Reactor® Spray Foam and Polyurea Equipment
For fast-set plural-component applications
Graco Has You Covered

No matter what the application, Graco has the solution

Whether you’re spraying foam or applying polyurea coatings, Graco Reactor® Plural-Component Systems help you get the job done with superior results. Available in air, electric or hydraulic technology – we have the right equipment to meet your needs.

Which system is right for you?

Technology types:  A = air;  E = electric;  H = hydraulic
Three-Year Extended Warranty

We stand behind every piece of equipment we manufacture with one of the industry’s strongest warranties. Spray with the confidence that you will probably never need to use Graco’s warranty, but if you do – Graco Has You Covered.

Reactor 2 systems offer a three-year extended warranty on control modules, display module and electric motor (E-series only). See product manual for specific warranty details.
Performance charts with mix chamber choices

Use these charts to help identify the system that will work most efficiently with each mix chamber. Flow rates are based on a material viscosity of 60 cps. See examples below.

How to use these charts

• Select spray pressure
• Select mix chamber or flow rate
• Choose equipment model

Note: Darker shading includes equipment models shown in lighter shaded areas.

Spray Foam Example

Mix chamber: AR6060 (03)
Pressure: 1250 psi
Flow rate: 22 lb/min*
Reactors H-30, E-30, H-40, H-50

Coatings Example

Mix chamber: AR2929 (00)
Pressure: 1500 psi
Flow rate: 0.9 gpm*
Reactors E-XP1, E-XP2, H-XP2, H-XP3, E-10hp (230V)

*Output of flat tip will be slightly less than round equivalent

Applications

Spray Foam

• Aerospace
• Residential & commercial wall insulation
• Rim and band joist
• Concrete lifting
• Roof insulation

Protective Coatings

• Adhesive and caulking for flooring
• Decorative coatings
• Marine and shipbuilding
• Tank and pipe coating
• Wastewater treatment
• Foundations
• Potable water
• Truck bedliners
• Waterproofing
Like you, we want customers to be completely satisfied with their spray foam and coatings application investment. Graco’s goal is to provide equipment advancements that help you and your crews apply materials more accurately and more efficiently – as the material suppliers intended, to help grow your business.

**Better control**

**Advanced control technology**

Advanced Display Module (ADM) is the standard interface for all Reactor 2 systems. With the ability to track, monitor and save project information, the ADM also has the ability to download data onto a USB drive for further analysis.

**Screen shown:**
Drum fluid levels – easy indication when you are running low on chemical.
One of many screens available on the ADM.

**Graco InSite™ Remote Reporting Technology**

The power to control your business – wherever you are. The information Graco InSite gathers can save you money, help you bid jobs more accurately and troubleshoot problems more quickly, saving lost overhead and revenue. The data it collects is stored and available anywhere you can access the Internet. For full Graco InSite details and to navigate a demo, visit gracoinsite.com! Graco InSite is standard on Reactor 2 Elite models.

**Better spray performance**

**Precise material application**

The ADM lets you stores up to 24 material recipes, so switching material spray parameters is fast, easy and trouble-free. By reducing human error in entering set points you’re more likely to spray material as the material supplier intended.
**Easier to service**

- **Reduce your downtime with QR codes**
  Error codes appear on your ADM with a helpful QR code. The QR codes explain the problem and provide solutions by simply scanning the code with your smart phone or device. The scan takes you directly to help.graco.com that provides up-to-date advanced trouble shooting information.

- **Sacrificial Surge Protector for added protection**
  As an added level of protection, Graco also added a sacrificial surge protector to Reactor 2 systems. If there is an excessive power spike, you only have to replace this smaller, less expensive part – not the entire control module. All Reactor 2 models include a spare sacrificial surge protector to get you back up and running immediately.

