



McFarland – TriTan, LLC.

The "High Pressure" Specialists!

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

Series MAC 14 API 674 Compliant

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

SPECIFICATIONS

- Power Piston Size 14"
- Stroke Length 4 ½"
- Adjustable Speed up to 60 Cycles/Min.
- Air/Gas Input Pressure 100 psi max.
- Gas Consumption 385 SCFM @ 60 CPM
- Temperature Range : -20 °F to +140°F
- Weight :540 lbs
- Shipping Cube : 63.5 ft³
- Bare Pump Dimensions 55"x20"x41" (L*W*H)



FEATURES

- Biggest Air/Gas driven pump in the market.
- API 674 Compliant.
- Available in different plunger sizes.
- Can be adapted for portable use by specifying a skid base, Guard Rail and Lifting Eyes.
- Designed for Intermediate Pressure testing and Chemical Injection with High Volume Rates.
- Virtually Trouble-Free for extended running times if proper lubrication and reasonable care of the pump is maintained.
- Non-Lubricated Packing and Piston Cups.
- Field adjustable speed/volume control.
- Easily maintained.

Performance Chart- Volume & Pressure

Plunger/Piston Size(in)	* Volume @ 60 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				
3/4"	0.93	3.52	23700	1,634	28771	1,984	1 ½" NPT Female	9/16" AE MP	1" NPT Female	1 ½" NPT Female
7/8"	1.25	4.73	17452	1,203	21,190	1,461				
1"	1.65	6.25	13,370	922	16,230	1,119	1 ½" NPT Female	1" NPT Female	1" NPT Female	1 ½" NPT Female
1 ¼"	2.60	9.84	8,550	590	10,386	716				
1 ½"	3.70	14.01	5,940	410	7,210	497	1 ½" NPT Female	1" NPT Female	1" NPT Female	1 ½" NPT Female
1 ¾"	5.00	18.93	4,365	301	5,300	365				
2"	6.60	24.98	3,340	230	4,055	280	1 ½" NPT Female	1" NPT Female	1" NPT Female	1 ½" NPT Female
2 ½"	10.30	38.99	2,140	148	2,595	179				
3"	14.80	56.02	1,485	102	1,800	124	1 ½" NPT Female	1" NPT Female	1" NPT Female	1 ½" NPT Female
3 ½"	20.00	75.71	1,090	75	1,325	91				
4"	26.40	99.93	835	58	1,015	70	1 ½" NPT Female	1 ½" NPT Female	1" NPT Female	1 ½" NPT Female

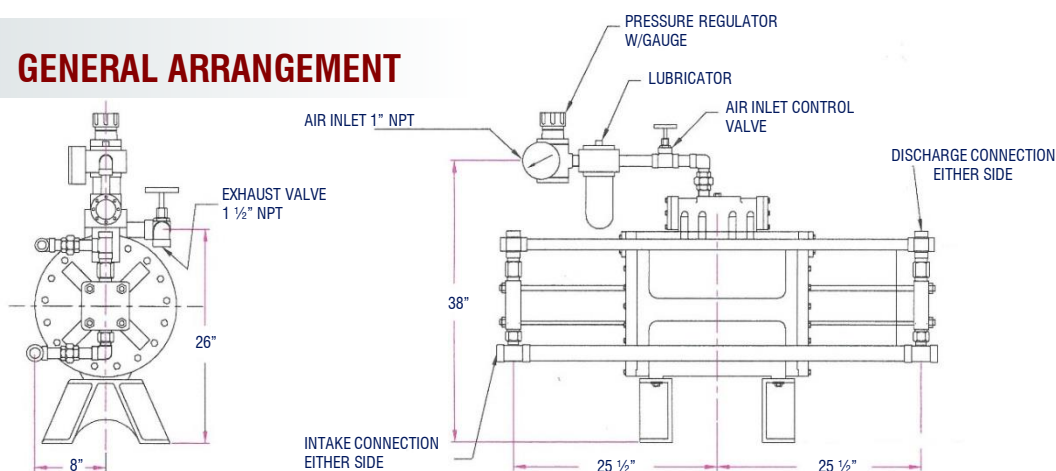
* Volume based on 90% theoretical maximum ** Stall Pressure based on 85% efficiency *** Gas Consumption @ 100 psi and 60 cpm = 385 SCFM



McFarland – TriTan, LLC.

The “High Pressure” Specialists!

MAC 14 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 Paint

OPTIONAL EQUIPMENT

1. Pump with Stainless Steel Fluid Ends
2. Pump with Manifolding , Carbon Steel or Stainless Steel
3. Pump with Sour Gas Modification for NACE MR0175 Compliance.
4. Skidded Pump, Standard McFarland Paint , per following options :
 - a) Skid Base
 - b) Skid Base w/ Guard Rail & Lifting Eyes
 - c) Skid w/ Guard Rail, Drip Pan & Lifting Eyes
 - d) Skid w/ Guard Rail, Drip Pan, Casters & Lifting Eyes
5. Any of above options with Demitcote coating for Offshore Environments
 - a) Pump Only
 - b) Pump & Skid
6. Skid- DNV 2.7-1 Compliant/Certified.
7. Accessories (Stroke Counter, Muffler, Gauges, Hoses, Valves, Dampeners, ...)

APPLICATIONS

- Energy Recovery from Flare Gas
- Chemical Injection at Offshore Oil Wellheads
- Methanol injection in gas systems to prevent freezing
- Closed Drain, Open Drain & Transfer Pump
- HPU Subsea Control
- Hydrostatic testing
- Corrosion & Scale inhibitor in pipelines
- Triethylene glycol (TEG)
- Defoamer/Anti-Foamer/Demulsifier / Biocide
- H₂S gas scavengers



