



Reactor™ 2

Spray Foam and Polyurea Equipment



PROVEN QUALITY. LEADING TECHNOLOGY.

Reactor² Revolutionary

Advancing the industry

Like you, we want consumers to be completely satisfied with their investment in spray foam insulation and polyurea coatings. Graco's goal is to provide equipment advancements that help you and your crews apply materials accurately, as the material suppliers intended.

We want to help you grow your business. That's why Graco developed the next generation in spray foam and polyurea technology – the Reactor 2.

Revolutionize the way you run your business

Each feature in the Reactor 2 was strategically designed to help your business, with innovations that help your operation run smoothly. Software and hardware enhancements for better spray performance. New technologies that add to your bottom line.



Reactor² gives you:

- Better control – with Graco InSite™ remote reporting, you can manage your business wherever you are
- Better documentation – automatically collect job log data and spray parameters – lets you confirm the job was sprayed to specifications
- Better fleet and crew management
- Better cost containment and forecasting
- Compact footprint – more room in your spray rig
- Ergonomic design – easier to service
- Advanced circuit boards
- Better spraying performance compared to traditional electric Reactor systems
- Troubleshooting made quick and easy with QR codes

Reactor 2. Available in stand-alone and integrated systems.



Reactor² Top 10 List

1. Advanced control technology

- Tracks, monitors and saves project data
- Data can be downloaded onto a USB drive for further analysis
- Easy to view data display
- Stores up to 24 chemical recipes
- Drum level indicators

2. Graco InSite Remote Reporting Technology

- Transmits real-time job activity you can view on your smart phone, tablet or computer
- Lets you control your business wherever you are

3. Troubleshooting made easy

- On-screen troubleshooting with QR code shortcuts to web-based advanced troubleshooting info
- Results in less downtime

4. Compact design

- 40% smaller footprint than a traditional E-Reactor

5. Ergonomics

- Easy to reach, conveniently-placed electronics

6. Troubleshooting Y-strainer

- Analog temperature and pressure gauges

7. Sacrificial surge protector

- Protects your electronics against excessive power spikes
- Extra sacrificial surge protector included with Reactor 2 to get you back up and running immediately

8. Advanced circuit boards

- Handles power fluctuations
- Minimizes pressure fluctuations on pump changeover
- Result is a smooth, consistent spray performance similar to hydraulic systems

9. Brushless electric motor

- Improved control and performance
- No maintenance
- Longer life

10. Three-year warranty

- Covers user display module, control boards and electric motor
- One of the best in the industry

A Closer Look at Reactor²



Documentation to help protect your business

Tracking project data has never been easier. With Reactor 2, you can easily create job logs for each job you do. You can track the name and date of each job, material temperatures, ambient temperatures and spray pressures – in short, everything you need to confirm that the chemical was sprayed within the recommended range.

Precise material application

Reactor 2 lets you store up to 24 recipes, so switching materials is fast, easy and trouble-free. You reduce human error in entering set points – instead you spray material as material suppliers intended.

	A	B	Q	Enabled
	°F	°F	°F	psi
RECIPE A	32	32	32	0
RECIPE B	32	32	32	0
RECIPE C	32	32	32	0
RECIPE D	32	32	32	0
RECIPE E	32	32	32	0
RECIPE F	32	32	32	0
RECIPE G	32	32	32	0
RECIPE H	32	32	32	0



Try it now!

Troubleshooting made easy

In the past, if you saw an unusual error code on your ADM, you might need to look it up. Reactor 2 features a new troubleshooting screen that displays a QR code. You simply scan the QR code with a smart phone or smart device, and it takes you right to a website that provides up-to-date advanced troubleshooting information. You're up and running more quickly.

