

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



Portable and Touch-up Systems

SPRAY FOAM	COATINGS
APPLICATIONS	APPLICATIONS
E-10	E-10hp



Entry-level Systems

SPRAY FOAM APPLICATIONS	COATINGS APPLICATIONS E-10hp	
A-25	E-10hp	
E-20	E-XP1	



Mid-production Systems

SPRAY FOAM	COATINGS	
APPLICATIONS	APPLICATIONS	
E-30	E-XP2	
H-30	H-XP2	



High-production Systems

SPRAY FOAM	COATINGS
APPLICATIONS	APPLICATIONS
H-40 H-50	H-XP3

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.



Turnkey Systems

SPRAY FOAM	COATINGS	
APPLICATIONS	APPLICATIONS	
E-30i	E-XP2i	



Understand Spray Performance

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: 85 bar (1250 psi)
Flow rate: 10 kg/min (22 lb/min*)
Reactors H-30, E-30, H-40, H-50

Coatings Example

Mix chamber: AR2929 (00)
Pressure: 105 bar (1500 psi)
Flow rate: 3,4 l/min (0.9 gpm*)

Reactors E-XP1, E-XP2, H-XP2, H-XP3, E-10hp

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

Applications

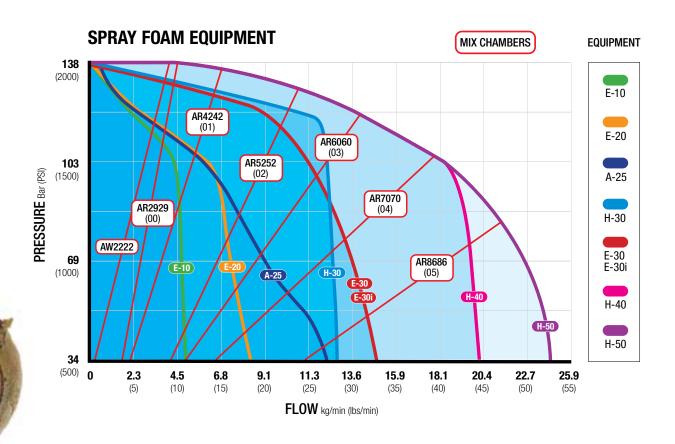
Spray Foam

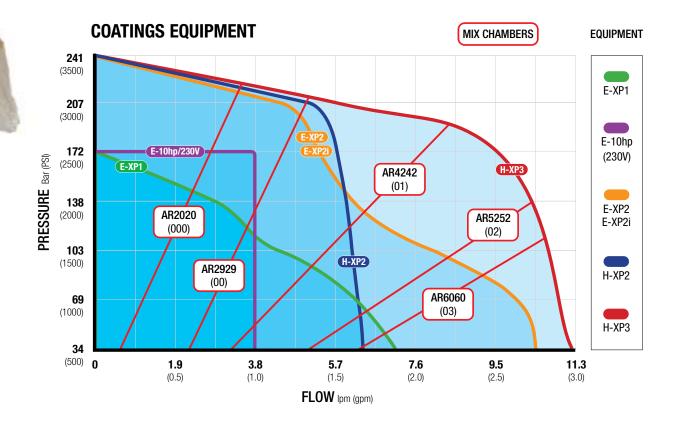
- Residential & commercial wall insulation
- Aerospace
- · Concrete lifting
- Rim and band joist
- Roof insulation

Protective Coatings

- · Adhesive and caulking for flooring
- Decorative coatings
- · Marine and shipbuilding
- Tank and pipe coating
- Waterproofing
- Wastewater treatment
- Truck bedliners







Advancing the Industry

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:

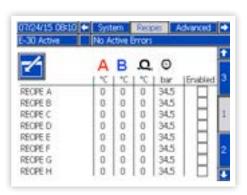
Drum fluid levels — easy indication when you are running low on chemical. One of many screens available on the ADM.

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

Try it now!



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.

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.





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.