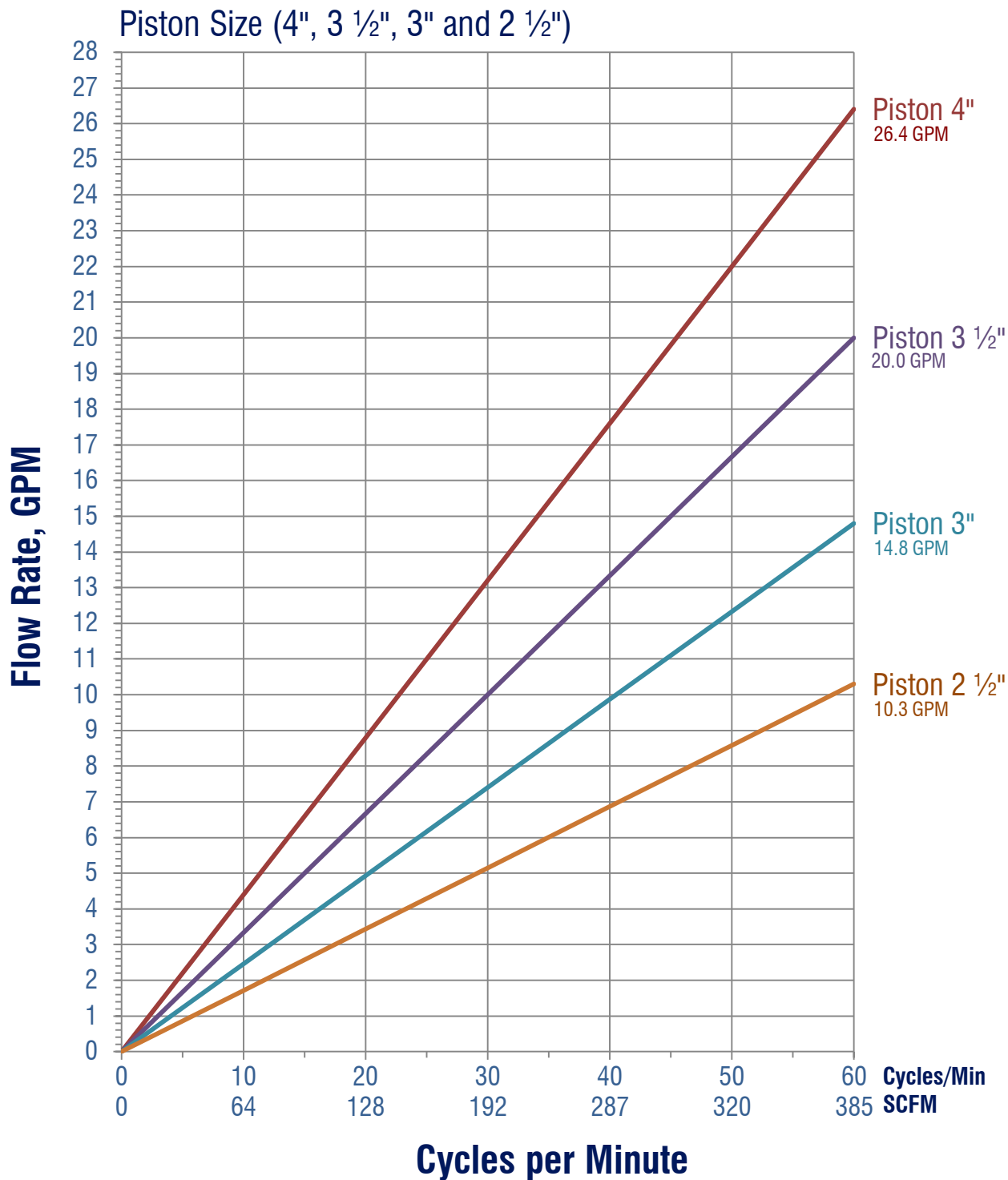


McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 14

Flow Rate Vs. Cycles per Minute





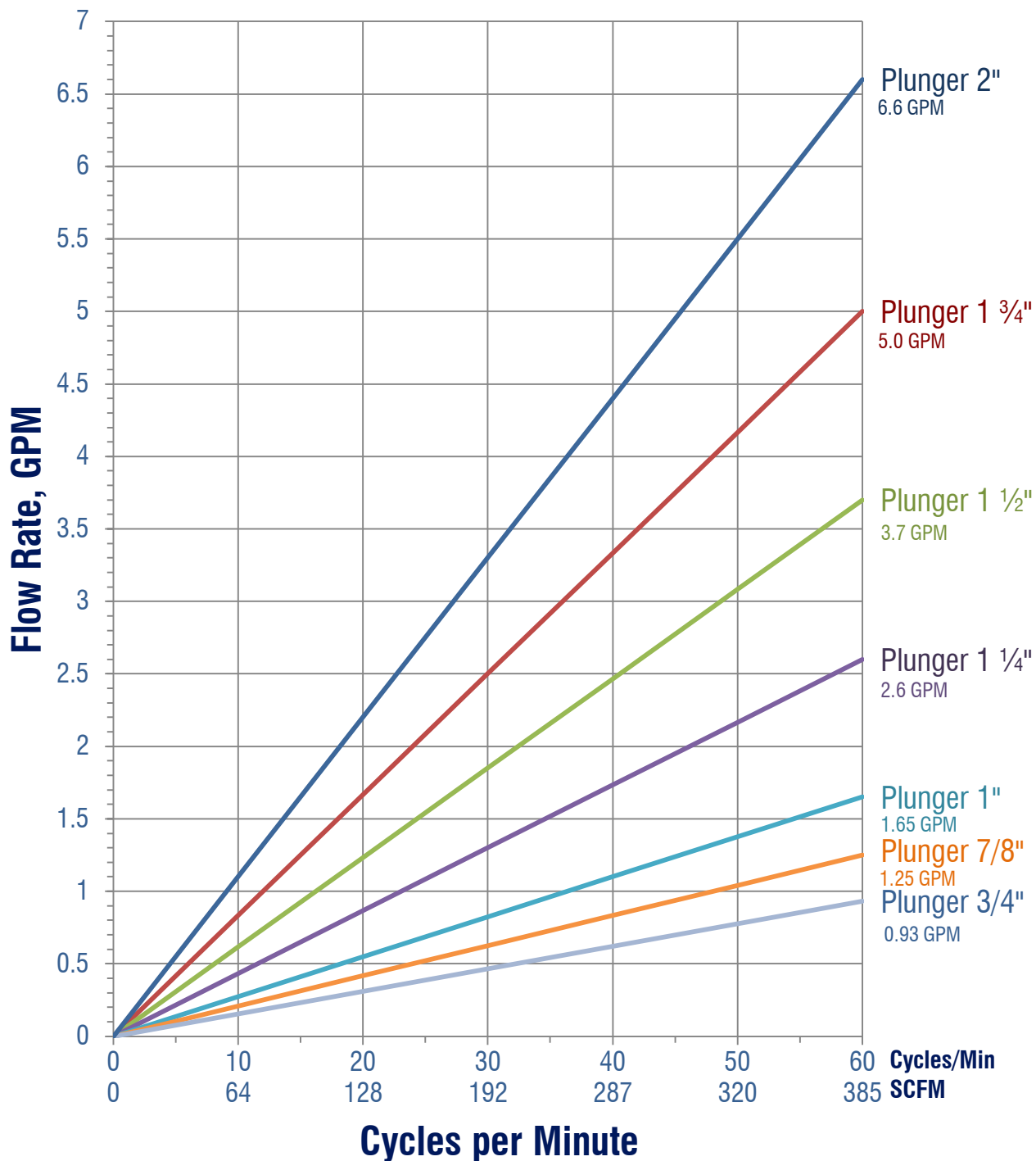
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 14

Flow Rate Vs. Cycles per Minute

Plunger Size (2", 1 3/4", 1 1/2", 1 1/4", 1", 7/8" and 3/4")





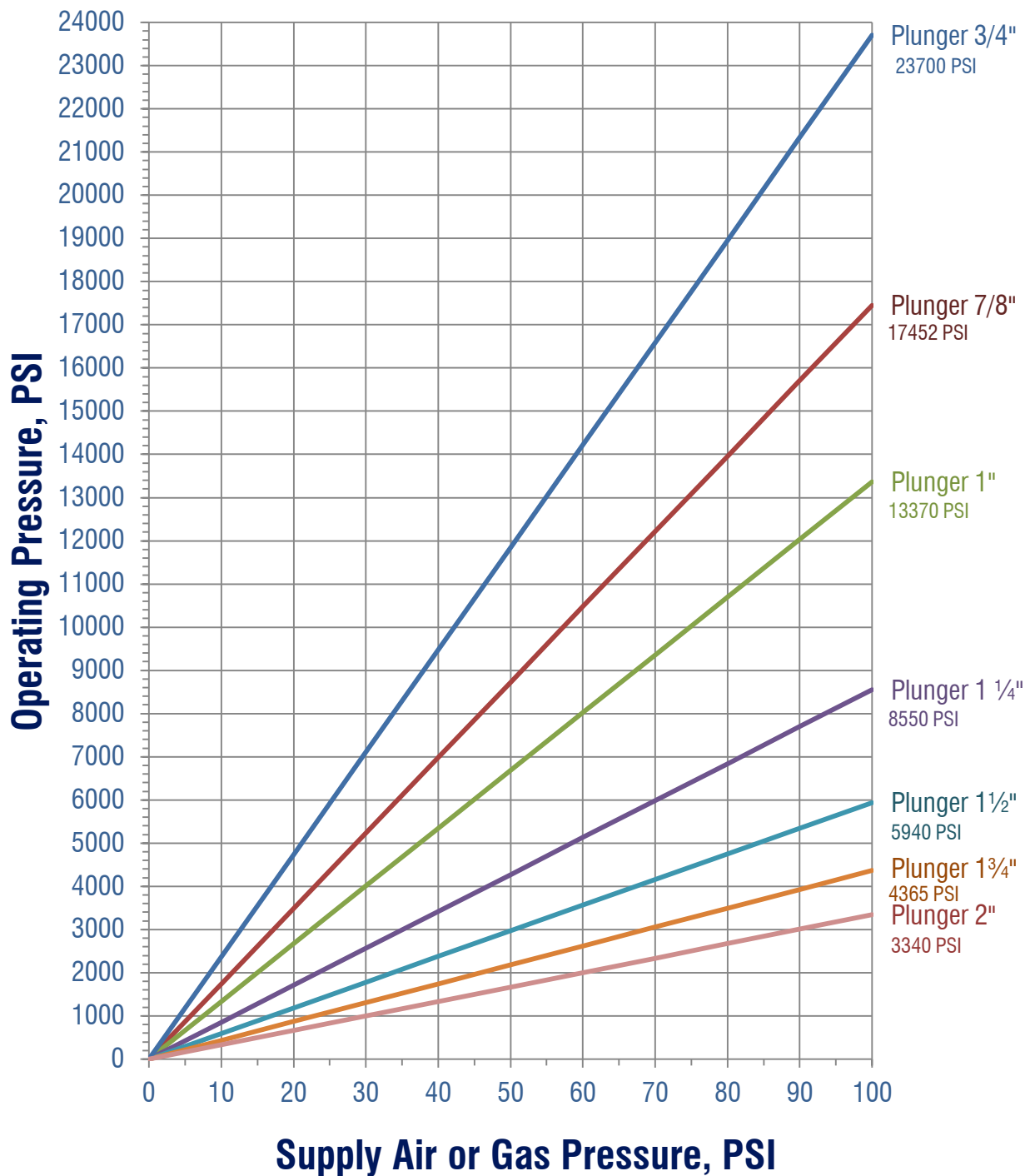
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 14

Operating Pressure vs. Supply Pressure

Plunger Size (3/4", 7/8" , 1", 1 1/4", 1 1/2", 1 3/4" and 2")





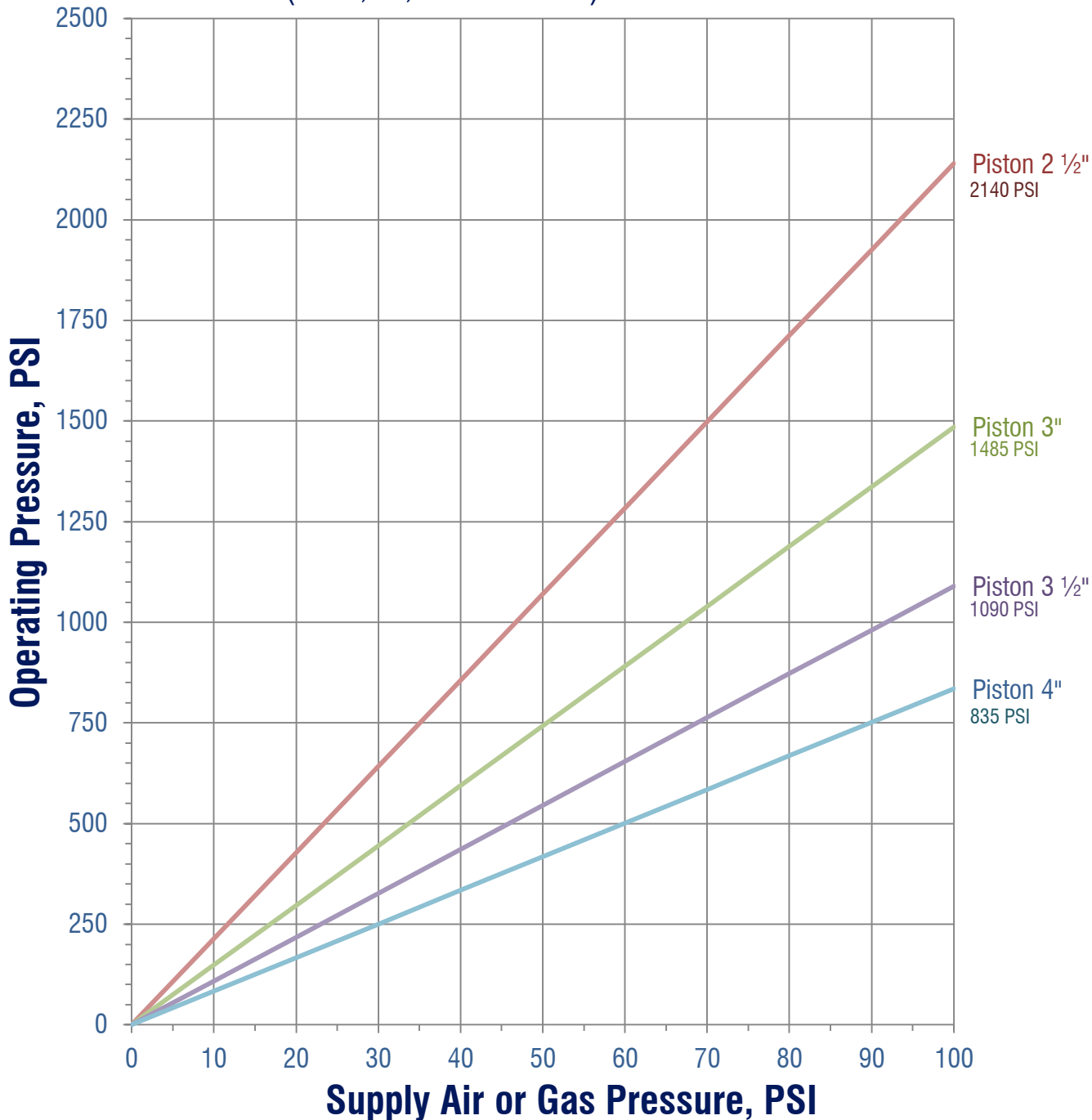
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 14

Operating Pressure vs. Supply Pressure

Piston Size (2 1/2", 3", 3 1/2" and 4")



Address: 921 Seaco Court, Deer Park, Texas 77536, USA

Phone : 1(713)864-3366

Fax : 1(713)864-3252

Email: sales@mcfarlandpump.com, www.mcfarlandpumpgroup.com



100% Made in USA



McFarland – TriTan, LLC.

The “High Pressure” Specialists!

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

Series **MAC 24** API 675 Compliant

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



SPECIFICATIONS

- Power Cylinder Size 4”
- Stroke Length 2”
- Adjustable Speed up to 100 Cycles/Min

FEATURES

- API 675 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, Single Fluid End available if desired.
- Hoses, gauges and other accessories are also available.

