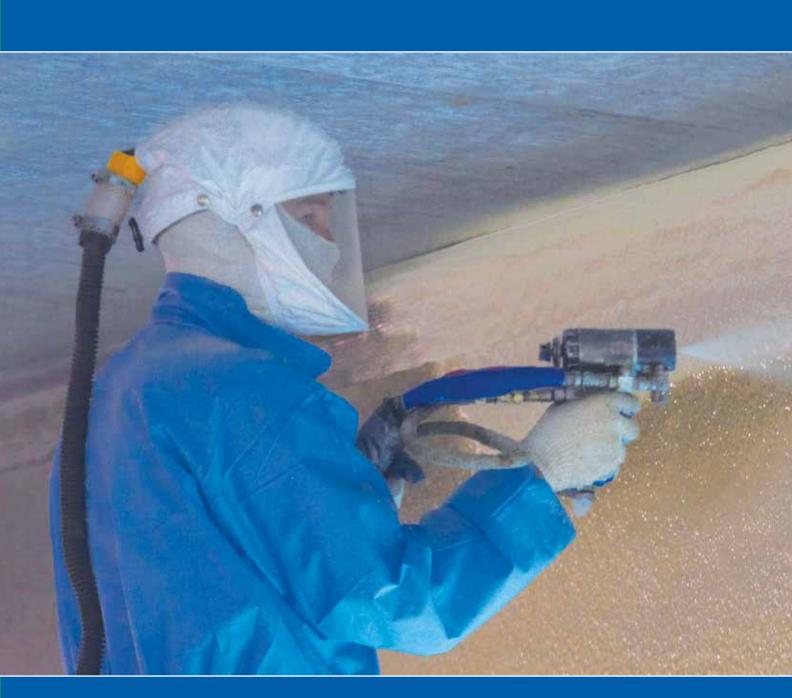
# Fast-Set Plural-Component Equipment



For Foam and Coatings Applications



# **Engineered for Performance**

Expect superior foam and coatings results with Graco® Plural-Component Equipment



## **Complete systems for superior results**

Whether you're spraying polyurethane foam or applying polyurea, Graco Reactor® Plural-Component Systems help you get the job done with superior results.

From entry-level models to high-output systems, there is a Graco Reactor that's ideal for your application.

#### **Applications:**

#### **Polyurethane Foam**

- Residential wall insulation
- · Rim and band joist
- Roof insulation
- Aerospace
- Commercial walls
- Concrete lifting

#### **Coatings**

- Concrete joint filling
- Marine and shipbuilding
- Potable water
- Wastewater treatment
- Truck bedliners
- Secondary containment
- · Adhesives and caulk
- Waterproofing
- · Tank and pipe coating
- Foundations

## Build a complete system in just a few steps

## 1 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)

# 2 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 IDS.

## 3 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 IDS.

## 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.



# Air, Electric and Hydraulic Systems

No matter what the application, Graco has the solution

# Which system is right for you

#### **AIR-DRIVEN**

- · Entry-level system
- Low-output applications
- · Easy to use
- Minimal system feedback for operator



Reactor® A-25

#### **ELECTRIC**

- The most popular system
- · High value for great performance
- . Mid- to high-output applications
- Provides operator with material data and system diagnostics for total control



Reactors E-8p, E-10, E-10hp, E-20, E-30, E-XP1, E-XP2, E-30i, E-XP2i

#### **HYDRAULIC**

- Top of the line system for high-production professionals
- · Highest value for the greatest performance
- . High-output applications
- Ideal for in-plant OEMs
- · Provides superior, uninterrupted performance
- Provides operator with material data and system diagnostics for total control



Reactors H-25, H-40, H-50, H-XP2, H-XP3

#### PERFORMANCE CHARTS

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 GRAPHS

- · Select spray pressure
- · Select mix chamber or flow rate
- · Choose proportioner model