Portable & Touch-up Systems

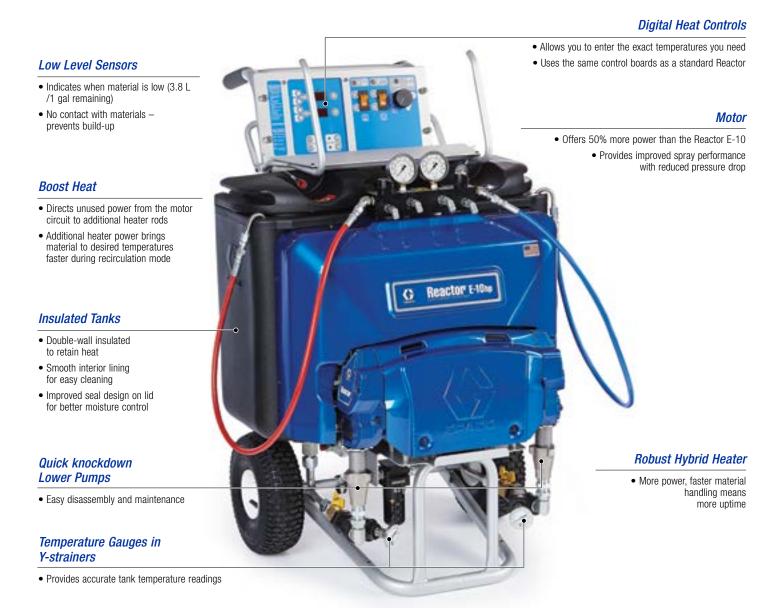
What portable & touch-up systems can do for you:

- 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.



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



Entry Level Systems

Reactor E-20 & 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.



What an entry level system can do for you:

- Easy to manoeuvre 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

Best choice for affordability

The Reactor A-25 system has the ability to maintain consistent temperature control, even when you're spraying at maximum flow rates — resulting in better quality foam. Have peace of mind with the proven durability of a standard Graco quality air motor.



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

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

Recirculation Manifold

 A quick, easy way to balance system pressures

Hybrid Heater

 Provides better temperature control

ISO Pump Lube System

 Prevents isocyanate crystallization on the pump seal and shaft

Quick Knockdown Pumps

- Allows for easy service
 - Fast disassembly



Mid-production Systems

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

High-production Systems

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

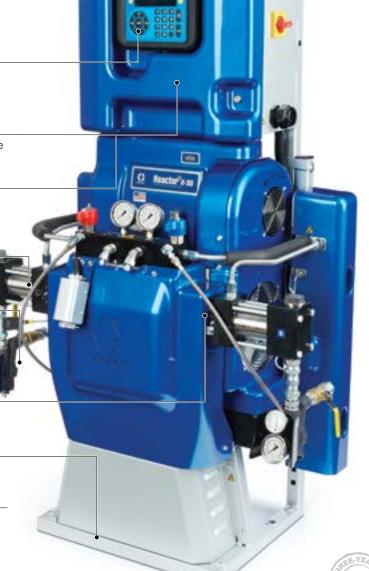
• Similar footprint to traditional H-series

*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.



Turnkey Systems



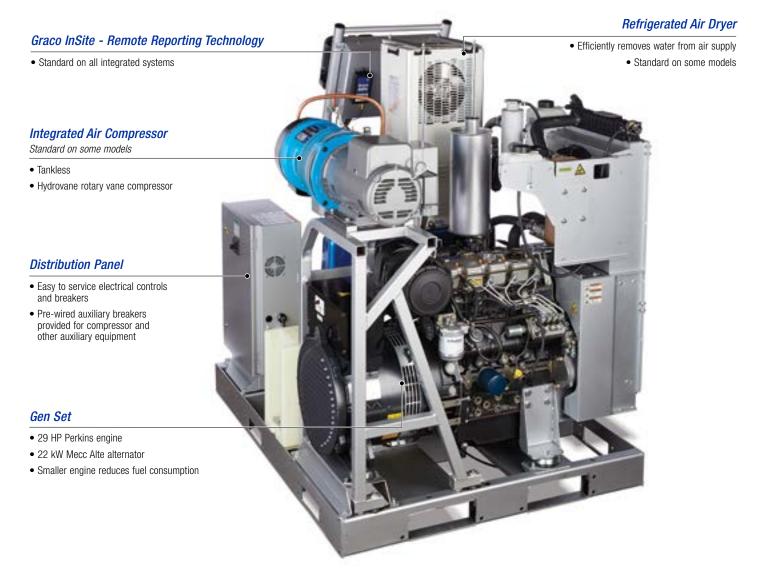
What a turnkey system can do for you:

- 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 50% 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

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.



Equipment For Spray Foam Applications

Graco Has You Covered









	Air (A Series)	Electric (E Series)		
MODEL	A-25	E-10	E-20	Reactor 2 E-30
Max Working Pressure	138 bar (2000 psi, 13.8 MPa) 800 l/min (28 scfm) air consumption@100 psi	138 bar (2000 psi, 13.8 MPa)	138 bar (2000 psi, 13.8 MPa)	138 bar (2000 psi, 13.8 MPa)
Min Working Pressure	N/A	N/A	N/A	N/A
Max Hose Length	64 m (210 ft)	32 m (105 ft)	64 m (210 ft)	94 m (310 ft)
Max Fluid Temp	88°C (190°F)	71°C (160°F)	88°C (190°F)	88°C (190°F)
Output	11.4 kg (25 lb)/min	5.4 kg (12 lb)/min	9 kg (20 lb)/min	13.6 kg (30 lb)/min
Weight	140,6 kg	Heated: 72 kg Unheated: 68 kg	155 kg	161 kg
Graco InSite Compatible	No	No	Yes	Yes
Ordering Information	With 6.0 kW heater: 262614 *Amps 230V, 1-ph — 40A 230V, 3-ph — 32A 380V, 3-ph — 18.5A	With 1.7 kW heater: 120V, 2-cord 249570 With 2.0 kW heater: 240V, 2-cord 249571 240V, 1-cord 249572 Unheated ambient system: 120V 249576 240V 249577	With 6.0 kW heater: 230V, 1-ph — 48A 259025 230V, 3-ph — 32A 259034 400V, 3-ph — 24A 259030	With 10.2 kW heater: 272110 - Elite 272010 - standard With 15.3 kW heater: 272111 - Elite 272011 - standard *Amps 10kW: 230V, 1-ph — 78A 230V, 3-ph — 50A 400V, 3-ph — 34A 15kW: 230V, 1-ph — 100A 230V, 3-ph — 62A 400V, 3-ph — 35A
Packages	‡	‡	‡	‡
Operation manual	3A1569	311075	312065	333023
Repair manual	3A1570	311075	312066	333024

^{*}Reactor systems can be wired for all voltages: 230V - 1ph; 230V - 3ph; 400V - 3ph