**Peace of mind**

- **Advanced electronics**
  Graco designed the electronics in the Reactor 2 systems to a stringent electronics reliability standard. These modules are more robust and able to withstand a wider range of power spikes or surges.
What a turnkey system can do for you:

- **Save time** – it’s easy to install into a spray rig since it’s pre-wired with components already selected and installed
- **Save diesel fuel costs** – an average of $7,000 annually*
- **Eliminate costly power issues** – associated with shore power and low cost generators
- **Improved heating capacity** – adjust temperatures quickly to minimize downtime during recirc
- **Reduce fuel costs even more** – compact, portable design fits into a smaller trailer; smaller trailer means a smaller truck [4 ft (1.2 m) wide by 5 ft (1.5 m deep)]

**Reactor 2 E-30i and E-XP2i**

**Ready for the job site or spray rig – right out of the box**

A complete integrated system combines an electric Reactor system, diesel generator, air compressor and air dryer into one package. This patent-pending design provides constant, steady temperature control for superior heating performance without wasting energy. Waste heat from the generator is repurposed to heat the material allowing for a smaller generator.

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**Graco InSite - Remote Reporting Technology**
- Standard on all integrated systems

**Integrated Air Compressor**
- Standard on some models
- Tankless
- Hydrovane rotary vane compressor

**Distribution Panel**
- Easy to service electrical controls and breakers
- Pre-wired auxiliary breakers provided for compressor and other auxiliary equipment

**Gen Set**
- 29 HP Perkins engine
- 22 kW Mecc Alte alternator
- Smaller engine reduces fuel consumption

**Refrigerated Air Dryer**
- Efficiently removes water from air supply
- Standard on some models
Calculate your savings at www.graco.com/integrated

*By replacing a standard 40 kw generator with a 22 kw generator, the system’s fuel needs are greatly reduced. Savings are an estimate only. Actual savings may vary.
What a hydraulic system can do for you:

- **Dependability** – robust, durable, longest life spray system
- **Reduce downtime** – allows for longer time in between required maintenance
- **Increase daily productivity** – capable of extremely high duty cycle

**Reactor 2 Hydraulic Series**

**Highest value for the best performance**

Graco’s line of hydraulic Reactors brings increased yield and performance to high-output spraying. Ideal for in-plant OEMs or applicators that spray high volume. Reactor 2 stand-alone models are available in an H-30, H-40, H-50, H-XP2 and H-XP3.

**Advanced Controls**
- Easy to operate Advanced Display Module interface
- Graco InSite – Remote Reporting Technology* (Included on Elite models)

**Ergonomic Set-up**
- Electronics are above the pumps – comfortable working height for easier service

**Voltage Jumpers**
- Available on H-30 and H-XP2 (Inside Electronics Cabinet) allows for one model to be wired to different voltages

**Horizontal Pump Line**
- Slower cycle rate

**Easy Troubleshooting Diagnosis**
- Troubleshooting Y-strainers for analog temperature and pressure gauges
- Inlet pressure and temperature is displayed and recorded on ADM and Graco InSite*

**Reversing Sensors**
- Non-contact for longer life

**Consistent Design**
- Similar footprint to traditional H-series

***Elite Models**
- Graco InSite included
- Inlet pressure and temperature sensors (interfaces with Graco InSite)
- Xtreme-Wrap™ Scuff Guard on heated hoses when ordered as a package

**Revolutionize the way you run your business**

Each feature in the Reactor 2 system was strategically designed to help your business run smoothly. Software and hardware enhancements for better spray performance. New technologies that add to your bottom line.
What an electric system can do for you:

- **Increase productivity** — plenty of power for most residential and commercial applications
- **Smooth and consistent spray pattern** — minimizes pressure fluctuations on pump changeover
- **Free up space in trailer or rig** — smaller footprint when compared to other spray systems

**Reactor 2 Electric Series**

**Proven reliability at an outstanding value**

With proven reliability the Reactor 2 E-series is the industry’s preferred system. Reactor 2 stand-alone models are available in an E-30 and E-XP2 model.

