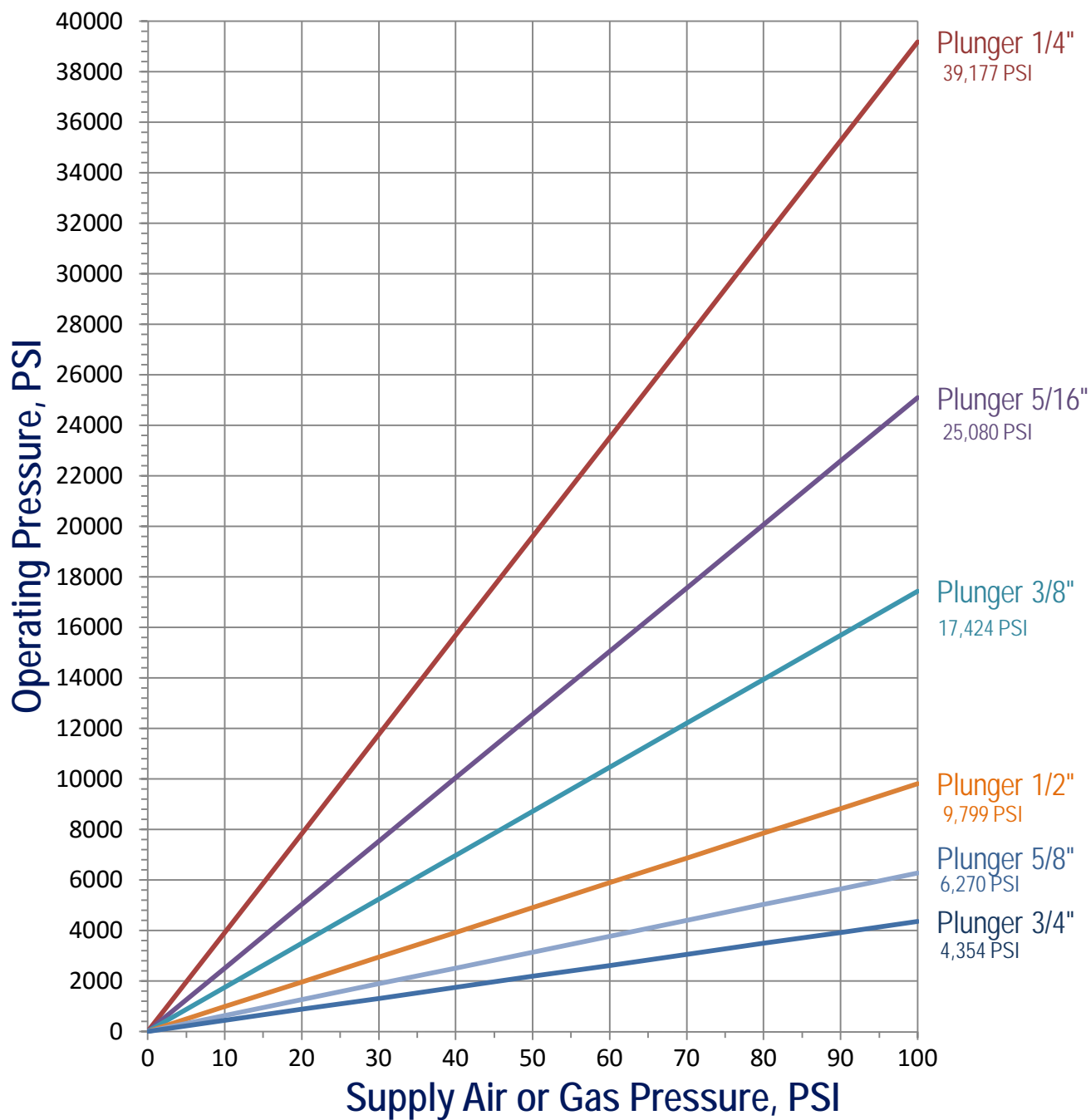
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Operating Pressure vs. Supply Pressure

Plunger Size (1/4", 5/16", 3/8", 1/2", 5/8", 3/4")