‡ Basic packages available

‡ 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









Electric (E Series)	Hydraulic (H Series)		
Reactor 2 E-30i	Reactor 2 H-30	Reactor 2 H-40	Reactor 2 H-50
138 bar (2000 psi, 13.8 MPa)	138 bar (2000 psi, 13.8 MPa)	138 bar (2000 psi, 13.8 MPa)	138 bar (2000 psi, 13.8 MPa)
N/A	48 bar (700 psi, 4.8 MPa)	41 bar (600 psi, 4.1 MPa)	41 bar (600 psi, 4.1 MPa)
94 m (310 ft)	94 m (310 ft)	125 m (410 ft)	125 m (410 ft)
88°C (190°F)	88°C (190°F)	88°C (190°F)	88°C (190°F)
13.6 kg (30 lb)/min	10,5 kg (24 lb)/min	17 kg (37 lb)/min	20 kg (44 lb)/min
793.7 kg - without compressor 998 kg - with compressor	10 kW: 247 kg 15 kW: 252 kg	272 kg	272 kg
Yes	Yes	Yes	Yes
Without Compressor: 272079 Aux. power available: 52A at 240V 272080 (Booster Heat) Aux. power available: 35A at 240V With Compressor: 272089 Aux. power available: 22A at 240V 272090 (Booster Heat) Aux. power available: 5A at 240V 0ther Specs: Compressor: Hydrovane 5 HP, 16cfm, 240V, 1-ph, 60 Hz Air Dryer: Hankison, refrigerated 22 scfm, 115V, 1-ph, 60 Hz Engine: Perkins 404-22G, 2.2 L, 29 HP Generator: Mecc Alte 22 kW, 240V, 1-ph, 60 Hz, pancake style	With 10.2 kW heater: 17H131 - Elite 17H031 - standard With 15.3 kW heater: 17H132 - Elite 17H032 - standard *Amps 10kW: 230V, 1-ph — 79A 230V, 3-ph — 46A 400V, 3-ph — 35A 15kW: 230V, 1-ph — 100A 230V, 3-ph — 59A 400V, 3-ph — 35A	With 15.3 kW heater: 230V, 3-ph — 71A 17H143 - Elite 17H043 - standard 400V, 3-ph — 41A 17H145 - Elite 17H045 - standard With 20.4 kW heater: 230V, 3-ph — 95A 17H144 - Elite 17H044 - standard 400V, 3-ph — 52A 17H146 - Elite 17H046 - standard	With 20.4 kW heater: 230V, 3-ph — 95A 17H153 - Elite 17H053 - standard 400V, 3-ph — 52A 17H156 - Elite 17H056 - standard
‡	‡	‡	‡
332636	334945	334945	334945
332637	334946	334946	334946

^{*}Reactor systems can be wired for all voltages: 230V - 1ph; 230V - 3ph; 400V - 3ph

‡ Basic packages available

‡ Basic packages

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

 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 = P2For example: System 272110 in a basic package with a Fusion AP gun, becomes part number AP2110

Equipment For Coatings Applications

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	Electric (E Series)			
MODEL	E-10hp	E-XP1	Reactor 2 E-XP2	Reactor 2 E-XP2i
Max Working Pressure	172 bar (2500 psi, 17.2 MPa)	172 bar (2500 psi, 17.2 MPa)	240 bar (3500 psi, 24.0 MPa)	240 bar (3500 psi, 24.0 MPa)
Min Working Pressure	N/A	N/A	N/A	N/A
Max Hose Length	32 m (105 ft)	64 m (210 ft)	94 m (310 ft)	94 m (310 ft)
Max Fluid Temp	77°C (170°F)	88°C (190°F)	88°C (190°F)	88°C (190°F)
Output	3.8 L (1 gal) / min	3.8 L (1 gal) / min	7.6 L (2 gal) / min	7.6 L (2 gal) / min
Weight	108 kg	155 kg	159 kg	793.7 kg - w/ compressor 998 kg - w/o compressor
Graco InSite Compatible	No	Yes	Yes	Yes
Ordering Information	120V 24T100 230V 24T901	With 10.2 kW heater: 230V, 1-ph — 69A 259024 230V, 3-ph — 43A 259033 400V, 3-ph — 24A 259029	With 15.3 kW heater: 272112 - Elite 272012 - standard *Amps 230V, 1-ph — 100A 230V, 3-ph — 59A 400V, 3-ph — 35A	Without Compressor: 272081 Aux. power available: 35A at 240V With Compressor: 272091 Aux. power available: 5A at 240V Other Specs: Compressor: Hydrovane 5 HP, 16cfm, 240V, 1-ph, 60 Hz Air Dryer: Hankison, refrigerated 22 scfm, 115V, 1-ph, 60 Hz Engine: Perkins 404-22G, 2.2 L, 29 HP Generator: Mecc Alte 22 kW, 240V, 1-ph, 60 Hz, pancake style
Packages	‡	‡	‡	‡
Operation manual	332144	312065	333023	332636
Repair manual	332144	312066	333024	332637

