Probler P2 Gun

The Probler P2 is the newest, smallest, and lightest gun available for plural component polyurethane foam and polyurea coatings spray systems.

No room for less than perfection
When you are spraying fast set materials there is no room for error. The spray gun needs to perform at 100% efficiency - 100% of the time.

GlasCraft understands that the spray gun and its efficient operation is critical to maximizing profitability, uptime, quality, and overall customer satisfaction. We focused on this when designing the patented technology used in the Probler P2.

Cut operational costs in half over the life of the gun due to significant reduction in replacement parts demand.

- The precise manufacturing of the patent pending mixing chamber and insert have resulted in an 88% lower cost of operation when compared with the competition's metal seal gun.

Competitors Metal Seal Gun

GlasCraft's Probler P2

- The proven choice for the best spray crews due to the gun's rugged design, high reliability, ease of use, and simple maintenance.

"We have been spraying foam insulation almost everyday for 2 years with the Probler P2. We've had no repairs and very little maintenance is required. The P2 is a winner."
TK – *Southern US foam insulation contractor*

The Probler P2 was designed with over 30 years experience in spraying every type of plural component material in hundreds of diverse applications. Our extensive design and testing of the Probler P2 involved operators, maintenance personnel, and spray operation managers from around the world. This comprehensive process resulted in the manufacture of the most advanced plural component gun available - and another industry benchmark brought to you by GlasCraft.

In addition to patented and exclusive technology in the P2 noted above, the following design and performance features should be noted:

- More trigger force than other guns
- The o-rings and side-seals are available in a variety of materials to meet your specific application
- Material filters on the A and B sides
- Ergonomic handle for comfortable spraying

Whether you are applying insulation foam, spraying bed liners, or spraying polyurea, the Probler P2 is the most reliable and consistent spray gun available today.

Standard Probler P2 (23950-XX)
Probler P2 Elite (23940-XX)

Technology for Fast Set Foam and Coatings

Patent-Pending Endurance Chamber

This is a 2 piece mixing chamber design that is completely new to fast set foam and coatings. The 2 piece design gives better control over the surface finish and dimensions of the material flow passage.

Benefits to the end user:
- Less cleaning - up to 10 times longer operation time without drilling out the mixing chamber
- Better spray pattern - improved round bore and finish of the chamber interior results in a better material flow path and spray pattern
- Lower cost maintenance - the chamber insert can be replaced without replacing the entire chamber - the most expensive business part of the gun

Patented High Velocity Piston

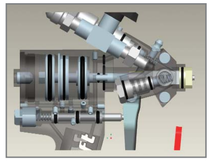
This is a double piston design that gives more trigger force from a smaller piston diameter.

Benefits to the end user:
- Smallest and lightest production volume gun in the industry
- Over 300 lbs triggering force
- No stick chamber
- Less maintenance

Piston Isolation Design

This special porting in the Probler P2 virtually eliminates the possibility of material entering the air piston of the gun.

Benefits to the end user:
- Consistent trigger operation and air purge
- Lower maintenance costs
- Less downtime



Pure Polyurea coating applied to secondary containment at a water treatment facility

5845 West 82nd Street
Indianapolis, IN 46278

Phone: 317-875-5592
Fax: 317-875-5456
Email: sales@glascraft.com

www.glascraft.com

REGISTERED TO ISO 9001:2000 QUALITY SYSTEMS

CE Certified

a COHESANT company

GlasCraft DISPENSING EXCELLENCE

GC 5042

GlasCraft DISPENSING EXCELLENCE

"We run the Probler P2 on 4 foam insulation trailers. Since switching to the Probler P2 from another gun with metal seals, we have reduced our gun repair costs by 75%. We can count on the P2 to spray everyday."