Performance Chart- Volume & Pressure

Plunger/Piston Size(in)	* Volume @ 60 cpm		@ 100 psi input pressure				Connections			
			** Operating Pressure		*** Stall Pressure					
	GPM	LPM	PSI	BAR	PSI	BAR	Suction	Discharge	Air/Gas Inlet	Air/Gas Exhaust
3/16"	0.04	0.15	30,765	2,121	37,350	2,575	1/2" NPT Female	9/16" AE MP Female	1/4" NPT Female	1/4" NPT Female
1/4"	0.08	0.30	17,297	1,193	21,000	1,448				
5/16"	0.12	0.45	11,070	763	13,440	927				
3/8"	0.17	0.64	7,690	530	9,340	644	1/2" NPT Female	3/8" NPT Female	1/4" NPT Female	1/4" NPT Female
1/2"	0.31	1.17	4,325	298	5,250	362				
5/8"	0.49	1.85	2,770	191	3,360	232				
3/4"	0.69	2.61	1,920	132	2,330	161				
1"	1.22	4.62	1,080	74	1,310	90				
1 1/4"	1.91	7.23	690	48	840	58	1/2" NPT Female	1/2" NPT Female	1/2" NPT Female	1/4" NPT Female
1 1/2"	2.75	10.41	480	33	580	40				
1 3/4"	3.75	14.20	350	24	430	30				
2"	4.9	18.55	270	19	330	23	3/4" NPT Female	3/4" NPT Female	3/4" NPT Female	1/4" NPT Female

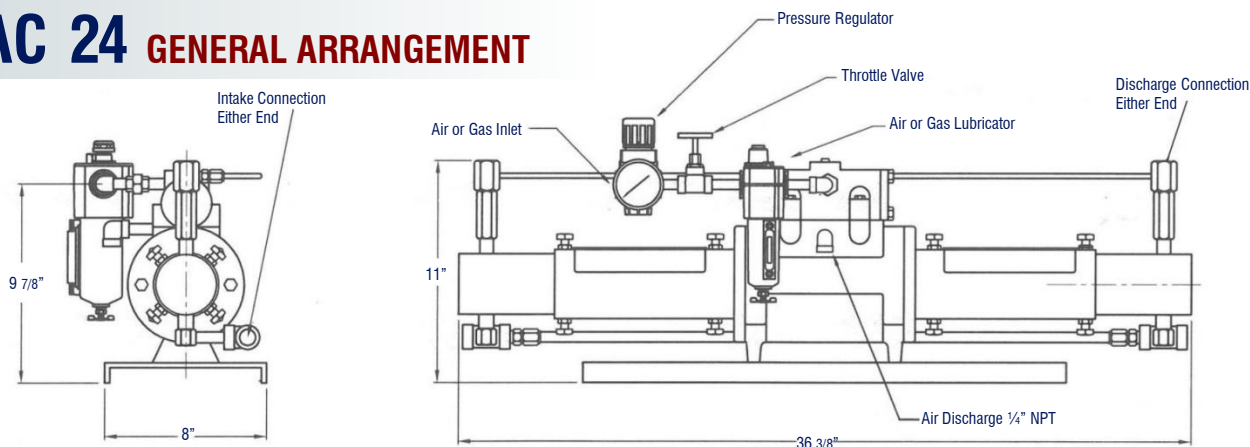
- Note: Volume discharge shown above is for two fluid ends manifolded together, single fluid end volume will be half the above volume discharge shown.



McFarland – TriTan, LLC.

The “High Pressure” Specialists!

MAC 24 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 24 with skid base, drip pan & lifting eyes - Standard McFarland blue color
2. MAC 24 with skid base, guard rail, drip pan and lifting eyes - Standard McFarland blue color.
3. MAC 24 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 24 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





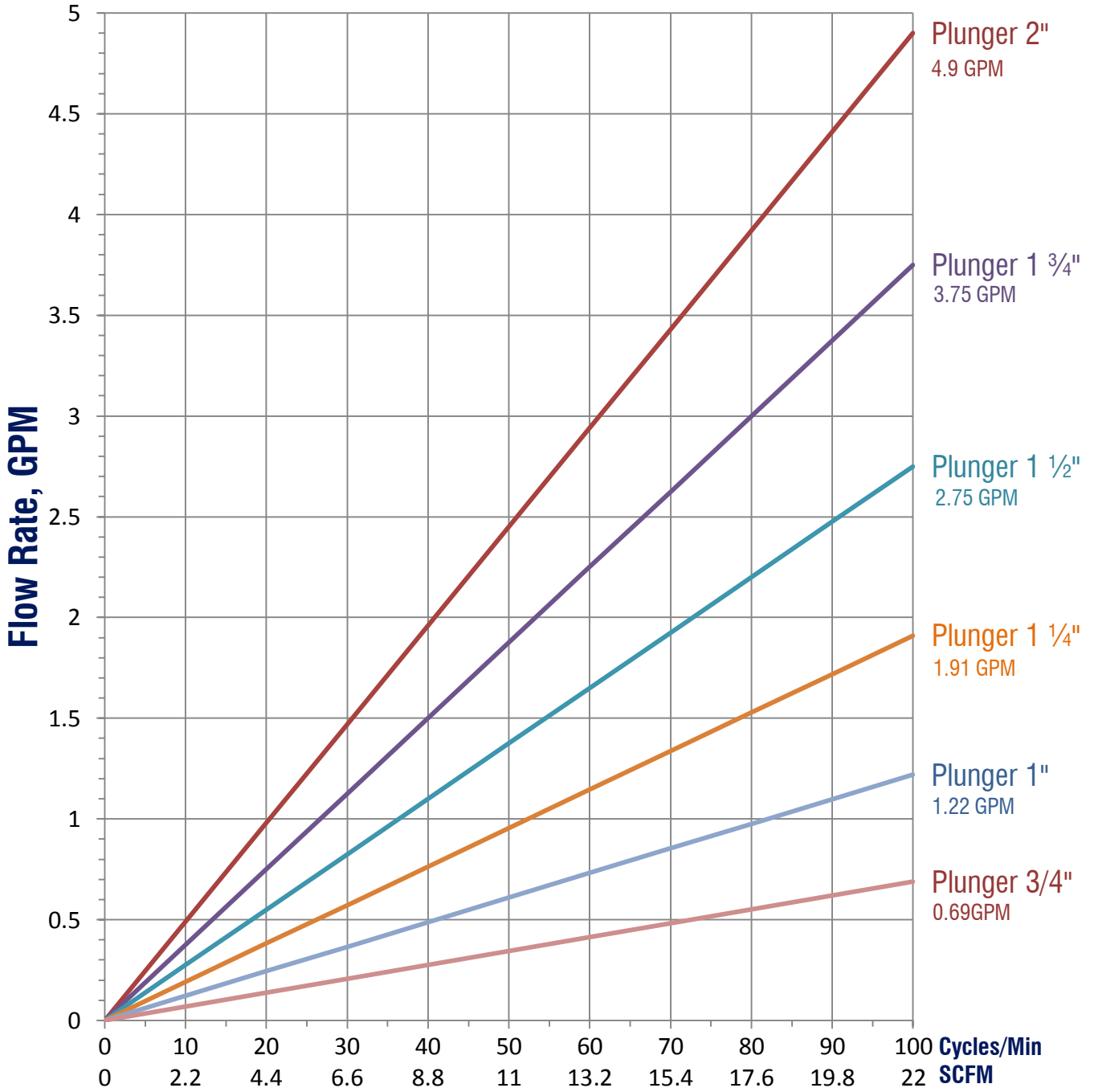
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 24

Flow Rate Vs. Cycles per Minute

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



Cycles per Minute



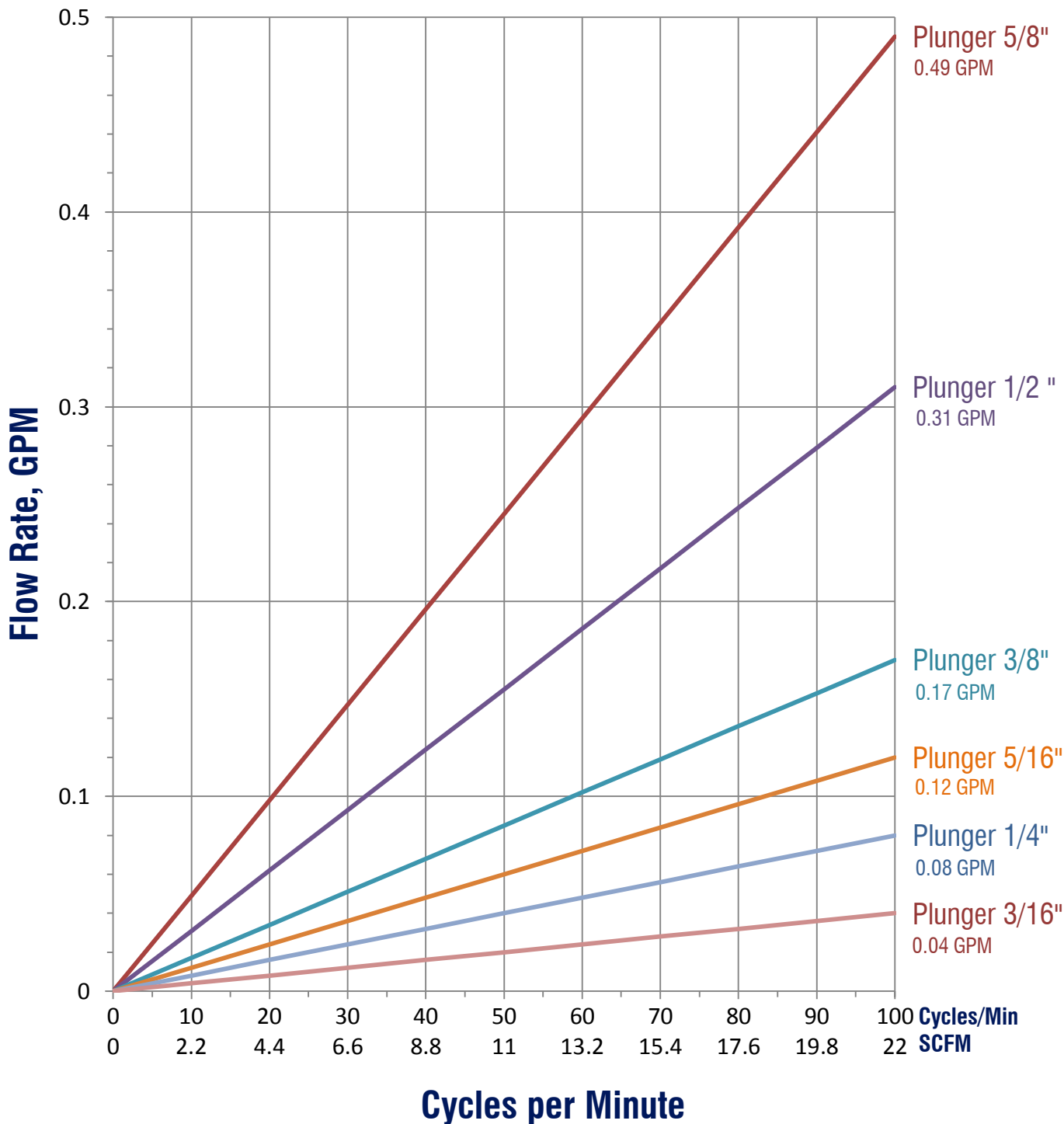
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 24