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

#### FOAM EXAMPLE

Mix chamber: AR6060 (03) Pressure: 1250 psi Flow rate: 22 lb/min\*

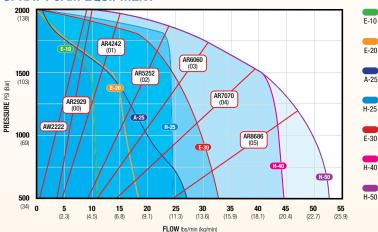
Reactors H-25, E-30, H-40, H-50

#### COATING EXAMPLE

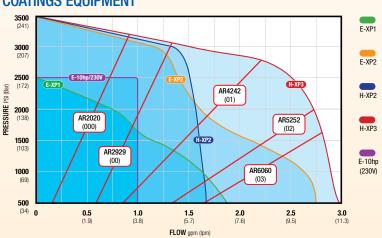
Mix chamber: AR2929 (00) Pressure: 1500 psi Flow rate: 0.9 gpm\* Reactors E-XP1, E-XP2, H-XP2, H-XP3, E-10hp (230V)

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

#### SPRAY FOAM EQUIPMENT



#### **COATINGS EQUIPMENT**



# Air-Driven Equipment

Easy-to-use, entry-level system for low-output applications

# Reactor A-25: Superior performance with long-lasting durability

The Reactor A-25 is a Graco-engineered spray foam proportioner that gives you the reliability you expect on the jobsite. It maintains consistent temperature control, even when you're spraying at maximum flow rates - resulting in better quality foam.

- Maintains temperature setpoints for better yield
- Maintains consistent output pressure for uniform spray pattern
- Easy to operate and maintain
- · Best choice for affordability and long-lasting durability

#### DataTrak™ Control

• Resettable counter tracks material usage

#### 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

#### NXT<sup>®</sup> Air Motor

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



#### **Hybrid Heater**

Provides better temperature control

#### Quick Knockdown Lower Pumps

• For easy disassembly and maintenance

#### ISO Pump Lube System

 Prevents isocyanate crystallization on the pump seal and shaft



# **Electric Equipment**

Preferred choice for medium- to high-output foam or coatings applications

## Reactor E-Series: High performance at an outstanding value

Equipped with material data and system diagnostics, Reactor E-Series proportioners provide total control. Advanced features provide longer equipment life, more uptime for your spray day and overall Graco reliability. From entry-level models to high-output systems, there's a Reactor system that's ideal for your specific application.

- Easy to use, easy to learn reduces training time and increases productivity
- · Circulation valves with longer lasting seals
- Longer lasting modular heater control boards that minimize downtime
- Heat transformers that don't require tap settings
- Models include E-8p, E-10, E-10hp, E-20 and E-XP1

## Discover the benefits of Reactor<sup>2</sup>

- Advanced control technology tracks, monitors and saves project data
- Graco InSite<sup>™</sup> Remote Reporting Technology (with Elite models)
- Troubleshooting made easy with on-screen QR code shortcuts
- Compact design saves room in your spray rig
- Reactor 2 models include E-30, E-XP2 and E-30i, E-XP2i



For Reactor 2 details, see brochure 348986.



#### **PROVEN RELIABILITY**

Reactor E-20 and E-XP1

With proven reliability in the field, the Reactor E-20 and E-XP1 systems are designed to apply foam, polyurea and other materials that require accurate temperatures and pressures necessary for superior coating results.

- Easy to use
- · Accurate heating with precise temperature sensing
- Portable, wheeled cart lets you get closer to the job

# Portable Electric Equipment

Portable entry-level systems

## Reactor E-10hp: Expand your business with polyurea applications

The Reactor E-10hp™ is great for coating projects such as terraces, balconies, pools, tanks, containment, waterproofing and bedliner applications. It's a smart, affordable investment that will help your business grow. And even though it's an entry-level system, it still packs plenty of power. The Reactor E-10hp adds high pressure to give you the power and performance you need to spray polyurea coatings.

- Heats material fast quick startup times
- Portable, lightweight and easy to use
- Uses standard residential electrical outlets no generator needed
- Affordable investment compared to a standard Reactor which requires a generator and spray rig

Insulated Tanks

moisture control

Double-wall insulated to retain heatSmooth interior lining for easy cleaning

Improved seal design on lid for better

#### 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

#### **Digital Heat Controls**

- Allows you to enter the exact temperatures you need
- Uses the same circuit boards as a standard Reactor

#### Single Knob Motor Operation

· Intuitive, easy to use

#### Robust Hybrid Heater

• More power, faster material heating means more uptime

#### Motor

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

#### Quick Knockdown Lower Pumps

Easy disassembly and maintenance

#### Temperature Gauges in Y-strainers

• Provides accurate tank temperature readings



#### **COMPACT AND PORTABLE**

#### ◀ Reactor E-10

Get smaller jobs done fast without sacrificing performance. Graco's portable E-10 sprayers are ideal for plural-component spray, joint-fill jobs and touch-ups.