**Advanced Controls**

- Easy to operate Advanced Display Module interface
- Graco InSite — Remote Reporting Technology

**Ergonomic Set-up**

- Electronics are above the pumps — comfortable working height for easier service

**Brushless Electric Motor**

- Improved control and performance
- No maintenance needed
- Longer life

**Easy Troubleshooting Diagnosis**

- Troubleshooting Y-strainer for analog temperature and pressure gauges
- Inlet pressures and temperatures sensor are displayed and recorded on ADM and Graco InSite

**Sleek Design**

- 40% smaller footprint than traditional Reactor E-30

**Elite Models**

- Graco InSite comes factory installed
- Inlet pressure and temperature sensors (interfaces with Graco InSite)
- Xtreme-Wrap® Scuff Guard on heated hoses when ordered as a package

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GLOBAL FIELD-TESTING

MORE THAN 30,000 GALLONS SPRAYED

LIFE TESTING

EIGHT REACTOR 2’s RAN CONTINUOUSLY;
EACH RAN OVER THREE MILLION CYCLES

LAB TESTING

OVER 150 UNIQUE TESTS PERFORMED IN THE GRACO TEST LABS
Entry-level Systems

What an entry-level system can do for you:

- **Easy to maneuver** – wheeled carts let you get closer to the job
- **Easy to use** – best for low to medium-output applications
- **Affordability** – excellent value for residential and commercial use

**Reactor A-25 and A-XP1**

**Best choice for affordability**

The Reactor air systems have the ability to maintain consistent temperature control, even when you’re spraying at maximum flow rates – resulting in better quality foam or coatings. Have peace of mind with the proven durability of a standard Graco quality air motor.

**Three Heat Zones**

- Three independent heat zones – ISO, resin and hose heat
- Provide accurate heat control for reliable spraying to handle different chemical viscosities
- Digital temperature controls

**Recirculation Manifold**

- A quick, easy way to balance system pressures

**Hybrid Heater**

- Provides better temperature control

**DataTrak™ Control**

- Resettable counter tracks material usage

**NXT® Air Motor**

- Low air consumption for increased efficiency
- Muffler provides low operating noise levels
- Air valve provides smooth and rapid changeover

**ISO Pump Lube System**

- Prevents isocyanate crystallization on the pump seal and shaft

**Quick Knockdown Pumps**

- Allows for easy service
- Fast disassembly
Reactor E-20 and E-XP1

Durability you’ve come to expect

Equipped with material data and system diagnostics, the Reactor E-20 and E-XP1 systems provide total control for spraying foam insulation and coatings.

Reliability
- Powerful hybrid heaters
- Accurate heating with precise temperature sensing

Simple Control
- Digital heat and pressure controls

Heater Control Boards
- Longer-lasting modular heater
- Minimize downtime

Hose Heat Transformer
- Does not require tap settings

Pumps
- Quick knockdown for easy maintenance
Portable & Touch-up Systems

What portable & touch-up systems can do for you:

- **Save time** – get smaller jobs done fast without sacrificing performance
- **Self-contained system** – no transfer pumps required
- **Easy to use** – single knob motor operations
- **Provides consistency** – uses standard spray guns you’re familiar with

**Reactor E-10hp**

**Fast start-up time for improved productivity**

Expand your business with polyurea applications. The Reactor E-10hp sprayer is a smart, affordable investment that will help grow your business. Even though it’s an entry level system, it packs plenty of power and uses standard residential electrical outlets – no generator is needed.

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**Low Level Sensors**
- Indicates when material is low (1 gal/3.8 L remaining)
- No contact with materials – prevents buildup

**Boost Heat**
- Directs unused power from the motor circuit to additional heater rods
- Additional heater power brings material to desired temperatures faster during recirculation mode

**Insulated Tanks**
- Double-wall insulated to retain heat
- Smooth interior lining for easy cleaning
- Improved seal design on lid for better moisture control

**Quick knockdown Lower Pumps**
- Easy disassembly and maintenance

**Temperature Guages in Y-strainers**
- Provides accurate tank temperature readings

**Digital Heat Controls**
- Allows you to enter the exact temperatures you need
- Uses the same control boards as a standard Reactor

**Motor**
- Offers 50% more power than the Reactor E-10
- Provides improved spray performance with reduced pressure drop

**Robust Hybrid Heater**
- More power, faster material handling means more uptime
Reactor E-10

Save up to 30% on material costs compared to disposable foam systems

Reactor E-10 sprayers are ideal for plural-component spray, joint-fill jobs and touch-ups. One person operation saves time and money!