Flow Rate Vs. Cycles per Minute

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





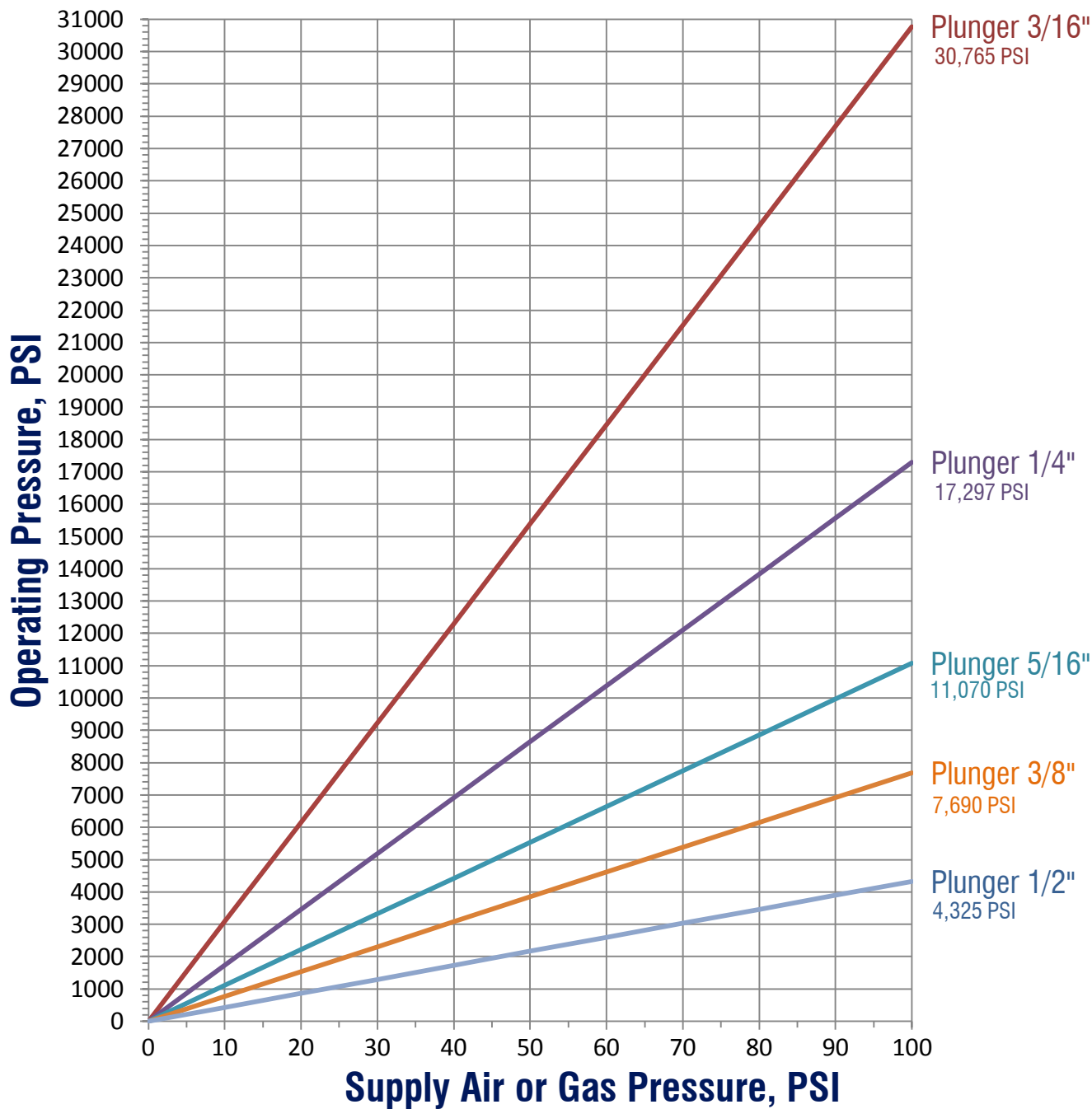
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 24

Operating Pressure vs. Supply Pressure

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





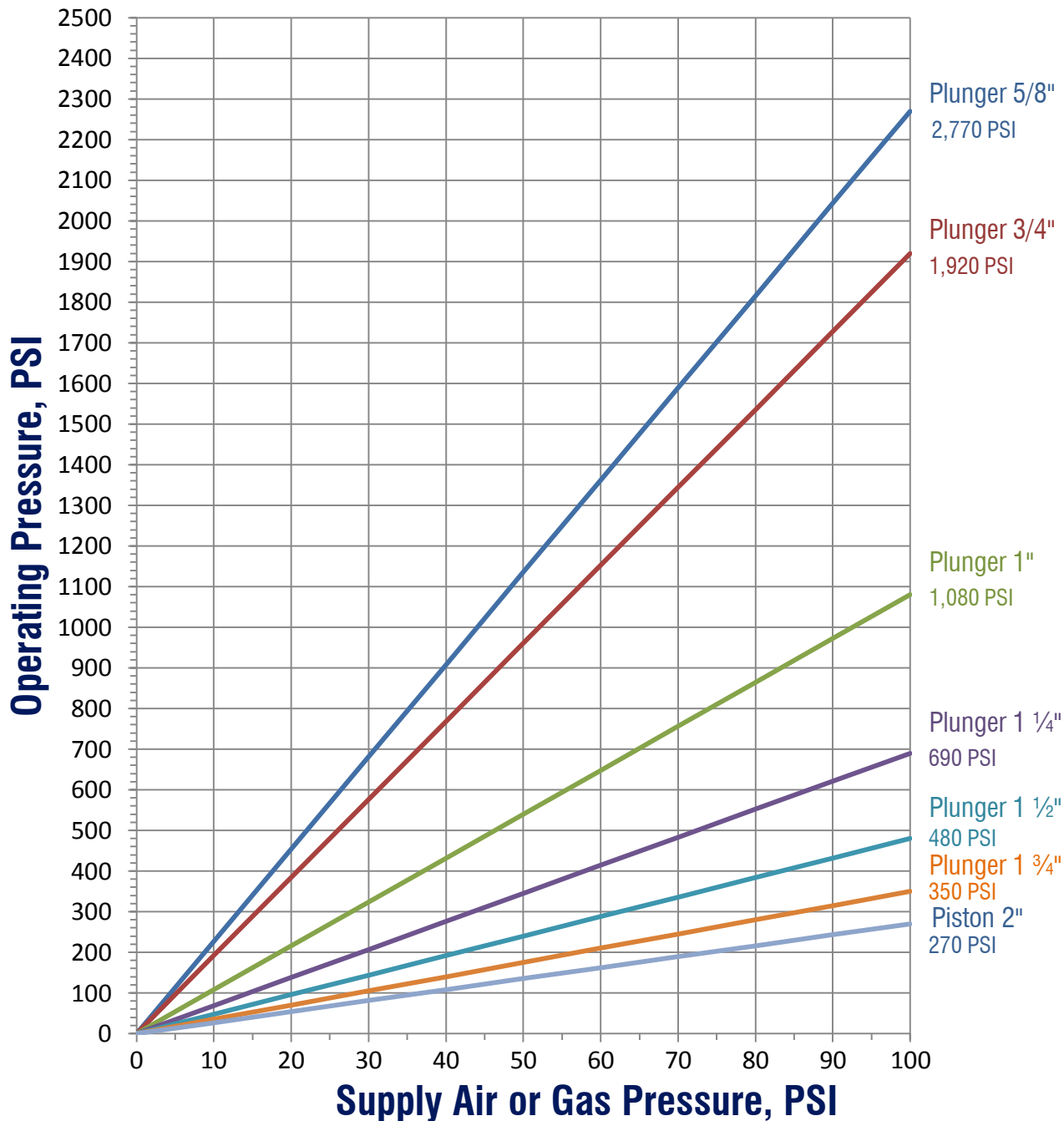
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 24

Operating Pressure vs. Supply Pressure

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



Address: 921 Seaco Court, Deer Park, Texas 77536, USA

Phone : 1(713)864-3366

Fax : 1(713)864-3252

Email: sales@mcfarlandpump.com, www.mcfarlandpumpgroup.com



100% Made in USA



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				

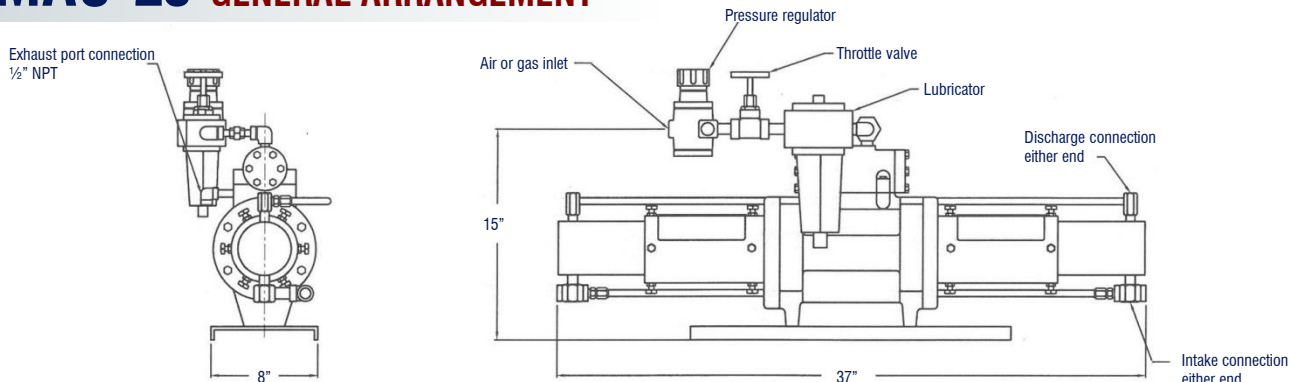
* Volume based on 90% theoretical maximum ** Stall Pressure based on 85% efficiency *** Gas Consumption @ 100 psi and 100 cpm = 51 SCFM



McFarland – TriTan, LLC.

The “High Pressure” Specialists!

