



Polaris Polyurethane Systems

An in-depth look at our Polaris and its many features and specifications.

*Phoenix
eCatalog*

2025

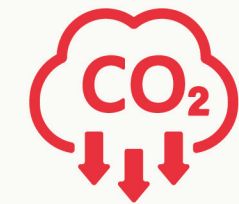
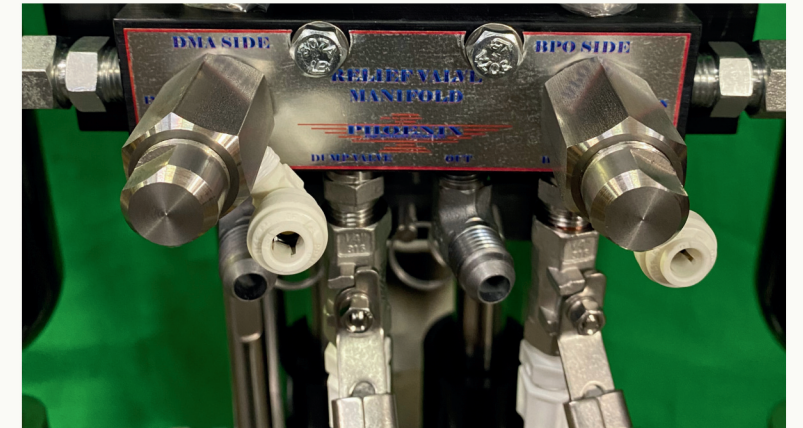
POLARIS
PHOENIX
EQUIPMENT COMPANY



POLARIS

CHOPPER SYSTEM

Simple and Maintenance-Free!



Available in 4 different Pump Ratios for Spray or Pour Applications.

These systems are built to last and feature a **duel 1.0** or **2.0 GPM** Stainless Steel Fluid Pumps with Triple Upper Seals to prevent moisture attack, additionally w/Quick-Pin Disassembly that provides Rapid Pump Rebuild or Replacement.

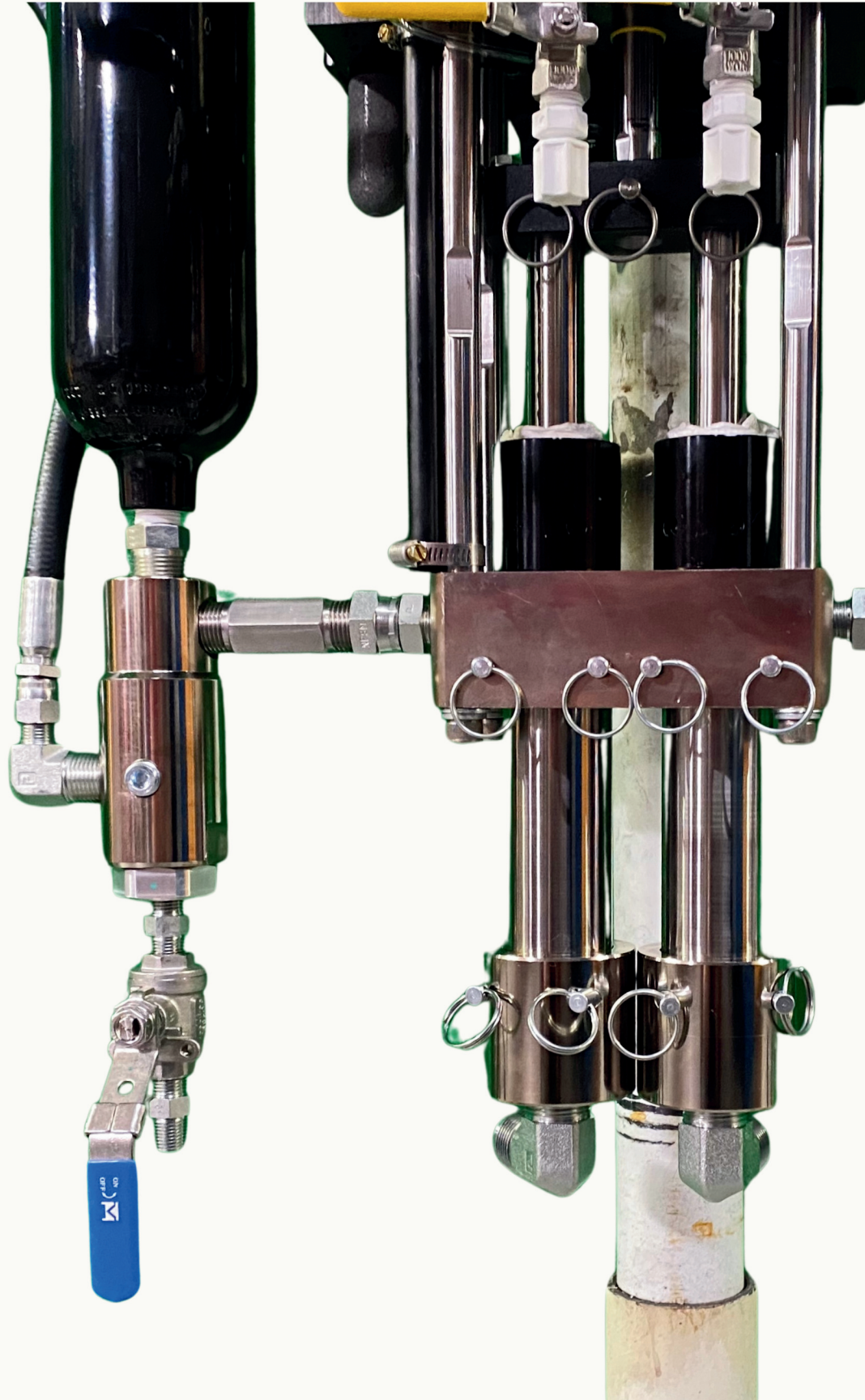
22:1 (2200) lbs maximum spray pressure for each 100 lbs of air pressure input.