- · Electric power is low draw and plugs into standard outlets
- Intuitive start, stop and digital temperature display with single knob operation
- Easy-to-service fluid section reduces maintenance and increases productivity
- Electric motor improves performance and reduces operating costs
- Heaters and hose give up to 2000 watts to pre-heat circulating material

#### **Applications**

#### **Foam Insulation**

- · Rim joists
- Roof patching
- Prep work
- · Window repair

#### Coatings

- Small industrial jobs
- Concrete joint filling and flooring applications
- Small tank spraying using cold spray polyurea
- Industrial maintenance
- · Hybrid polyureas

# Portable Electric Equipment

Grow your business with professional equipment solutions

• Choose from various restrictor options to fit your unique material needs

• Compatible with Reactor E-8p and unheated Reactor E-10

## 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 frees up larger rigs for larger jobs while enabling you to finish the job affordably. For flooring applications, the Reactor E-8p offers easy control and is ideal for small to mid-sized joint fill applications.



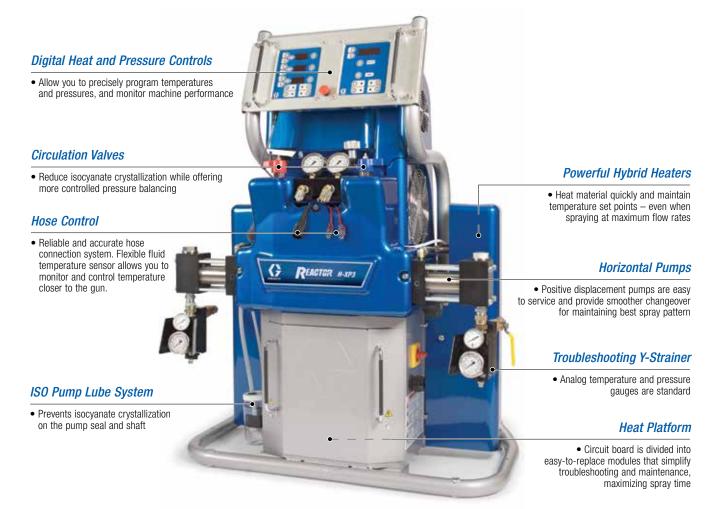
# Hydraulic Eqiupment

Top of the line equipment for high-production professionals

## Reactor H-Series: Superior power and performance

Graco's line of hydraulic Reactors brings increased yield and performance to high-output spraying. Hydraulic systems are the choice of spraying professionals who want to reap the benefits of the latest spraying technologies and add productivity to boost their bottom line.

- Adjustable pressure imbalance for tighter or looser ratio error detection
- Flexibility to change A or B pumps for fixed ratio application other than 1:1
- Models include: H-25, H-40, H-50, H-XP2, H-XP3 and H-VR





#### **VARIABLE RATIO DISPENSING**

#### Reactor H-VR – Variable Ratio Hydraulic Proportioner

The Reactor H-VR is a variable ratio proportioner that combines proven Graco hydraulic Reactor technology with variable ratio capabilities.

- For applications that require a range or difference in volumetric ratio
- Infinitely adjustable volume ratio from 1:1 to 2.5:1
- · Dispenses polyurethane foams and polyurea coatings
- Rated for 3500 psi max working pressure
- 15,300 watt heaters

#### **Ordering Information**

Gun and hose sold separately 256886 Reactor H-VR, 230-volt, 3-ph 256887 Reactor H-VR, 400-volt, 3-ph