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



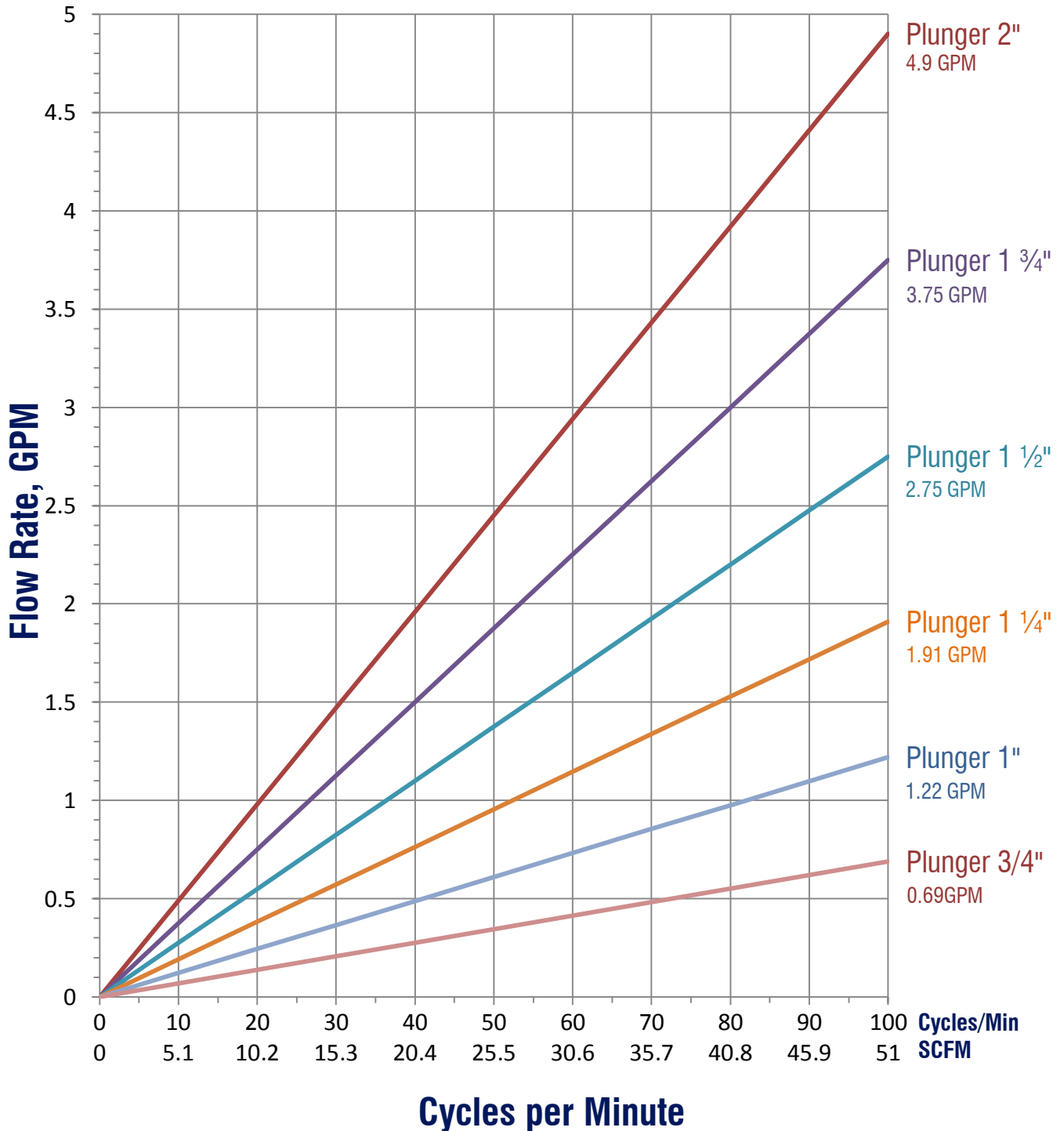
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 26

Flow Rate Vs. Cycles per Minute

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





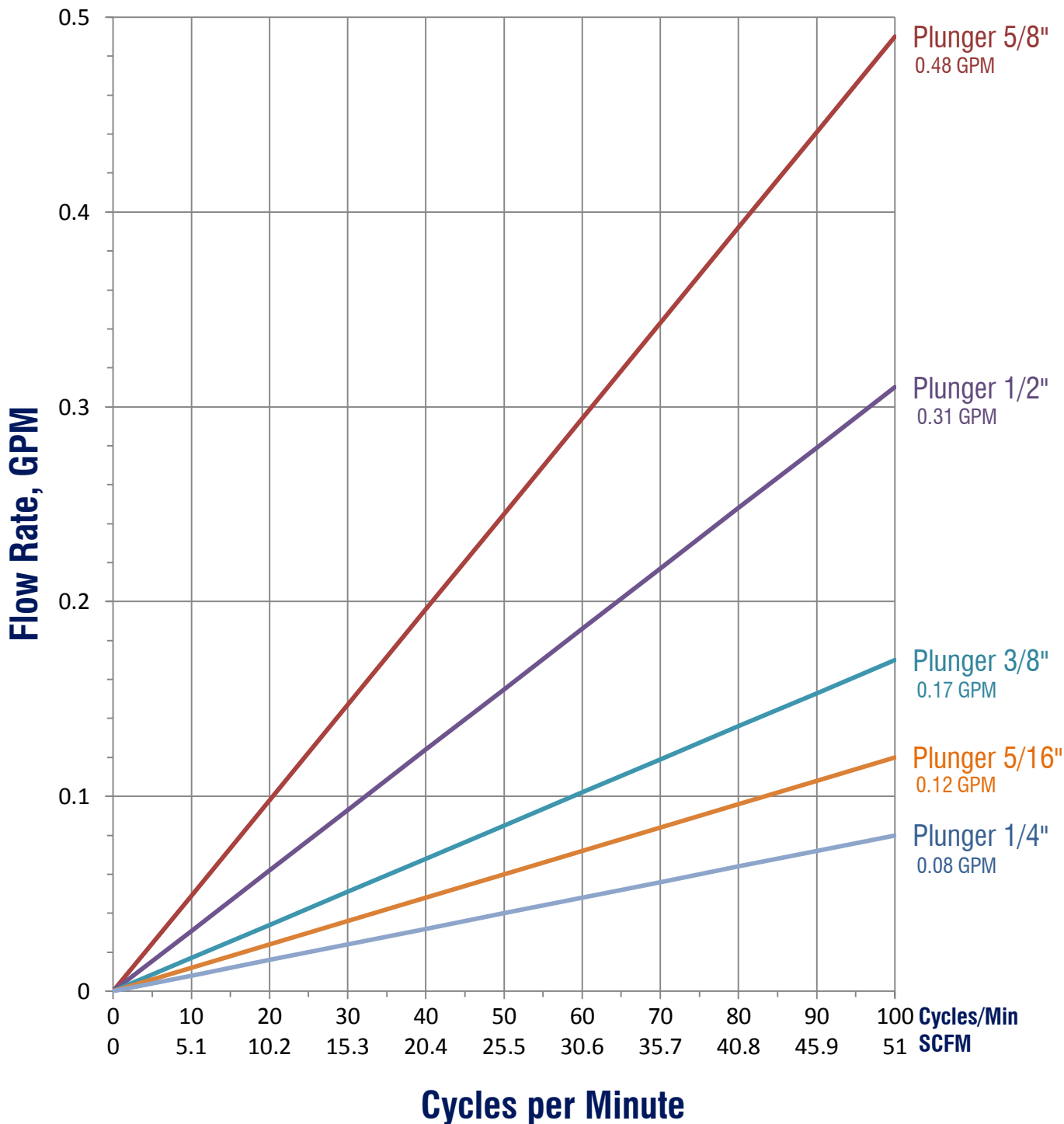
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 26

Flow Rate Vs. Cycles per Minute

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





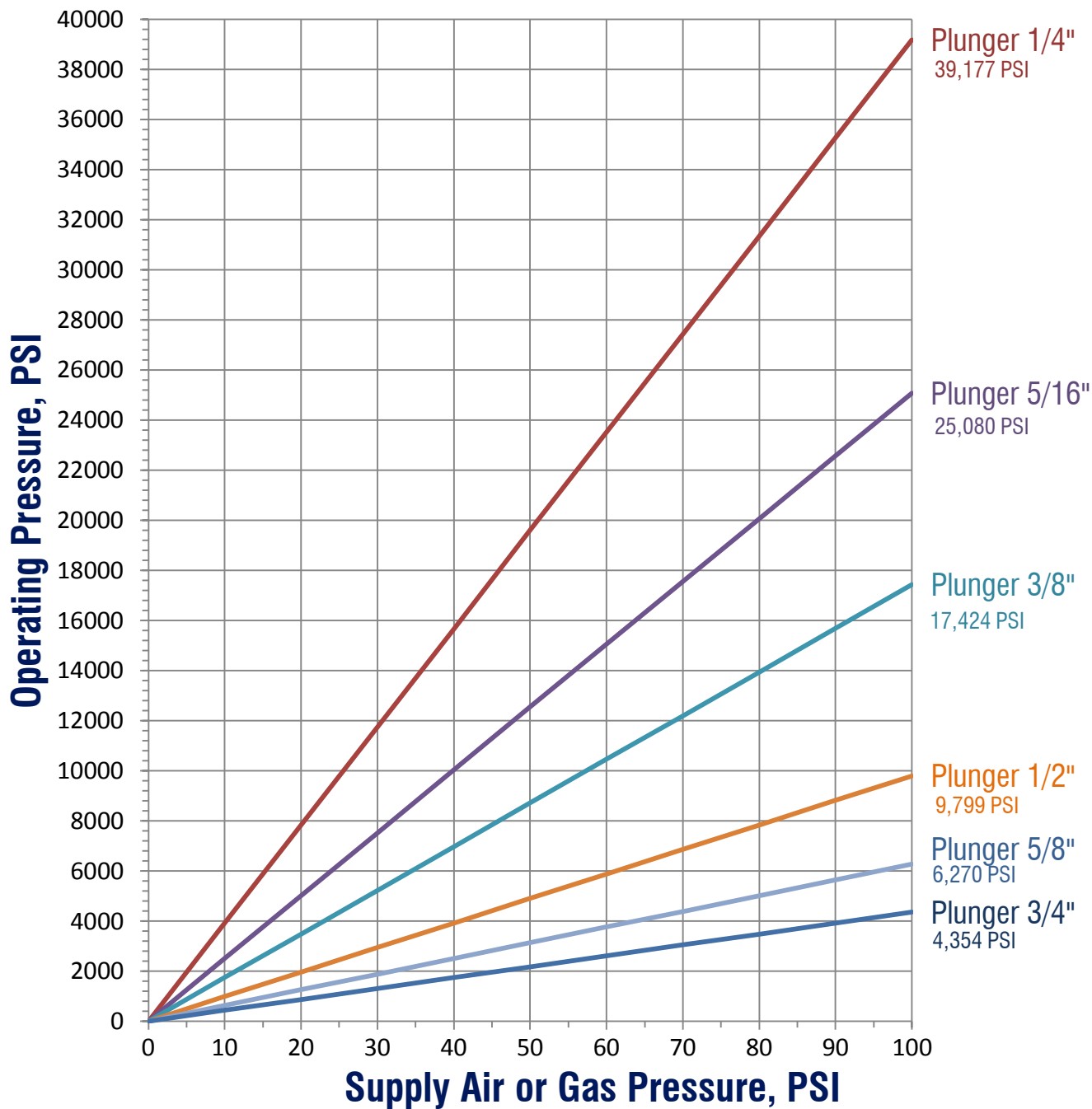
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 26