**Intuitive Controls**
- Easy start and stop
- Digital temperature display

**Heater and Hose**
- Gives up to 2000 watts to pre-heat circulating material

**Electric Motor**
- Improved performance
- Reduces operating costs

**Power**
- Electric power is a low draw and plugs into standard outlets

Reactor E-8p

For no-heat foams and flooring applications

Become more competitive in today’s market with equipment designed for remodeling or flooring applications. As a touch-up system for no-heat foam insulation, the Reactor E-8p system frees up larger rigs for larger jobs while enabling you to finish small jobs affordably. For flooring applications, the Reactor E-8p system offers easy control and is ideal for small to mid-sized joint fill applications.

**Electric Motor**
- Proven motor performance, uses standard residential outlet

**Telescoping Handle**
- Easy handling from your vehicle to the home

**Built-in Suction Lines**
- No need for feed pumps

**Lightweight**
- Easy to maneuver up and down stairs – only 95 lb (43 kg)

**Threaded Bucket Spout Connection**
- Keeps your connection secure and prevents spills

**Pressure Balance Valves**
- Quick and easy balancing of system pressures enables correct start-up

**Simple User Controls**
- Intuitive start/stop with single control knob
**Equipment For Spray Foam Applications**

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**Basic packages**
Most Reactor systems are available in a basic package, which includes:
- System
- Whip hose
- Spray hose
- Choice of gun Fusion® AP, CS or Probler® P2

To order this package, replace the first two part numbers with the gun type. Fusion AP = AP; Fusion CS = CS; Probler P2 = P2

For example: System 272110 in a basic package with a Fusion AP gun, becomes part number AP2110

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<table>
<thead>
<tr>
<th>MODEL</th>
<th>Air (A Series)</th>
<th>Electric (E Series)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A-25</td>
<td>E-8p</td>
</tr>
<tr>
<td>Max Working Pressure</td>
<td>2000 psi (138 bar, 13.8 MPa) 28 scfm air consumption@100 psi</td>
<td>2000 psi (138 bar, 13.8 MPa)</td>
</tr>
<tr>
<td>Min Working Pressure</td>
<td>N/A</td>
<td>NA</td>
</tr>
<tr>
<td>Max Hose Length</td>
<td>210 ft (64 m)</td>
<td>105 ft (32 m)</td>
</tr>
<tr>
<td>Max Fluid Temp</td>
<td>190°F (88°C)</td>
<td>NA</td>
</tr>
<tr>
<td>Output</td>
<td>25 lb (11.4 kg)/min</td>
<td>12 lb (5.4 kg)/min</td>
</tr>
<tr>
<td>Weight</td>
<td>250 lb (113 kg)</td>
<td>95 lb (43 kg)</td>
</tr>
<tr>
<td>Graco InSite Compatible</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Packages</td>
<td>‡</td>
<td>‡</td>
</tr>
<tr>
<td>Operation manual</td>
<td>3A1569</td>
<td>3A1602</td>
</tr>
<tr>
<td>Repair manual</td>
<td>3A1570</td>
<td>3A1602</td>
</tr>
</tbody>
</table>

*Reactor systems can be wired for all voltages: 230V - 1ph; 230V - 3ph; 400V - 3ph  ‡ Basic packages available  ‡ Additional hose packages available
**Reactor systems can be wired for all voltages**: 230V - 1ph; 230V - 3ph; 400V - 3ph

- **Basic packages available**
- **Additional hose packages available**

**Additional hose packages**

Most Reactor systems are available in an additional hose package, which includes:

- System
- Whip hose
- Multiple spray hoses
- Choice of gun Fusion® AP, CS or Probler® P2

*To order this package, replace the first number with the gun type and the second number with “H” (for hose). Fusion AP = AH; Fusion CS = CH; Probler P2 = PH*

*For example: System 272110 in an additional hose package with a Fusion AP gun, becomes part number AH2110*
# Equipment For Coatings Applications