Advanced control technology

Tracks project information

- Advanced Display module (ADM) tracks, monitors and saves project information
 - Data can be downloaded onto a USB drive for further analysis

Easy to view data display

- Drum fluid levels – let you know if you are running low on material
 - System events such as startup and shutdown times
 - Daily chemical output

Stores material settings to get you up and running faster

- Saves key setup data such as temperatures and pressure set points for up to 24 chemical recipes

Reduces downtime with QR codes

- Error messages via QR codes explain the problem and provide solutions

Flexible system settings

- If chemicals are low, or if pressure imbalance occurs, you can program the system to shut down automatically



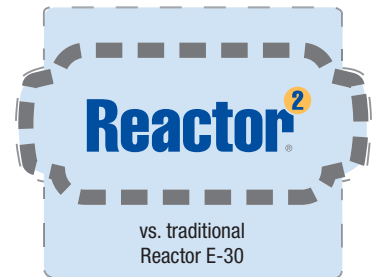


Better spraying performance

Reactor 2 uses software in the motor control module to intelligently smooth out pressure fluctuations on pump changeovers that are inherent to an electric driven machine. The result is a smooth, even spray that is characteristic of a hydraulic machine.

Sleek design means more room in your spray rig

Reactor 2 is designed with a 40% smaller footprint than a traditional Reactor E-30. Which gives you extra working space in your trailer for extra gear, another Reactor – or maybe even another set of chemicals.



Ergonomic setup makes it easier to service

Electronics on the Reactor 2 are located at the top of the system's cabinet. It's all within easy reach – more convenient and less awkward to get at than previous Reactor systems.

Advanced circuit boards for peace of mind

Graco designed the electronics in the Reactor 2 to a stringent electronics reliability standard. These boards can withstand power spikes and surges.



Sacrificial surge protector

As an added level of protection, Graco also added a sacrificial surge protector to the system. If there is an excessive spike, you only have to replace this smaller, less expensive part – not the whole electronics board. All Reactor 2 models include a spare sacrificial surge protector to get you back up and running immediately.

Graco InSite™ Remote Reporting Technology

The power to control your business – wherever you are

If you need to manage multiple jobsites, spend time away from the jobsite, or just want a better way to record what goes on at the jobsite, Graco InSite is your answer.

Graco InSite is remote reporting technology that lets you track jobsite activity in real time via a PC or smart device. From your smart phone, tablet or computer, see at a glance if your crews are spraying and what time they began. Verify that all spray parameters are correct. Monitor exactly how much material is being used, and do it from anywhere you can access the Internet.

Control the direction of your business

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 automatically stored. This data can be invaluable if you need to show that you sprayed material according to the manufacturer's specifications.

Most importantly, Graco InSite offers peace of mind that your jobs are running smoothly, your workers are productive, and you can leave the jobsite to pursue more important business matters.



Ambient Temperature Probe

- Early warning system to alert you if chemicals are getting too cold

Name	Reactor Model	Status	Daily Material Usage (Lm)	Daily Actual Spray Time (Hours)	Daily Power On Time (Hours)	Daily Cycle Count	Cycle Count (Resettable)	Temp A (Actual/Set-point) (°F)	Temp B (Actual/Set-point) (°F)	Flow (Actual/Set-point) (°F)	Pressure A (Actual/Set-point) (Psi)	Pressure B (Actual/Set-point) (Psi)	Last Operator Date	Data and Location
V2 Spray Foam Insulation	E-30	Green	48.5	1.7	3.76	1775	4894	116 / 115	115 / 115	118 / 115	319 / 1002	359 / 1002	Dec 19, 2013 10:47:16 AM	[Icons]
V2 Disacell UK	-	Red	0.0	---	8.83	8	Not Available	---	---	---	---	---	---	[Icons]
V2 Netherlands	E-APP2	Red	3.0	0.19	3.28	144	154	---	---	---	---	---	Dec 19, 2013 3:42:23 AM	[Icons]
Poland	E-30	Red	19.0	0.6	4.9	688	689	---	---	---	---	---	Dec 19, 2013 7:28:42 AM	[Icons]
X1	E-30	Yellow	19.0	0.68	1.18	694	40294	107 / 140	142 / 140	140 / 140	1199 / 1200	1203 / 1200	Dec 19, 2013 10:26:53 AM	[Icons]
GH1	E-30	Yellow	40.0	1.47	3.89	1799	1808	103 / 103	103 / 103	---	1015 / 900	1014 / 900	Dec 19, 2013 10:47:36 AM	[Icons]
Identi	E-30	Yellow	6.6	0.43	1.61	224	224	112 / 107	109 / 107	107 / 107	1104 / 1000	1104 / 1000	Dec 19, 2013 10:47:12 AM	[Icons]
MHC	E-30	Yellow	13.5	0.67	2.36	499	0	117 / 117	116 / 117	113 / 117	1340 / 1200	1402 / 1200	Dec 19, 2013 10:47:21 AM	[Icons]
GH2	H-25	Green	12.0	0.73	2.62	195	309	126 / 127	131 / 127	---	396 / ---	396 / ---	Dec 19, 2013 10:47:17 AM	[Icons]
Messel	E-30	Red	0.0	---	2.27	0	1087	---	---	---	---	---	Dec 19, 2013 8:05:14 PM	[Icons]
GH3	H-25	Green	4.0	0.52	3.36	42	42	100 / 90	95 / 90	---	303 / ---	1015 / ---	Dec 19, 2013 10:47:45 AM	[Icons]