Operating Pressure vs. Supply Pressure

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





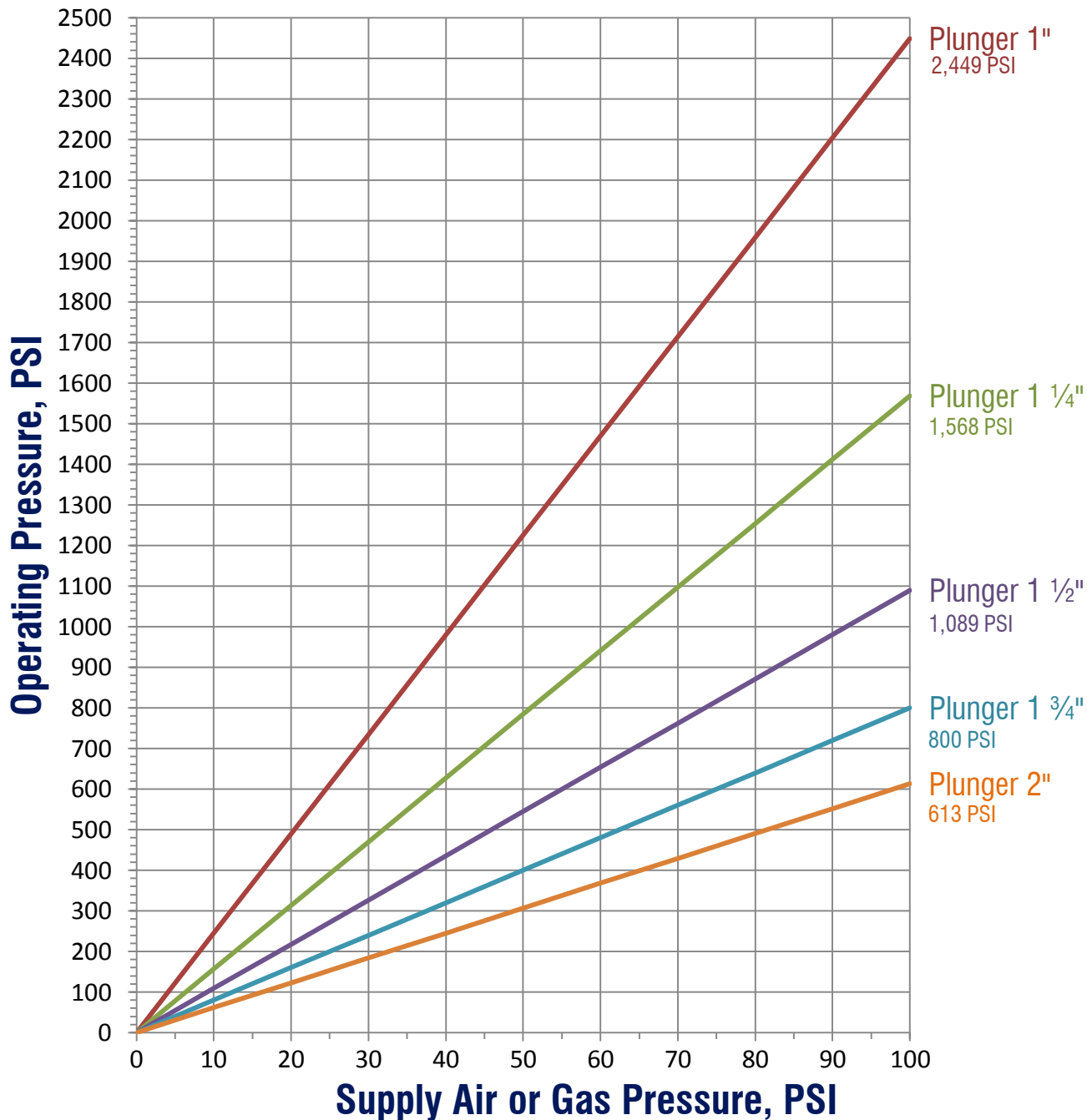
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 26

Operating Pressure vs. Supply Pressure

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



Address: 921 Seaco Court, Deer Park, Texas 77536, USA

Phone : 1(713)864-3366

Fax : 1(713)864-3252

Email: sales@mcfarlandpump.com, www.mcfarlandpumpgroup.com



100% Made in USA



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					
	GPM	LPM	PSI	BAR	PSI	BAR	Suction	Discharge	Air/Gas Inlet	Air/Gas Exhaust
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	----	-----	-----	-----	-----				

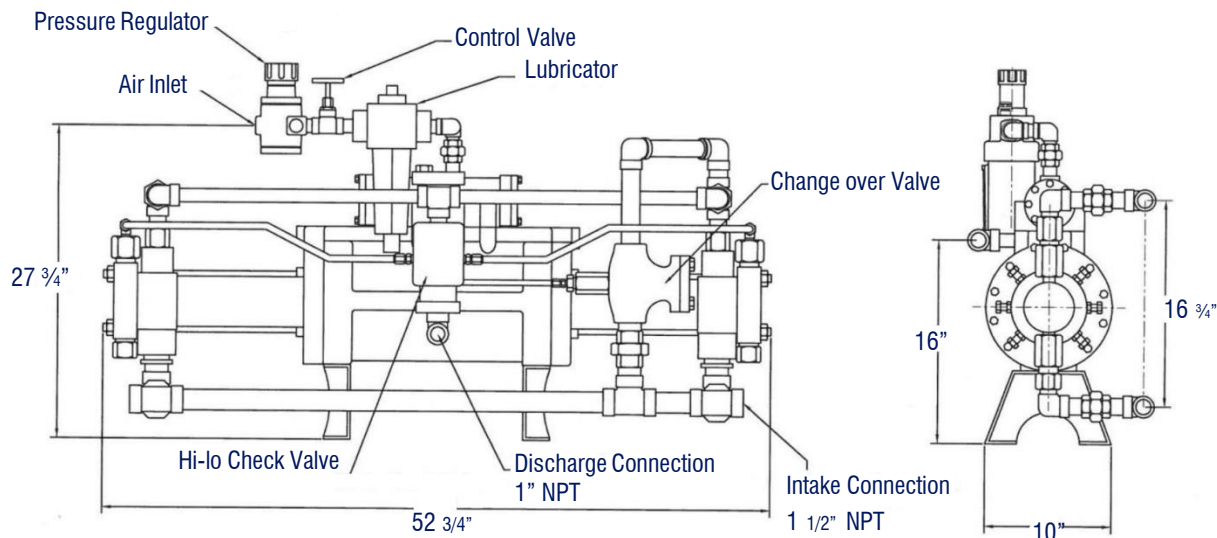
- Note: Volume discharge shown above is for two fluid ends manifolded together.



McFarland – TriTan, LLC.

The “High Pressure” Specialists!

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.



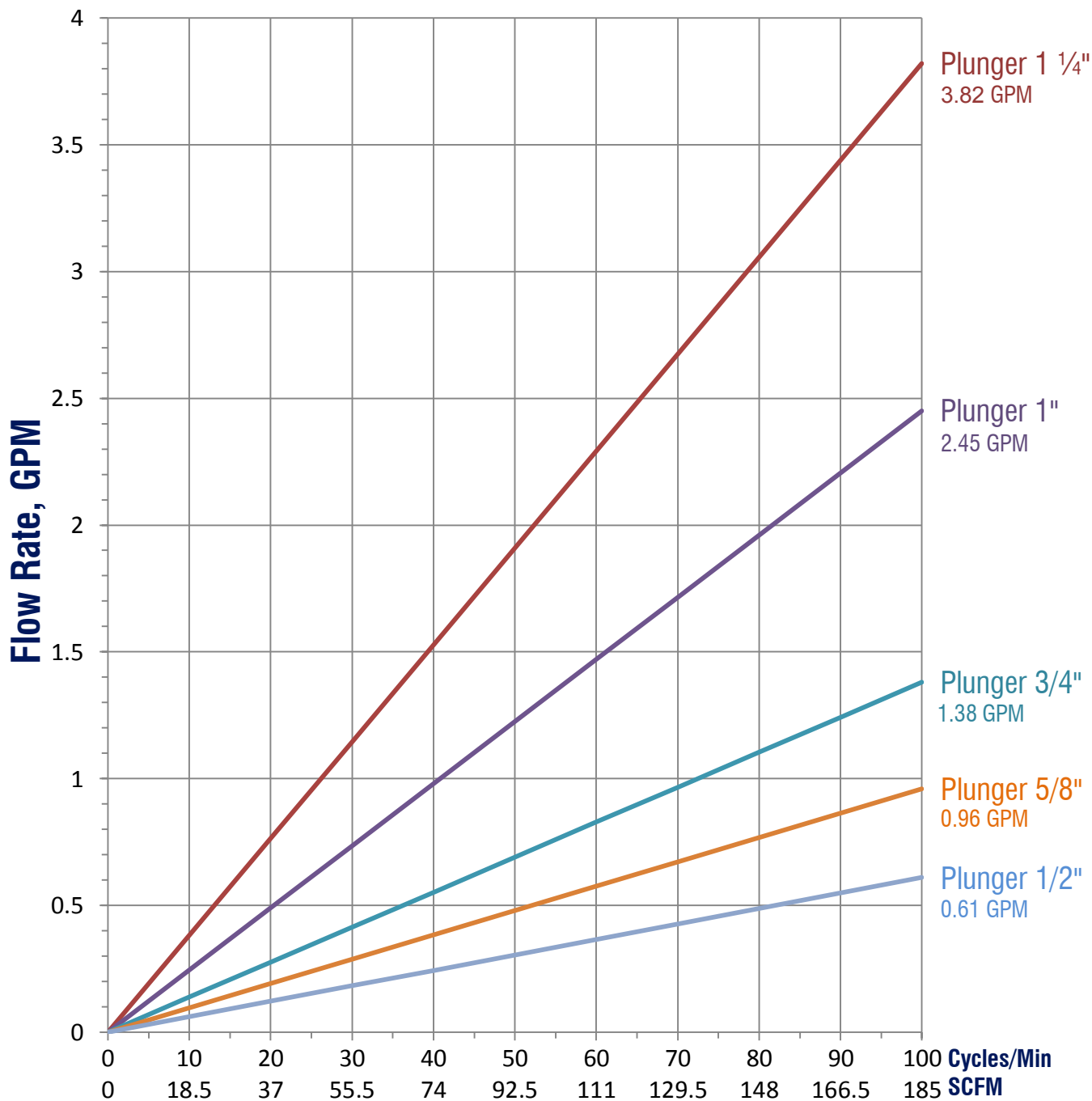
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 28-2