# **Integrated Systems**

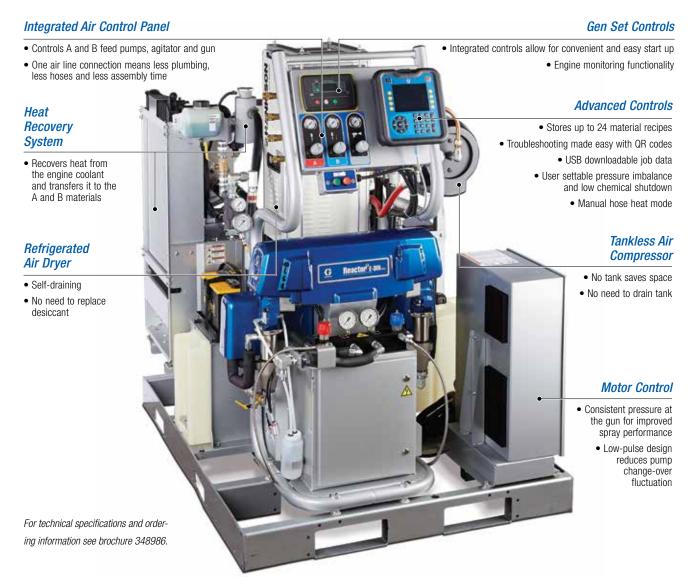
A true Graco-engineered solution

# Reactor E-30i and E-XP2i: Ready for the jobsite or spray rig - right out of the box

A complete system for polyurethane foam or polyurea applications, the integrated series of Reactor proportioning systems combines an electric Reactor and a diesel generator into one package. Complete turnkey models are also available with an integrated air compressor

- Saves diesel fuel costs on average of \$7,000 annually\*
- Improves productivity with advanced, easy to use controls
- Eliminates guesswork the system is totally engineered and tested by Graco
- Eliminates costly power issues associated with shore power and low cost generators
- Start spraying sooner with improved heating capacity
- Improves spray performance with consistent pressure at the gun
- Saves time easy to install into a spray rig since it's prewired with components already selected and installed
- Reduces fuel costs even more compact, portable design fits into a smaller trailer and a smaller trailer means a smaller truck

<sup>\*</sup> By replacing a standard 40 kw generator with a 20 kw generator, the system's fuel needs are greatly reduced. Savings are an estimate only. Actual savings may vary.