^{*}Reactor systems can be wired for all voltages: 230V - 1ph; 230V - 3ph; 400V - 3ph

‡ Basic packages available

‡ Basic packages

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

SystemWhip 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

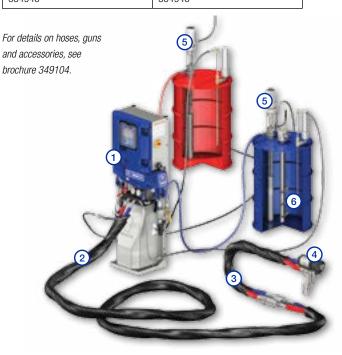
Coating units are not equiped with the Fusion CS gun

Build a complete system!





Hydraulic (H Series)	
Reactor 2 H-XP2	Reactor 2 H-XP3
240 bar (3500 psi, 24.0 MPa)	240 bar (3500 psi, 24.0 MPa)
83 bar (1200 psi, 8.3 MPa)	59 bar (850 psi, 5.9 MPa)
310 ft (94 m)	125 m (410 ft)
88°C (190°F)	88°C (190°F)
4.8 L (1.25 gal) / min	9.0 L (2.4 gal) / min
252 kg	272 kg
Yes	Yes
With 15.3 kW heater:	With 20.4 kW heater:
17H162 - Elite 17H062 - standard *Amps 230V, 1-ph — 100A 230V, 3-ph — 59A 400V, 3-ph — 35A	230V, 3-ph — 95A 17H174 - Elite 17H074 - standard 400V, 3-ph — 52A 17H176 - Elite 17H076 - standard
‡	‡
334945	334945
334946	334946



(1) SELECT A SYSTEM

Choose an air, electric or hydraulic model.

KEY FEATURES:

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

(2) SELECT HEATED HOSES

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

(3) SELECT HEATED WHIP HOSE

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

4 SELECT A GUN

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

SELECT SUPPLY PROCESSING EQUIPMENT

5 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.

6 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.

ABOUT GRACO

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

GRACO LOCATIONS

MAILING ADDRESS P.O. Box 1441 Minneapolis, MN 55440-1441

Tel: 612-623-6000 Fax: 612-623-6777

AMERICAS

MINNESOTA

Worldwide Headquarters Graco Inc. 88-11th Avenue N.E. Minneapolis, MN 55413

EUROPE

BELGIUM

European Headquarters Graco BVBA Industrieterrein-Oude Bunders Slakweidestraat 31 3630 Maasmechelen, Belgium

Tel: 32 89 770 700 Fax: 32 89 770 777

ASIA PACIFIC

AUSTRALIA

Graco Australia Pty Ltd. Suite 17, 2 Enterprise Drive Bundoora, Victoria 3083 Australia Tel: 61 3 9468 8500 Fax: 61 3 9468 8599

CHINA

Graco Hong Kong Ltd.
Shanghai Representative Office
Building 7
1029 Zhongshan Road South
Huangpu District
Shanghai 200011
The People's Republic of China
Tel: 86 21 649 50088
Fax: 86 21 649 50077

INDIA

Graco Hong Kong Ltd.
India Liaison Office
Room 432, Augusta Point
Regus Business Centre 53
Golf Course Road
Gurgaon, Haryana
India 122001
Tel: 91 124 435 4208

Fax: 91 124 435 4001

JAPAN Graco K.K. 1-27-12 Hayabuchi Tsuzuki-ku Yokohama City, Japan 2240025 Tel: 81 45 593 7300 Fax: 81 45 593 7301

KOREA

Graco Korea Inc. Shinhan Bank Building 4th Floor #1599 Gwanyang-Dong, Dongan-Ku, Anyang-si, Korea 431-060 Tel: 82 31 476 9400 Fax: 82 31 476 9801

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Graco is certified ISO 9001.

Europe +32 89 770 700 FAX +32 89 770 777 WWW.GRACO.COM