Flow Rate Vs. Cycles per Minute

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



Cycles per Minute

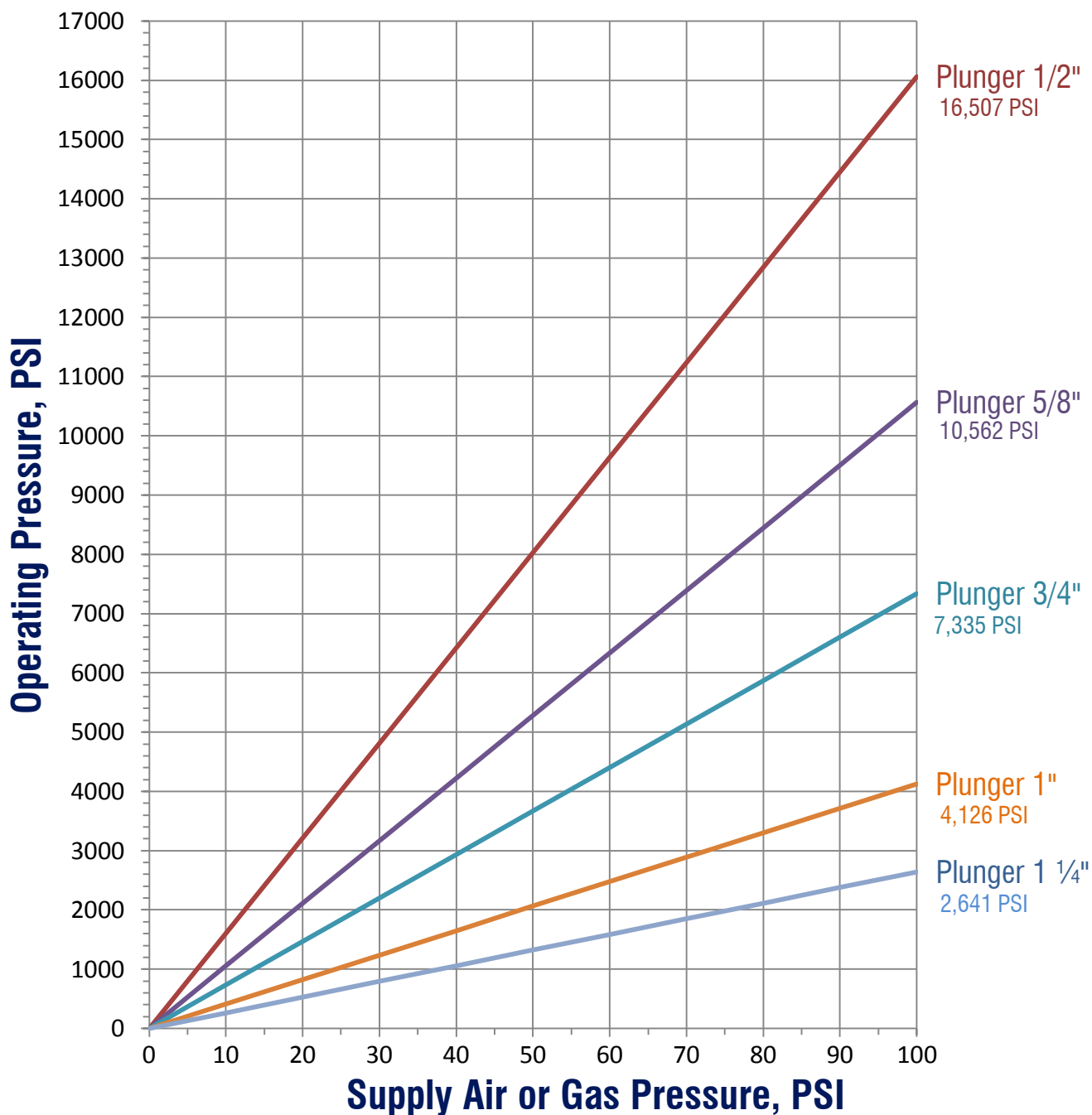


McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 28-2 Operating Pressure vs. Supply Pressure

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



Address: 921 Seaco Court, Deer Park, Texas 77536, USA

Phone : 1(713)864-3366

Fax : 1(713)864-3252

Email: sales@mcfarlandpump.com, www.mcfarlandpumpgroup.com



100% Made in USA



McFarland – TriTan, LLC.

The "High Pressure" Specialists!

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

Series **MAC 28-1** API 674 Compliant

Single Acting Reciprocating Pump – Air/Gas Driven

Hydrostatic Testing - Chemical Injection Pump

SPECIFICATIONS

- Power Cylinder Size 8"
- Stroke Length 4"
- Up to 100 PSI Supply Air/Gas Pressure.
- 185 SCFM Air/Gas Consumption @100 cpm
- Temperature Range -20°F to +140°F
- Compact, Portable, Weight 475 lbs.
- Shipping Cube 58.5 ft.



FEATURES

- Wide Pressure Range
- 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					
	GPM	LPM	PSI	BAR	PSI	BAR	Suction	Discharge	Air/Gas Inlet	Air/Gas Exhaust
1/2"	0.61	2.31	16,507	1,138	20,044	1,381	1½" NPT Female	9/16" AE Female 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	1½" NPT	3/4" NPT	¾" NPT Female	1" NPT Female
1"	2.45	9.27	4,126	284	5,010	345				
1 ¼"	3.82	14.46	2,641	182	3,207	221				
1 ½"	5.51	20.86	1,834	126	2,227	153				
1 ¾"	7.50	28.39	1,348	93	1,636	113				
2"	9.79	37.06	1,031	71	1,252	86				
2 1/2"	15.30	57.92	660	45	801	55	1½" NPT	1" NPT	¾" NPT Female	1" NPT Female
3"	22.03	83.39	458	31	556	38				
3 ½"	29.99	113.52	337	23	409	28	1½" NPT	1½" NPT	¾" NPT Female	1" NPT Female

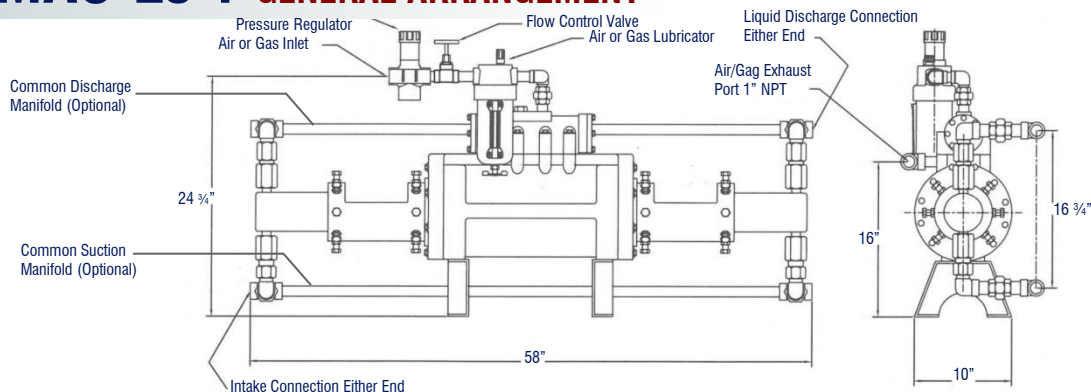
* Volume based on 90% theoretical maximum ** Stall Pressure based on 85% efficiency *** Gas Consumption @ 100 psi and 100 cpm = 185 SCFM



McFarland – TriTan, LLC.

The “High Pressure” Specialists!

MAC 28-1 GENERAL ARRANGEMENT



STD 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 / Cast Steel / St.St.
- Air Valve Housing –Cast Aluminum
- Check Valves-Stainless Steel
- Air Valve Core –Brass

STANDARD EQUIPMENT

- Air/ Gas Pressure Regulator With Pressure Gauge
- Air/Gas Flow Control valve
- Air/Gas Lubricator
- 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.
7. MAC 28 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



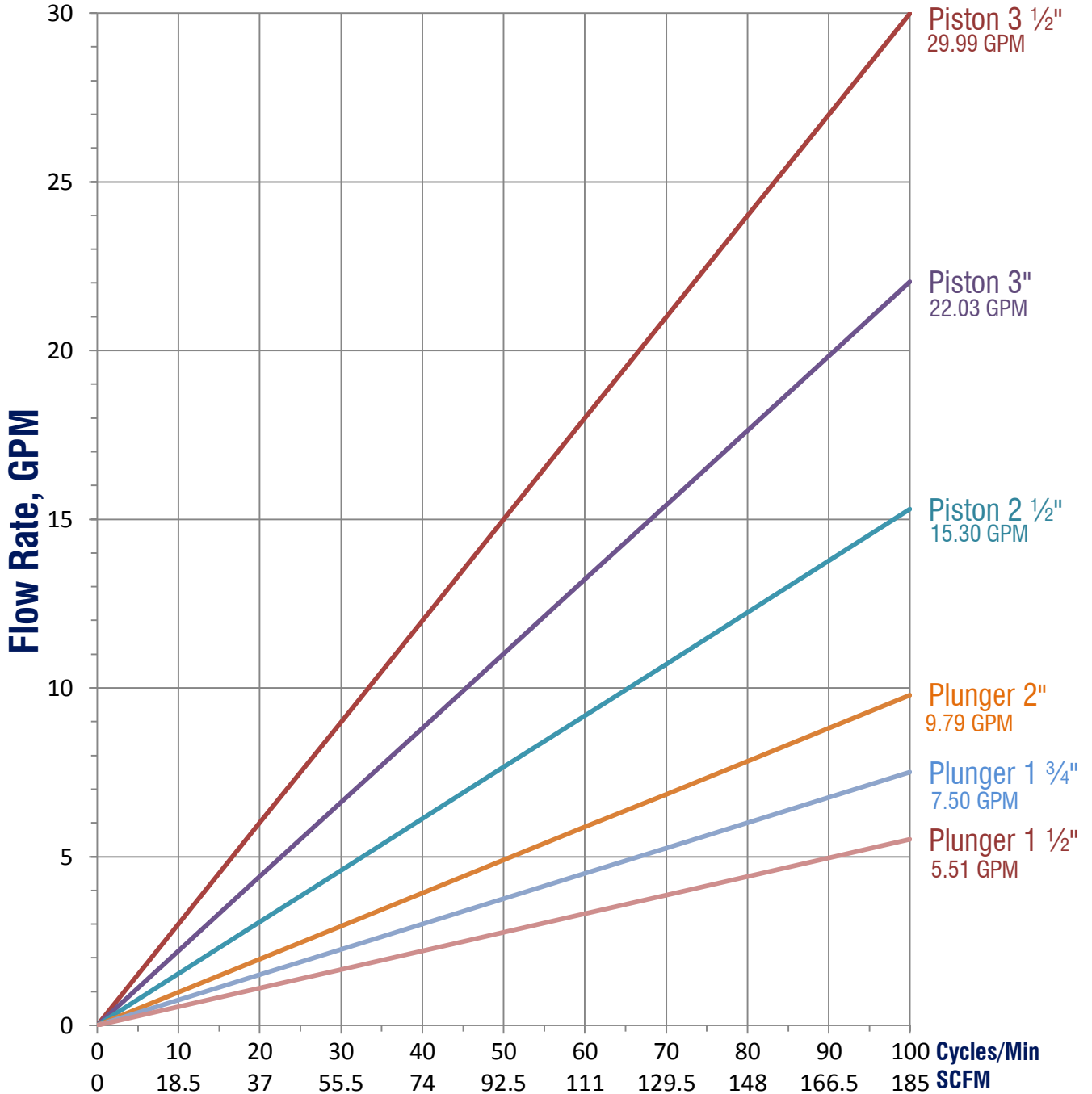
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 28-1