# Graco Equipment for Foam and Coatings

**Technical Specifications and Ordering Information** 













#### **SPRAY FOAM EQUIPMENT**

	Air-Driven	Oriven Electric (E Series)					
MODEL		` '	F 40	F 00	D	Hydraulic (H Series)	
MODEL	A-25	E-8p	E-10	E-20	Reactor 2 E-30	H-25	
Max Working Pressure	2000 psi (138 bar, 13.8 MPa) 28 scfm air consumption@100 psi	2000 psi (140 bar, 14 MPa)	2000 psi (138 bar, 13.8 MPa)	2000 psi (138 bar, 13.8 MPa)	2000 psi (138 bar, 13.8 MPa)	2000 psi (138 bar, 13.8 MPa)	
Min Working Pressure	N/A	NA	N/A	N/A	N/A	850 psi (59 bar, 5.9 MPa)	
Max Hose Length	210 ft (64 m)	105 ft (32 m)	105 ft (32 m)	210 ft (64 m)	310 ft (94 m)	310 ft (94 m)	
Max Fluid Temp	190°F (88°C)	NA	160°F (71°C)	190°F (88°C)	190°F (88°C)	190°F (88°C)	
Output	25 lb (11.4 kg)/min	.00352 gpm (0.0133 lpm)	12 lb (5.4 kg)/min	20 lb (9 kg)/min	30 lb (13.6 kg)/min	22 lb (10 kg)/min	
Weight	250 lb (113 kg)	95 lb (43 kg)	Heated: 160 lb (72 kg) Unheated: 150 lb (68 kg)	342 lb (155 kg)	355 lb (161 kg)	8 kW: 535 lb (243 kg) 15 kW: 562 lb (255 kg)	
Ordering Information	With 6.0 kW heater:  40A-230V, 1-ph 262614 (Bare) AP2614 (AP Pkg) CS2614 (CS Pkg) P22614 (P2 Pkg)  32A-230V, 3-ph 262614 (Bare) AP2614 (AP Pkg) CS2614 (CS Pkg) P22614 (P2 Pkg)  18.5A-380V, 3-ph (4-wire) 262614 (Bare) AP2614 (AP Pkg) CS2614 (P2 Pkg) P22614 (P2 Pkg) P2614 (P2 Pkg) P2614 (P2 Pkg)	Foam: 120V 259082 (Bare) AP9082 (AP Pkg) CS9082 (CS Pkg) P29082 (P2 Pkg)  Flooring: 120V 259082 (Bare) 24R151 (Pkg) 230V 259083 (Bare) 24R154 (Pkg)	With 1.7 kW heater: 120V, 2-cord 249570 (Bare) AP9570 (CS Pkg)  With 2.0 kW heater: 240V, 2-cord 249571 (Bare) AP9571 (AP Pkg) CS9571 (CS Pkg)  240V, 1-cord 249572 (Bare) AP9572 (AP Pkg) CS9572 (CS Pkg)  Unheated ambient system: 120V 249576 (Bare) 249806 (Pkg) 240V 249577 (Bare) 249808 (Pkg)	With 6.0 kW heater:  48A-230V, 1-ph 259025 (Bare) AP9025 (AP Pkg) CS9025 (CS Pkg) P29025 (P2 Pkg)  32A-230V, 3-ph 259034 (Bare) AP9034 (AP Pkg) CS9034 (CS Pkg) P29034 (P2 Pkg)  24A-400V, 3-ph 259030 (Bare) AP9030 (AP Pkg) CS9030 (CS Pkg) P29030 (P2 Pkg)	Elite With 10.2 kW heater: 272110 (Bare) AP2110 (AP Pkg) CS2110 (CS Pkg) P22110 (P2 Pkg) With 15.3 kW heater: 272111 (Bare) AP2111 (AP Pkg) CS2111 (CS Pkg) P22111 (P2 Pkg) Standard With 10.2 kW heater: 272010 (Bare) AP2010 (AP Pkg) CS2010 (CS Pkg) P22010 (P2 Pkg) With 15.3 kW heater: 259057 (Bare) AP9057 (AP Pkg) CS9057 (CS Pkg) P29057 (P2 Pkg)  *Amps: 10 kW: 230V 1-ph — 78 230V 3-ph — 50 400V 3-ph — 100 230V 3-ph — 62 400V 3-ph — 62 400V 3-ph — 35	With 8.0 kW heater:  69A-230V, 1-ph 255400 (Bare) AP5400 (AP Pkg) CS5400 (CS Pkg) P25400 (P2 Pkg)  46A-230V, 3-ph 255401 (Bare) AP5401 (AP Pkg) CS5401 (CS Pkg) P25401 (P2 Pkg)  35A-400V, 3-ph 255402 (Bare) AP5402 (AP Pkg) CS5402 (CS Pkg) P25402 (P2 Pkg)  With 15.3 kW heater: 100A-230V, 1-ph 255406 (Bare) AP5406 (AP Pkg) CS5406 (CS Pkg) P25406 (P2 Pkg)  59A-230V, 3-ph 255407 (Bare) AP5407 (AP Pkg) CS5407 (CS Pkg) P25407 (P2 Pkg)  35A-400V, 3-ph 255408 (Bare) AP5408 (AP Pkg) CS5408 (Bare) AP5408 (AP Pkg) CS5408 (Bare) AP5408 (AP Pkg) CS5408 (CS Pkg)	
Operation manual	3A1569	3A1602	311075	312065	333023	P25408 (P2 Pkg) 312062	
-							
Repair manual	3A1570	3A1602	311075	312066	333024	312063	















