

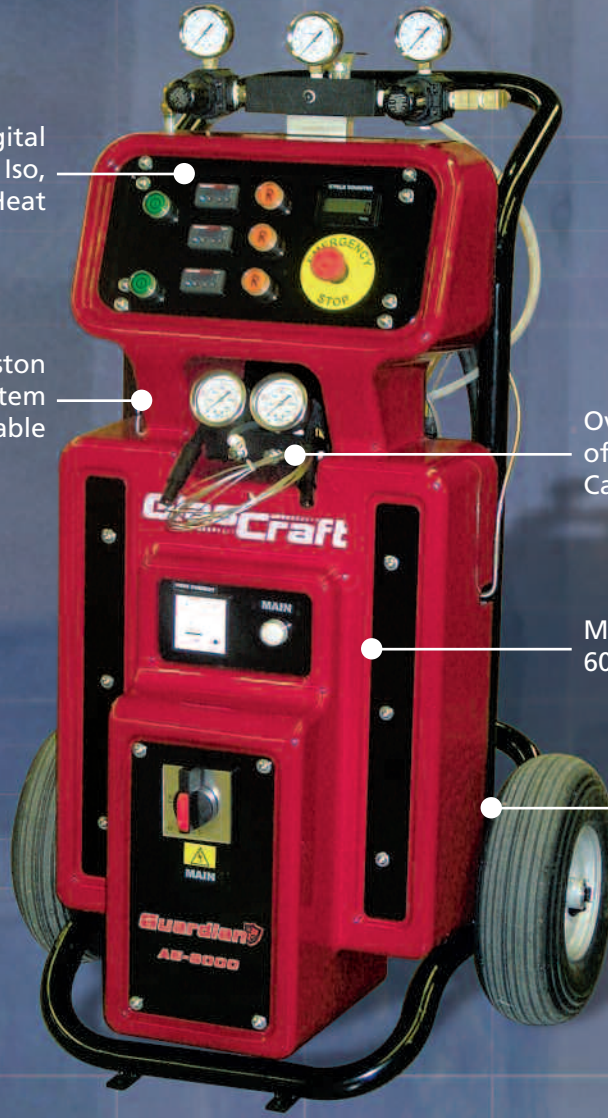
Independent Digital
Controllers for Iso,
Poly, & Hose Heat

New Design ISO Piston
Lubrication System
Now Available

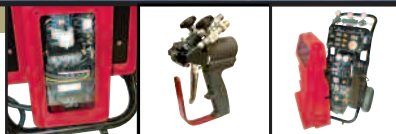
Over 300 Feet
of Heated Hose
Capabilities

Modular Heater System in
6000 watt or 12,000 watt

Compact, Portable
Design is Able to Fit
Through Doorways



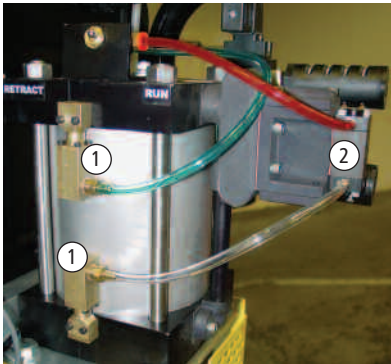
Guardian



Guardian A5 Series

Urethane Foam & Adhesive Dispensing System

Guardian A5 Series



- ① Air Signal
- ② Air Pilot Valve

5" Air Motor

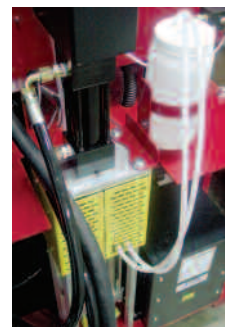
The design of the Guardian Air motor delivers efficient, consistent trouble free operation.

While most air powered equipment employs trip rods and mechanical spools to reverse the air motor direction of travel; the Guardian uses air signals to reverse air motor direction.

This requires no maintenance or routine adjustments. Moisture and humidity have less affect on GlasCraft's air motor compared to electric driven systems. And if needed can be easily serviced in the field.