C.K. - Insulation Contractor

ADS ADVANCED DISPENSE SYSTEMS

Probler P2 Gun

Dispense Technology for Polyurethane Foam & Adhesives
Dispense Technology for Polyurea & Elastomeric Coatings

Probler P2 Dispense Gun

Optional Accessories and Process Components

Flat Spray Adapter
23976-00

The Flat Spray Adapter can be added to the Probler P2 spray gun. This allows for the use of various sizes of fan spray type nozzles. GlasCraft offers both traditional airless nozzles and the unique "stud wall" spray nozzle for spraying into wall cavities.

Traditional Airless Spray Nozzle
LPA2-147-XXXX

The airless nozzle can be ordered in a wide variety of orifice sizes and angles (for the width of the spray pattern). Consult your Factory Authorized GlasCraft distributor or the GlasCraft technical services department for recommendations on which Traditional Airless Spray Nozzle to choose for your application.

Note: when ordering the LPA-2-147-XXXX nozzle, you will also need the PG-14 nozzle spacer

Stream Jet Nozzle
23983-01

The Stream Jet Nozzle turns the Probler P2 from a pistol into a rifle. This accessory allows you to shoot a tight, well-defined stream of polyurethane foam to an application point 15-18 feet away! This capability is required for applying insulation to hard-to-reach areas or areas where ladders and scaffolding do not suffice.

The Stream Jet Nozzle is also a useful tool when filling difficult-to-access voids with foam. The Stream Jet Nozzle can quickly dispense the foam to the bottom or back of a cavity, enabling a complete full rise and full fill of insulation. Fold over and air cavities are completely eliminated.

Stream Jet Application Up to 30' (10m)stream

Stud Wall spray nozzle
23987-16 (16" On Center walls)
23987-24 (24" On Center walls)

One of the most significant design weaknesses of traditional spray nozzles is the elliptical "cats eye" pattern that is developed. GlasCraft's specially designed Stud Wall spray nozzle is specifically cut with a rectangular orifice to provide the perfect spray pattern for installation of foam into rectangular wall cavities. This provides for a uniform volume of material from edge-to-edge all the way across the spray pattern width. When the insulation foam is applied to the stud wall cavity with this tip you will achieve an even, consistent rise of the material as it expands to fill the wall cavity. This dramatically reduces extra spray shots to fill edges of the cavity, dramatically improves your yield by eliminating waste caused by foam rising beyond the stud and needing to be trimmed off, and will improve your overall job profitability!

Note: when ordering the 23987-16 and/or 23987-24 nozzle, you also need to order the 19407-01 nozzle spacer!

Low Atomization Dispense Nozzle/Kit
23005-XX

In roofing applications, urethane adhesives are more commonly being used to secure board insulation and various single-ply protective materials. Rather than using mechanical fasteners, a low rise urethane adhesive can be effectively employed.

The special design of the Low Atomization Dispense Nozzle for the P2 allows the operator to dispense the adhesive with very little overspray. This special nozzle develops a workable dispersion of material with very little "misting" or atomization. This is of most benefit in windy or other inclement weather conditions which affect roof-top applications or other applications where overspray reduction is critical.

Pour Adapter
23984-00

When a pour application requires adapting the Probler P2 to dispense a column of polyurethane to fill any type cavity or void, the 23984-00 Pour Adapter can quickly and easily be affixed to the Probler P2.

Note: When using the 23984-00 Pour Adapter option, we recommend the use of ¼" tubing (P/N 9704-11) to better control and direct the urethane being dispensed (as shown above).

Probler P2 Dispense Gun

Optional Accessories and Process Components

Patent Pending Delayed Air Purge for the Probler P2
23996-00

In specific pour applications (and occasionally specialized spray processes) the air purge cleaning of the mix area on the Probler P2 can be a detrimental function. When filling small cavities or vessels, the immediate and automatic air purge can blow air into rising foam and cause process, quality, and cosmetic issues.

By adding the Delayed Air Purge kit option to the Probler P2, you can build a 2 or 3 second buffer delay from the time the trigger is released after dispense until the air purge is activated to clean the mix area of the gun. This time delay allows the operator to move the gun away from the application area and eliminates any adverse effects the air purge might have on the specific process or quality demand.