### **COATINGS EQUIPMENT**

COATINGS EQUIPMENT										
		Electric (E Series)			Hydraulic (H Series)					
H-40	H-50	E-10hp	E-XP1	Reactor 2 E-XP2	H-XP2	H-XP3				
2000 psi (138 bar, 13.8 MPa)	1700 psi (117 bar, 11.7 MPa) 1-ph 2000 psi (138 bar, 13.8 MPa) 3-ph	3000 psi (206 bar, 20.6 MPa)	2500 psi (172 bar, 17.2 MPa)	3500 psi (240 bar, 24.0 MPa)	3500 psi (240 bar, 24.0 MPa)	1-ph: 3200 psi (221 bar, 22.1 MPa) 3-ph: 3500 psi (240 bar, 24.0 MPa)				
600 psi (41 bar, 4.1 MPa)	600 psi (41 bar, 4.1 MPa)	NA	N/A	N/A	1200 psi (83 bar, 8.3 MPa)	850 psi (59 bar, 5.9 MPa)				
410 ft (125 m)	410 ft (125 m)	105 ft (32 m)	210 ft (64 m)	310 ft (94 m)	310 ft (94 m)	410 ft (125 m)				
190°F (88°C)	190°F (88°C)	170°F (77°C)	190°F (88°C)	190°F (88°C)	190°F (88°C)	190°F (88°C)				
45 lb (20 kg)/min	52 lb (23.6 kg)/min	1 gpm (3.8 lpm)	1.0 gpm (3.8 lpm)	2.0 gpm (7.6 lpm)	1.5 gpm (5.7 lpm)	2.8 gpm (10.6 lpm)				
597 lb (271 kg)	597 lb (271 kg)	239 lb (108 kg)	342 lb (155 kg)	350 lb (159 kg)	562 lb (255 kg)	597 lb (271 kg)				
With 12.0 kW heater: 100A-230V, 1-ph 253400 (Bare) AP3400 (AP Pkg) P23400 (P2 Pkg)  With 15.3 kW heater: 71A-230V, 3-ph 253401 (Bare) AP3401 (AP Pkg) P23401 (P2 Pkg) 41A-400V, 3-ph 253402 (Bare) AP3402 (AP Pkg) P23402 (P2 Pkg)  With 20.4 kW heater: 95A-230V, 3-ph 253407 (Bare) AP3407 (AP Pkg) P23407 (P2 Pkg) 52A-400V, 3-ph 253408 (Bare) AP3408 (AP Pkg) P23408 (P2 Pkg)	With 12.0 kW heater: 100A-230V, 1-ph 253725 (Bare) AP3725 (P2 Pkg)  With 15.3 kW heater: 71A-230V, 3-ph 253726 (Bare) AP3726 (AP Pkg) P23726 (P2 Pkg)  41A-400V, 3-ph 253727 (Bare) AP3727 (AP Pkg) P23727 (P2 Pkg)  With 20.4 kW heater: 95A-230V, 3-ph 256505 (Bare) AP6505 (AP Pkg) P26505 (P2 Pkg)  52A-400V, 3-ph 256506 (Bare) AP6506 (AP Pkg) P26506 (P2 Pkg)	120V 24T100 (Bare) APT100 (AP Pkg) P2T100 (P2 Pkg)  230V 24T900 (Bare) APT900 (AP Pkg) P2T900 (P2 Pkg)	With 10.2 kW heater: 69A-230V, 1-ph 259024 (Bare) AP9024 (AP Pkg) P29024 (P2 Pkg)  43A-230V 3-ph 259033 (Bare) AP9033 (AP Pkg) P29033 (P2 Pkg)  24A-400V, 3-ph 259029 (Bare) AP9029 (AP Pkg) P29029 (P2 Pkg)	Elite With 15.3 kW heater: 272112 (Bare) AP2112 (AP Pkg) P22112 (P2 Pkg  Standard With 15.3 kW heater: 272012 (Bare) AP2012 (AP Pkg) P22012 (P2 Pkg)  *Amps: 230V 1-ph — 100 230V 3-ph — 62 400V 3-ph — 35	With 15.3 kW heater: 100A-230V, 1-ph 255403 (Bare) AP5403 (AP Pkg) P25403 (P2 Pkg) 59A-230V, 3-ph 255404 (Bare) AP5404 (AP Pkg) P25404 (P2 Pkg) 35A-400V, 3-ph 255405 (Bare) AP5405 (AP Pkg) P25405 (P2 Pkg)	With 12.0 kW heater: 100A–230V, 1-ph 253403 (Bare) AP3403 (AP Pkg) P23403 (P2 Pkg)  With 20.4 kW heater: 95A–230V, 3-ph 253404 (Bare) AP3404 (AP Pkg) P23404 (P2 Pkg) 52A–400V, 3-ph 253405 (Bare) AP3405 (AP Pkg) P23405 (P2 Pkg)				
312062	312062	332144	312065	333023	312062	312062				
312063	312063	332144	312066	333024	312063	312063				



#### **ABOUT GRACO**

#### PROVEN QUALITY. LEADING TECHNOLOGY.

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**

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