Flow Rate Vs. Cycles per Minute

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



Cycles per Minute



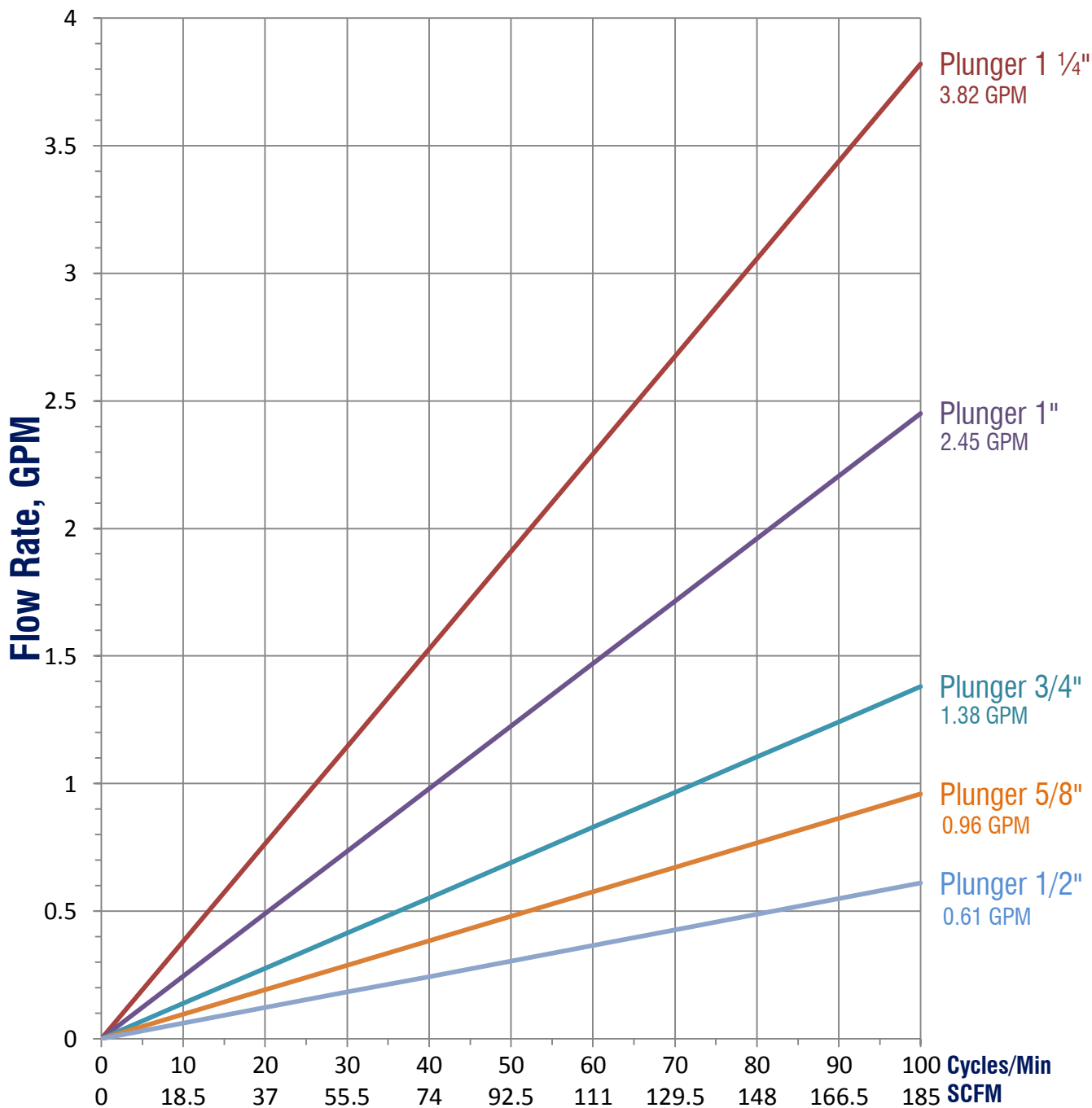
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 28-1

Flow Rate Vs. Cycles Per Minute

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



Cycles per Minute



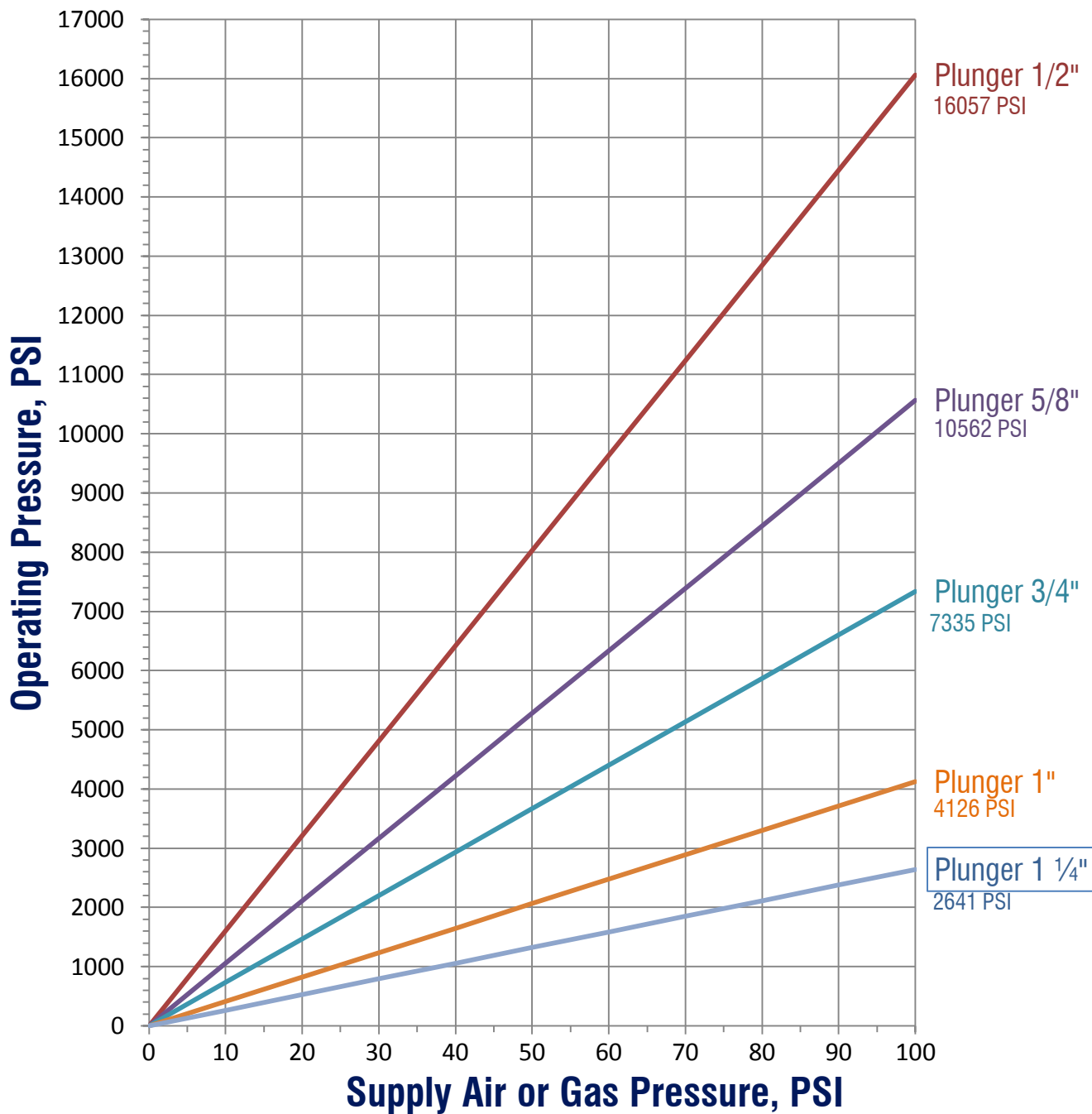
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 28-1

Operating Pressure vs. Supply Pressure

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





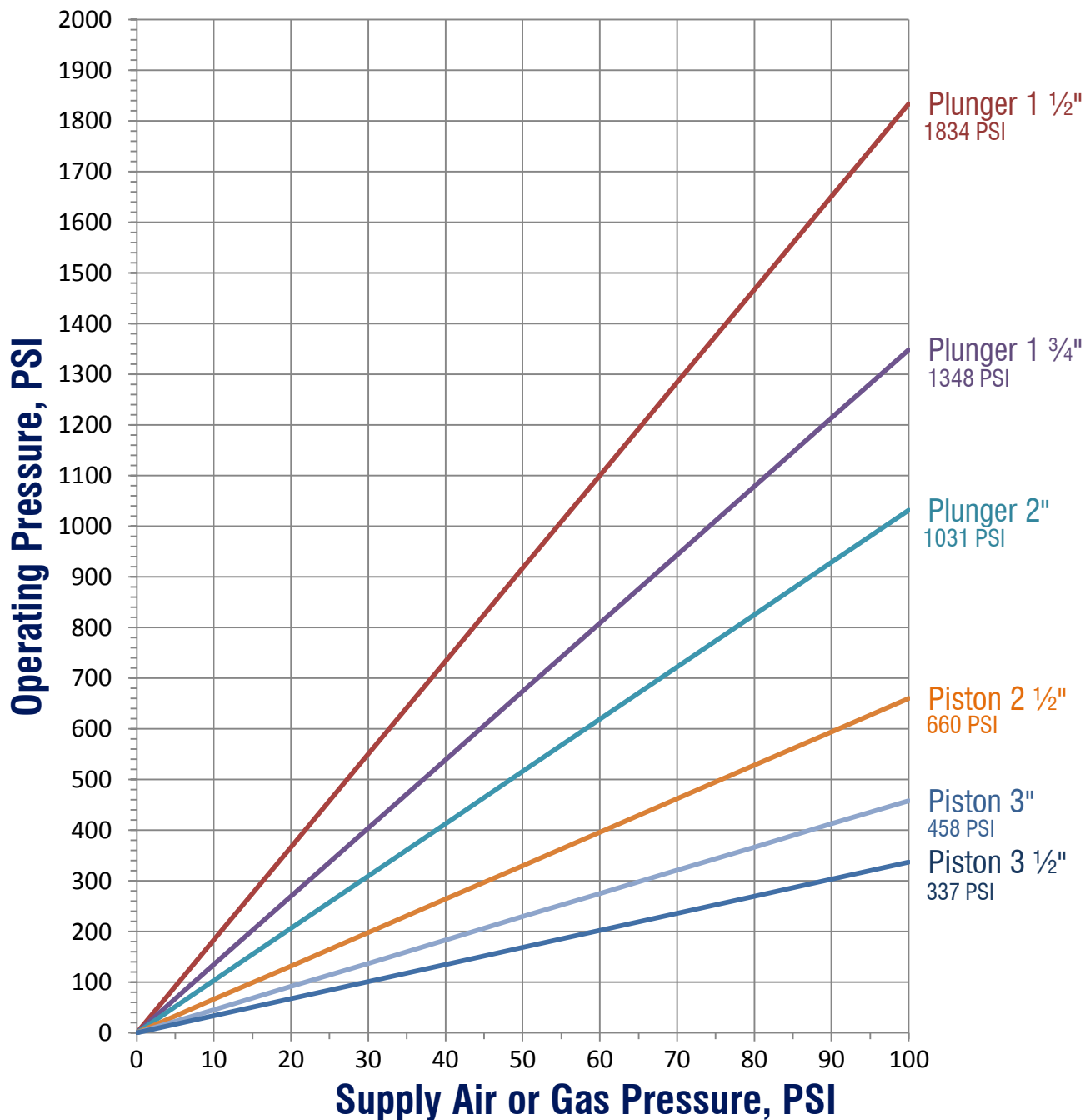
McFarland – TriTan, LLC.

The "High Pressure" Specialists!

MAC 28-1

Operating Pressure vs. Supply Pressure

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



Address: 921 Seaco Court, Deer Park, Texas 77536, USA

Phone : 1(713)864-3366

Fax : 1(713)864-3252

Email: sales@mcfarlandpump.com,

www.mcfarlandpumpgroup.com



100% Made in USA