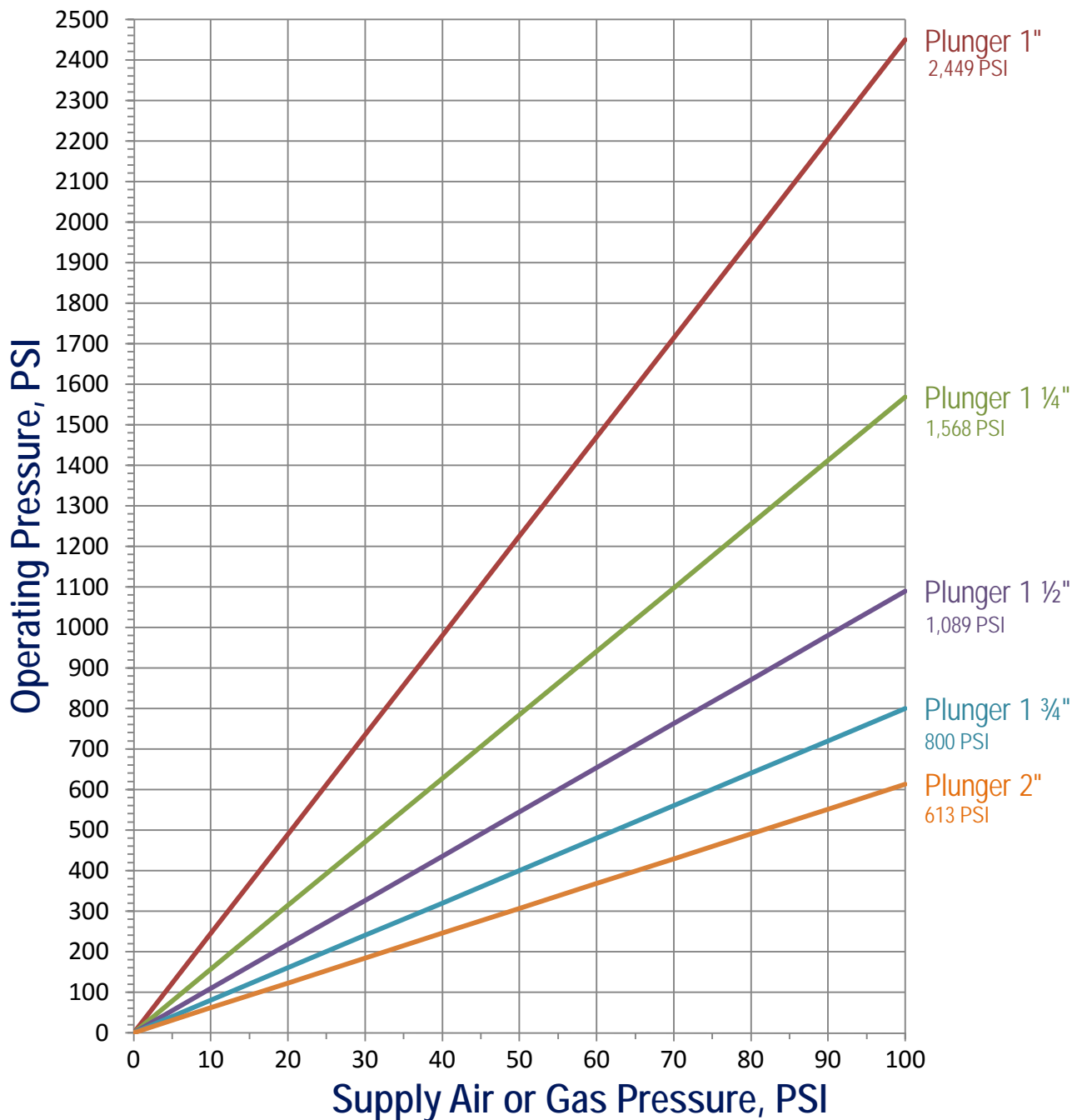
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Operating Pressure vs. Supply Pressure

Plunger Size (1", 1 ¼", 1 ½", 1 ¾", 2")



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100% Made in USA