The Guardian System

- Maximum fluid pressure - 1600 psi
- Output range < 0.5 to 2.0 gal / min (2 to 8 l / min)
- Maximum hose length - 310' heated hose
- Maximum heater temperature - 190°F (71°C)
- Fluid section displacement per cycle - (.042 gal / cycle)
24 cycles = 1 gallon
- 75 volt variable transformer for hose heat
- Solid state electronics package
- LED cycle counter
- CE design configuration
- Independent Iso, Poly & Hose heat controllers
- True flow hose electrical connectors
- Overpressure / overtemperature safety circuits
- The new Iso piston lubrication system - enclosed piston lubrication system that circulates pump lubricants in a sealed environment, providing longer seal life further reducing scheduled maintenance
- Air manifold incorporated in the system design for additional air distribution outlets and regulators for transfer pumps and mixers
- Retract switch for the air motor is a quick and easy device to always keep your pumps in the down position at the end of the day



Iso Piston Lubrication System

Air Power - Reliable, Maintenance Free Performance

With all TIER #1, Hydraulic and TIER #2, Air and Electric spray machines - you require compressed air. The minimum volume of air is 15 cfm @ 100 psi. This amount of air would be necessary for the operation of the transfer pumps and the air purge on the spray gun.

With the Guardian Air Powered spray system - you will need more air than the 15 cfm necessary for Hydraulic or Electric spray equipment.

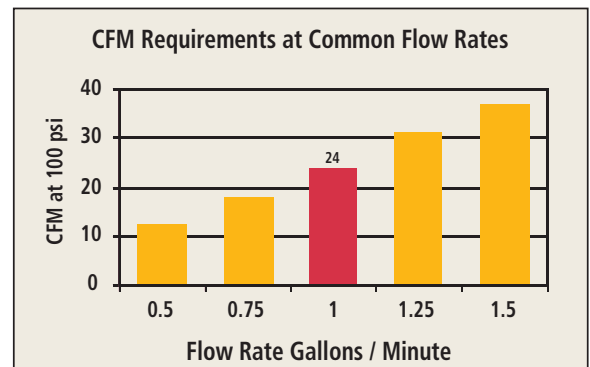
But, the additional volume of air needed is minimal!

Based on typical spray applications, dispensing 1 gallon (10 pounds) of material per minute, you will only require 9 additional cfm of air for operation of the Guardian spray system compared to Hydraulic or Electric powered machines.

An additional 9 cfm in air volume needed will have little or minimal effect on:

- The size (horsepower) compressor you select
- The footprint of that compressor
- And most importantly, the cost of that compressor

With the addition of a few more cfm in air supply, you gain the outstanding performance characteristics of the Guardian Air Powered Spray System.



Guardian A5 Series... Economy Without Compromise

In the selection of spray equipment for polyurethane foam applications, if financial constraints were not an issue, most contractors would select a TIER #1 - hydraulic powered spray system. But, in many instances, with a new start-up or expansion of an existing business, there are certain budgetary considerations. When a TIER #1 - hydraulic machine is not a possibility, there are several TIER #2 level machines available.

Unfortunately, with most TIER #2 spray systems, the major components and overall performance characteristics are far below those of TIER #1 - hydraulic machines.

This is not the case with the Guardian!

All of the components on the Guardian, the fluid sections, primary heaters, hose heat, hoses and solid state electronics package are identical to those on the TIER #1 - MH II and MH III hydraulic equipment.

With electric powered TIER #2 spray systems, the compromise in features and performance can be quite pronounced and a hindrance to quality applications.

There is no compromise in the quality, reliability, spray characteristics, excellent mix of materials, and overall performance, when you select the Guardian polyurethane spray system!

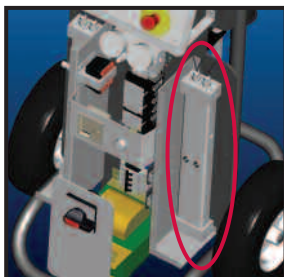
Modular High Efficiency Heaters

The Guardian high efficiency heaters are designed to deliver fast, accurate and continuous heat to the material at any flow rate. The fluid passage in the heater provides for extended dwell time thus achieving the highest ΔT levels.