GPS Locator for Fleet

- See the actual GPS location of all spray rigs

GPS Locator

- See the actual GPS location of each spray rig

Job Log, Data Usage Log, Event Log

- Use icons to access and download detailed reports

Temperature and Pressure Set-points

- Rest assured that conditions are fine

Volume and Hours of Use

- See how much chemical each crew has sprayed and how long it took

Status lights

- Red, yellow and green say at a glance if machines are off, idling or spraying

Inlet Temperature

- Records temperature and pressures of A and B materials for early troubleshooting diagnosis
- Available on Reactor 2 Elite models only

Better fleet and crew management

- Know when Reactors are running, idling or off
- Track productivity by crew or Reactor
- Avoid human error and time wasted by manual logging
- Follow your Reactors with GPS tracking
- Recognize unauthorized or after-hours use of Reactors or materials
- Receive real-time alerts to deviations and other parameters you define
- Receive a daily email summarizing the previous day's performance totals

Better cost containment and forecasting

- Know when equipment is ready for maintenance by using lifetime cycle logs
- Save lost revenue and downtime by having real-time, factual information at your fingertips that can help you get up and running fast performance totals

Better customer service

- Help troubleshoot issues remotely and get machines up and running faster
- Provide more accurate job estimates, basing it on actual data from prior jobs

Better protection for your future

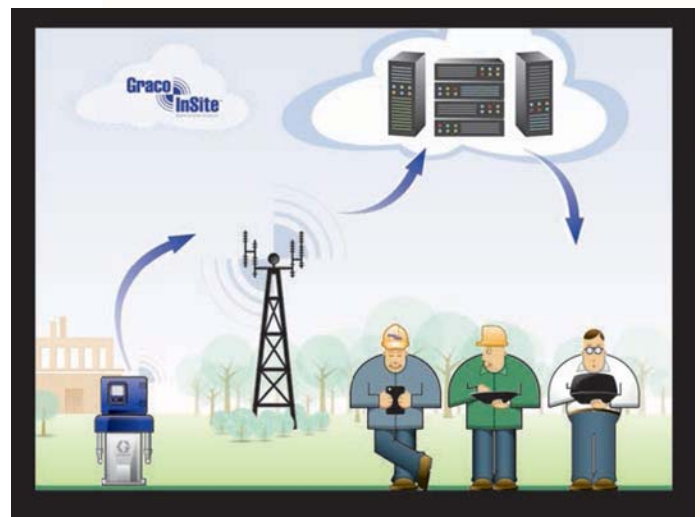
- Have documented data showing spray parameters for every job
 - Offer a final job report to customers as an additional service
 - Recognize when it's time to hire additional crews and expand your fleet
 - Schedule appointments with potential customers, knowing that you can still check on your jobsites wherever you go

Graco InSite is standard on Elite packages or can be purchased as an accessory kit and installed easily on most existing electric and hydraulic Reactors.