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<table>
<thead>
<tr>
<th>MODEL</th>
<th>A-XP1</th>
<th>E-10hp</th>
<th>E-XP1</th>
<th>Reactor 2 E-XP2</th>
<th>Reactor 2 E-XP2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Working Pressure</td>
<td>3500 psi (240 bar, 24.0 MPa)</td>
<td>2500 psi (172 bar, 17.2 MPa)</td>
<td>2500 psi (172 bar, 17.2 MPa)</td>
<td>3500 psi (240 bar, 24.0 MPa)</td>
<td>3500 psi (240 bar, 24.0 MPa)</td>
</tr>
<tr>
<td>Min Working Pressure</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Max Hose Length</td>
<td>210 ft (64 m)</td>
<td>105 ft (32 m)</td>
<td>210 ft (64 m)</td>
<td>310 ft (94 m)</td>
<td>310 ft (94 m)</td>
</tr>
<tr>
<td>Max Fluid Temp</td>
<td>170°F (77°C)</td>
<td>170°F (77°C)</td>
<td>190°F (88°C)</td>
<td>190°F (88°C)</td>
<td>190°F (88°C)</td>
</tr>
<tr>
<td>Output</td>
<td>1.5 gal (5.7 L) / min</td>
<td>1 gal (3.8 L) / min</td>
<td>1 gal (3.8 L) / min</td>
<td>2 gal (7.6 L) / min</td>
<td>2 gal (7.6 L) / min</td>
</tr>
<tr>
<td>Weight</td>
<td>250 lb (114 kg)</td>
<td>239 lb (108 kg)</td>
<td>342 lb (155 kg)</td>
<td>350 lb (159 kg)</td>
<td>1800 lb (793.7 kg) - w/ compressor 2200 lb (998 kg) - w/o compressor</td>
</tr>
<tr>
<td>Graco InSite Compatible</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Packages

- **Basic packages available**: N/A
- **Additional hose packages available**: N/A

### Basic packages

Most Reactor systems are available in a basic package, which includes:

- System
- Whip hose
- Spray hose
- Choice of gun Fusion® AP or Probler® P2

*To order this package, replace the first two part numbers with the gun type. Fusion AP = AP; Probler P2 = P2*

*For example: System 272112 in a basic package with a Fusion AP gun, becomes part number AP2112*

### Additional hose packages

Most Reactor systems are available in an additional hose package, which includes:

- System
- Whip hose
- Multiple spray hoses
- Choice of gun Fusion® AP or Probler® P2

*To order this package, replace the first number with the gun type and the second number with “H” (for hose). Fusion AP = AH; Probler P2 = PH*

*For example: System 272112 in an additional hose package with a Fusion AP gun, becomes part number AH2112*
SELECT A SYSTEM
Choose an air, electric or hydraulic model.

KEY FEATURES:
- Optional data reporting capabilities
- Foam models rated at 2000 psi (138 bar, 13.8 MPa)
- Coatings models rated up to 3500 psi (240 bar, 24.0 MPa)

SELECT HEATED HOSES
Choose from pressure ratings of 2000 psi or 3500 psi (138 to 240 bar, 13.8 to 24.0 MPa). Choose 3/8 in or 1/2 in ID.

SELECT HEATED WHIP HOSE
Choose from pressure ratings of 2000 psi or 3500 psi (138 to 240 bar, 13.8 to 24.0 MPa). Choose 1/4 in or 3/8 in ID.

SELECT A GUN
Choose an air-purge, mechanical-purge or liquid-purge gun with a round or flat pattern.

SELECT SUPPLY PROCESSING EQUIPMENT
SUPPLY PUMP
Choose from diaphragm or piston pumps for standard materials in drum-mount or wall-mount. Select a 2:1 piston pump for materials with higher viscosities.

AGITATOR KITS
Choose a kit to agitate your resin for a consistent coating. Graco’s patented Twistork® agitators are very low shear to minimize material frothing.

For details on hoses, guns and accessories, see brochure 349104.
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Contact us today!
Call 877-844-7226 to talk with a Graco representative,
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information available at the time of publication. Graco reserves the
right to make changes at any time without notice.

Graco Has You Covered
Facilities Worldwide for Global Support

Quality First
At Graco we pride ourselves on providing best-in-class products. Engineered solutions are manufactured in our own facilities, with the highest standards in the industry. We provide you with world-class customer support and expertise to help solve your application challenges.

Global Reach
Graco has facilities across the globe to provide you with the products and service you need, where you live. Plus, Graco has dedicated field experts in all areas of the world to support the products we sell.

Product Capabilities
Graco has a broad range of products that are engineered and tested to perform in the harshest environments so you can be certain your equipment is protected and working at peak performance.