NEW!

Dispense Cycle Counter
23997-00

In numerous pour applications, the cavity being filled requires exact and repeatable volumes of material to properly complete the job. The Dispense Cycle Counter will allow you to select a predetermined number of pump cycles (volume). When the trigger is activated, the counter will automatically stop the dispense operation when the selected settings are recorded and reached. The Dispense Cycle Counter is easy to program and can be quickly disengaged for manual operation when needed.

Note: the Delayed Air Purge can also be incorporated with the Dispense Cycle Counter option

Guardian A Series system with Delayed Air Purge and Dispense Counter

Foam filled window frame & chilled storage frame using the Probler P2 with Stream Jet Nozzle and Delayed Air Purge / Dispense Counter

Probler P2 with Delayed Air Purge & Dispense Cycle Counter Option

Air Nucleation
23986-00 Static Mixer Assembly (Non Nucleated)
Air Nucleation Kit (Unregulated)
Optional Valve for regulating Nucleating Air

The Air Nucleation kit allows for air to be introduced with the mixing chemicals. The static mixer and air nucleation combine to provide additional mixing for pour and spray applications. The air nucleation atomizes the mix and helps create a usable spray pattern.

Probler P2 with Air Nucleation Kit

Static Mixer
23986-00

Many applications require additional mixing of the A and B materials in order to achieve optimal performance. This static mixer attachment can be used for spray, pour and injection dispensing.

Probler P2 with Static Mixer

Probler P2 Elite Dispense Gun

Probler P2 Elite
23940-XX Gun Assembly
23941-XX Conversion Kit from P2

NEW!

The standard Probler P2 configuration has the hoses attached to the gun from the top and coming away from the gun at a 45 degree angle towards the operator. This positioning for the hoses is most desirable for a wide variety of operations. However, there are a few applications where alternate hose run configuration is desired. The Probler P2 Elite's side block configuration option allows for the hoses to be mounted below the gun and come back along the forearm of an applicator. Another option with the Probler P2 Elite is for the hoses to drop down at the front of the gun. The Probler P2 Elite also allows for access both the ISO and POLY gun filters without removing the sideblocks. These might be most desirable for someone utilizing the Probler P2 with a chop mount for specialized applications, for roofing contractors wanting to maintain sight lines with the application, or anyone else who prefers an under-mount option.

The Probler P2 Elite allows easy access to both the Iso & Poly filters without removing the sideblocks.

Probler P2 Elite with horizontal hose configuration

Probler P2 Elite with vertical hose configuration

Chop Fibers
23942-01 Adapter for B-410
23942-02 Adapter for B 510

There are many new applications for adding chop fibers to foam or coatings. These fibers can act as filler or be structural depending on the length and percent of the fibers. These new applications include FRP replacement projects for open mold production.

Probler P2 with B-410 chopper attachment

Automatic (remote trigger) Probler P2 Dispense Gun
23990-XX

An increasing number of applications are developing that require robotic processing of polyurethane foam and polyurea coatings. The Automatic Probler P2 can be used with both reciprocating and six-axis arm robotic manipulators. The Automatic Probler P2 has two air ports to activate and disengage the piston for the spraying sequence. Simple air logic can be employed to program the Automatic Probler P2 for specific operations.

Material Recirculation Kit
23436-00

In field applications, material temperature in the drums can sometimes be difficult to control. It may be necessary to elevate the ambient temperature of the materials in the drums before they can be properly sprayed with the dispense equipment. By using the 23436-00 Material Recirculation Kit – you can achieve a complete closed loop of material from barrels to the gun. The side blocks of the P2 are quickly attached to the recirculation block. Return hoses from the recirculation block are attached to the barrels of urethane. When the dispense systems heaters are turned on, and the pumps engaged to cycle the material through the system – you will quickly increase the temperature of the material in the drums to any desired level.

Polyurea Coating sprayed on foam and EPS

GlasCraft
DISPENSING EXCELLENCE