It's simple cellular technology

Graco InSite works by transmitting your data using the local cellular network, where it is stored in the cloud. You can then view the data on your smart phone, tablet or computer via the internet.

Data is transmitted to you in real time, making it possible to receive current information on jobsite performance. If no cell connection is available near the jobsite, the information is stored on the Reactor and transmitted when a connection is established.



Meet 2-Track Solutions, LLC

Graco InSite is a collaboration between Graco and 2-Track Solutions, LLC, an established leader in web-based vehicle intelligence and asset tracking. The partnership combines expertise in equipment, hardware, software development, data storage and cellular technology. Graco InSite is a subscription-based service; your subscription can be paid monthly or annually.



View a demo now!

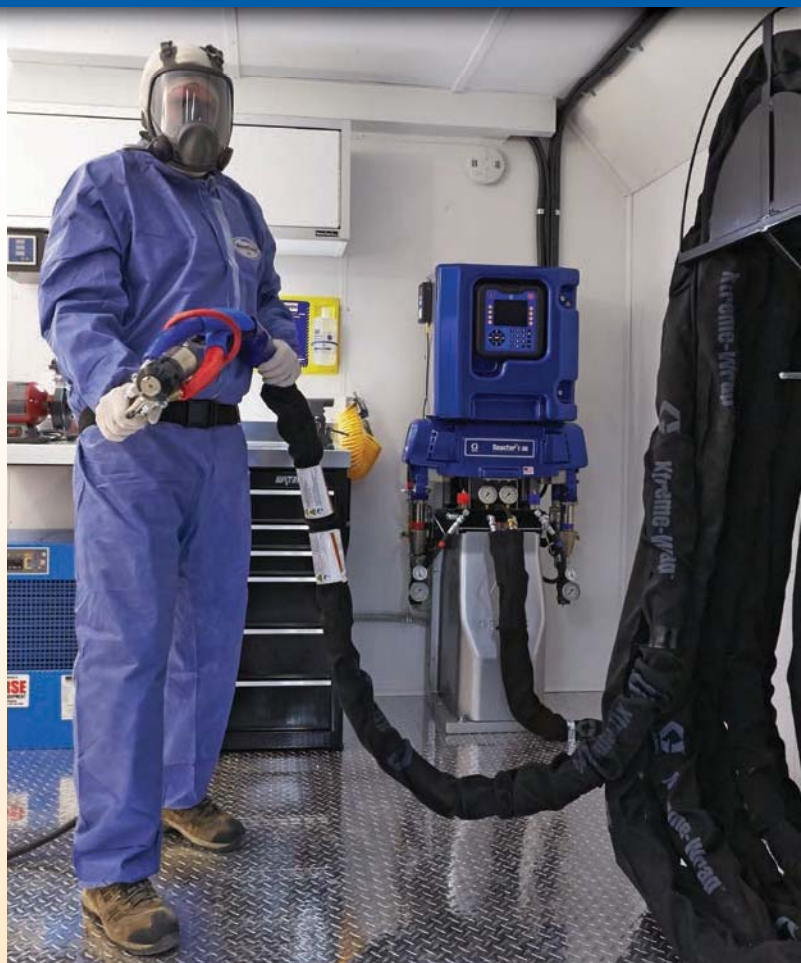
Ordering Information and Technical Specifications

Reactor² Elite models include:

- Graco InSite Remote Reporting Technology
- Inlet pressure and temperature sensor (interfaces with Graco InSite)
- Xtreme-Wrap™ Scuff Guard on heated hoses for Reactor 2 packages

Reactor² standard models include:

- Graco InSite upgradable (will not include inlet temperature and pressure)
- No inlet pressure and temperature sensor
- Standard scuff guard on heated hoses with Reactor packages