The Guardian can be ordered with the standard 6000 watt primary heat package, or at a very economical price, the Guardian can be ordered in a 12,000 watt configuration.

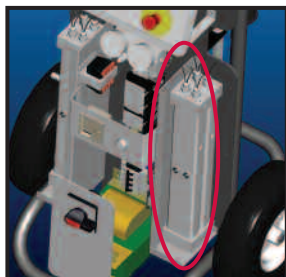
The Iso & Poly heaters have independent solid state LED controllers, so different temperature settings can be selected for the materials.

6,000 watts



Model A5 - 6000

12,000 watts



Model A5 - 12000

Design Performance Features

- Compact, portable design - Only 29" wide - will fit through most doorways.
- Abrasion resistant fluid section seals, piston and cylinder - low maintenance and long life.
- Solid state electronics - durable and reliable when compared to printed circuit board technology.
- Consistent air pressure from the Guardian air motor and instantaneous reversing delivers uniform fluid / mixing pressure to the spray gun. There is no lead / lag or pressure drops that can adversely affect the mix of the A & B materials.
- The Guardian A5 only requires an additional 9 cfm of air compared to an electric drive spray system. This represents an insignificant difference in the size and cost in the air compressor needed to power the machine.
- Configuration of the Guardian allows for fast & easy access to all components for inspection or service.
- Flow rates - material outputs from < 0.5 to 2 gal / min (2 to 8 l / min) can be achieved with the Guardian. It delivers outstanding performance on both large and small jobs.
- Cost of operation - the initial cost of the Guardian is very attractive. Even more value is realized in its rugged design, low parts consumption, and economical long term operation.

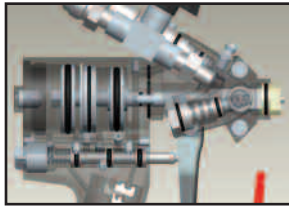


SYSTEM SPECIFICATIONS

Maximum Output	20 lbs / 9 kg per minute
Maximum Automatic Heated Hose Length	310 ft / 95 m
Primary Heater	A5-6000 - 3000 watts per side (6000 watts total heat) A5-12000 - 6000 watts per side (12000 watts total heat)
Maximum Material Temperature	190°F / 88°C
Electrical Requirements	Single Phase 220 VAC 50 amp 50 / 60 Hz Three Phase 220 VAC 25 amp 50 / 60 Hz Three Phase 380 VAC 25 amp 50 / 60 Hz
Total Air Requirements at 1 gpm (3.8 lpm) Output	24 cfm @ 100 psi 680 l / min @ 6.8 bar Includes air transfer pumps

Probler P2

- Lightweight ergonomic design
- Dual piston triggering - 300 psi activation power
- 2 piece mixing chamber
- Grease fitting - fast daily maintenance
- Internal check valve - liquid will not enter air passages of the gun
- Quick / easy change of dispense nozzles



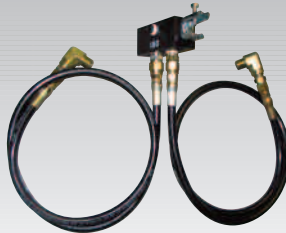
Two Piece
Mixing Chamber

Patented High
Velocity Piston



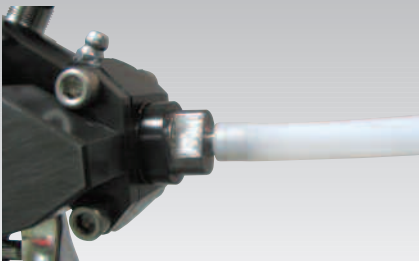
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Does not include tip

FLAT SPRAY ADAPTER KIT



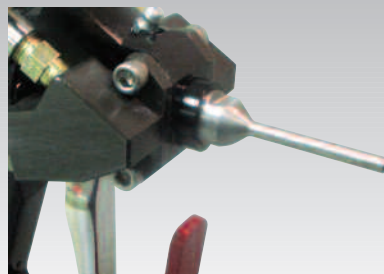
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RECIRCULATION KIT



23984-00
Tubing 9704-11

POUR ADAPTER



23983-01

JET STREAM TIP NOZZLE

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