8.1 13.1 22.1 40.1

PROCESSES COATINGS, ADHESIVES, POLYURETHANE FOAMS, POLYURETHANE ELASTOMERS, POLYUREAS AND MORE WITH ABSOLUTE EASE!

POLARIS



Technical Characteristics

Pneumatically powered reciprocating pump system with air actuated impingement dispense gun for use with urethane foams not requiring heat

Connection Scheme

- (2) - 3/8" x 3/4" Suction assemblies from system to drum using # 12 JIC compression fittings
- (1) - 3/8" Pressure Hose set with #6 JIC fittings

Pressure

2000 PSI Maximum pressure (138 BAR)

Power Requirement

15 CFM @ 30 strokes per minute

Maximum Flow

2 GPM @ 60 Cycles per Minute

Temp Requirement

Minimum temp 50 degrees Fahrenheit to 200 degrees Fahrenheit maximum

Pumps

(2) - 1 GPM reciprocating pumps. Pumps are self priming

Hose

Maximum length of system hose to gun is 200 feet. Our systems are shipped w/standard 25 foot hoses

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This With The Addition Of Optional Line Heaters, a Hose Heater, and Our Programmable Dispense Meter, This System Can Become The Ultimate In 2-Component Dispense Technology.

THE
8:1
POLARIS
22:1
POLYUREA

Featured in 8:1, 13:1, 22:1, 40:1 Pump Ratios



System Features

- Material Pump Quick Pin Disassembly
 - Triple “No Leak” Upper Seals
 - Long Wearing Pump Piston Seals
 - Variable Output
 - Variable Spray Pattern
 - Hardened Components
- Stainless Steel/Teflon Hoses
 - Several Mounting Options Available
 - Spare Parts Kits w/ Choice of Tip
 - 1 Year Warranty



PHOENIX

EQUIPMENT COMPANY

WHY PHOENIX

- 1 Quality** - *We build both catalyst and resin pumps from 304 Stainless for long wear they are not just plated steel. Every system is designed and assembled here in our facility, which means that replacement parts are made in house on our own CNC machines. It also means that replacement parts are readily available for same day ship. So less down time for you.*
We sell less parts than any other manufacturer and when you do need a part ours are less expensive.
- 2 Customer Service** - *We have been manufacturing systems since 1998. We are a family owned business who work hard to provide our customers with the best service and you can speak directly to the man who designs the systems, Scott McGehee.*
He is available 7 days a week if you need him.
- 3 Breakdown Simplicity** - *We were the first to use pull pins for ease of dismantling the resin pump. Our standard 5000 gun is being used by manufacturers worldwide. It is easily rebuildable and can be used for RTM, Wetout, Chop or Gelcoat with the change of the front cap and tip.*
No need for several different guns.



You Can Contact Us

Give us a call, text or email
for REAL Solutions!



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BOOM
SCHEMATICS