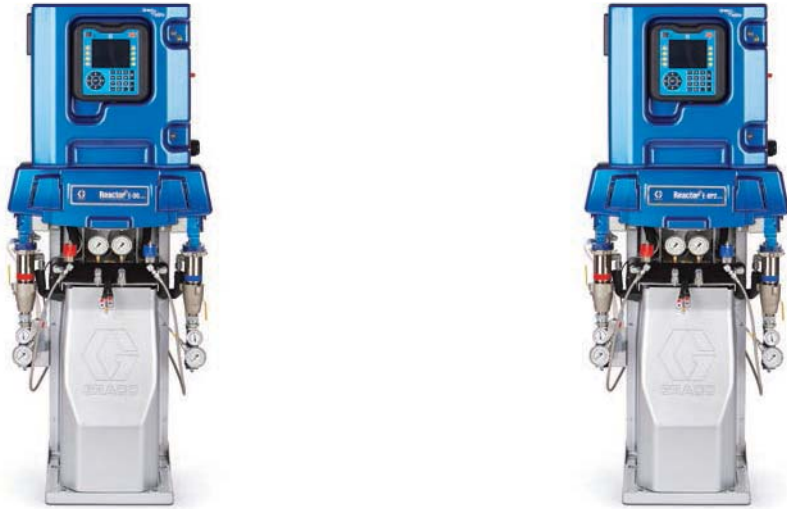
Three-Year Extended Warranty

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, we will be there.

Reactor 2 offers a three-year extended warranty on control boards, display module and electric motor. See product manuals for specific warranty details.



Three-year warranty extended



Model	SPRAY FOAM EQUIPMENT		POLYUREA EQUIPMENT	
	Reactor 2 E-30 Elite	Reactor 2 E-30	Reactor 2 E-XP2™ Elite	Reactor 2 E-XP2™
Graco InSite	Yes	No	Yes	No
Fluid Inlet Sensors	Yes	No	Yes	No
Max Working Pressure bar (Mpa, psi)	138 (13.8-2000)	138 (13.8-2000)	240 (24.0-3500)	240 (24.0-3500)
Ordering Information	With 10 kW heater:	With 10 kW heater:		
*Amps: Select 230V-1ph — 78; 230V-3ph — 50; or 400V-3ph — 34	272110 (Bare)	272010 (Bare)		
	AP2110 (AP Pkg)	AP2010 (AP Pkg)		
	CS2110 (CS Pkg)	CS2010 (CS Pkg)		
	P22110 (P2 Pkg)	P22010 (P2 Pkg)		
	With 15 kW heater:	With 15 kW heater:	With 15 kW heater:	With 15 kW heater:
*Amps: Select 230V-1ph — 100; 230V-3ph — 62; or 400V-3ph — 35	272111 (Bare)	272011 (Bare)	272112 (Bare)	272012 (Bare)
	AP2111 (AP Pkg)	AP2011 (AP Pkg)	AP2112 (AP Pkg)	AP2012 (AP Pkg)
	CS2111 (CS Pkg)	CS2011 (CS Pkg)		
	P22111 (P2 Pkg)	P22011 (P2 Pkg)	P22112 (P2 Pkg)	P22012 (P2 Pkg)
Heated hose, 15 m (50 ft)	24Y240	24K240	24Y241	24K241
Heated hose, 3 m (10 ft)	246050	246050	246055	246055
Fusion® AP Gun	246102	246102	246101	246101
Fusion CS Gun	CS02RD	CS02RD	no	no
Probler® P2	GCP2R2	GCP2R2	GCP2R1	GCP2R1
Max Hose Length	94 m (310 ft)	94 m (310 ft)	94 m (310 ft)	94 m (310 ft)
Max Fluid Temp	88°C (190°F)	88°C (190°F)	88°C (190°F)	88°C (190°F)
Output	13.5 kg/min	13.5 kg/min	7.6 lpm (2.0 gpm)	7.6 lpm (2.0 gpm)
Weight	161 kg	161 kg	159 kg	159 kg
Operation manual	333023	333023	333023	333023
Repair manual	333024	333024	333024	333024

*Each model can be wired for all voltages: 230V-1ph; 230V-3ph; 400V-3ph