

Fast-Set Plural-Component Equipment and Accessories

For Foam and Coatings Applications



PROVEN QUALITY. LEADING TECHNOLOGY.

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Engineered for Performance

Expect superior foam and coatings results with Graco® Plural-Component Proportioners and Spray Guns



Complete systems for superior results

Whether you're spraying polyurethane foam insulation in a home, commercial building or rooftop, or applying polyurea to coat a bedliner or to protect any other substrate, Graco Plural-Component Proportioner Systems help you get the job done with superior results.

You'll discover that Graco equipment is easy to use, rugged, reliable and easy to maintain.

From entry-level models to high-output systems, there's a Graco Plural-Component Proportioning System that's ideal for your application.

Applications:

Polyurethane Foam

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

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 PROPORTIONER

Choose an air, electric or hydraulic model.

KEY FEATURES:

- Quick knockdown fluid sections
- 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.

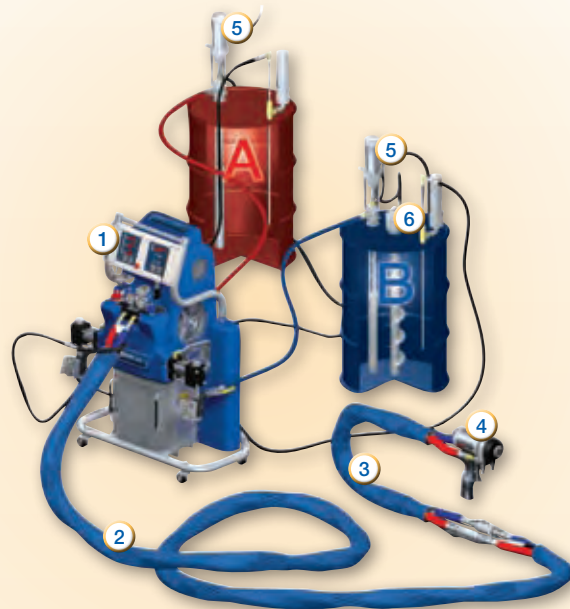
5 SELECT SUPPLY PROCESSING EQUIPMENT

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 proportioning system
- Low-output applications
- Easy to use
- Minimal system feedback for operator



Reactor® A-20;
 Guardian™ A-5, A-6

ELECTRIC

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



Reactors E-10, E-20,
 E-30, E-XP1, E-XP2

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 proportioner 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

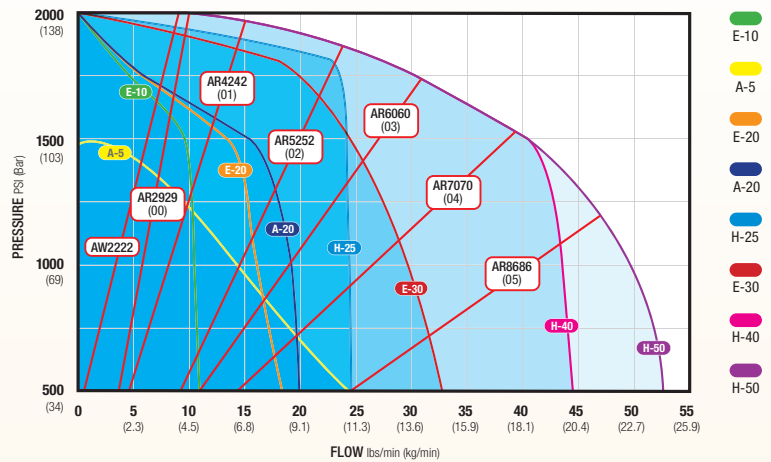
Mix chamber: AR6060 (03)
 Pressure: 1250 psi
 Flow rate: 22 lb/min*
 Proportioners H-25, E-30, H-40, H-50

COATING EXAMPLE

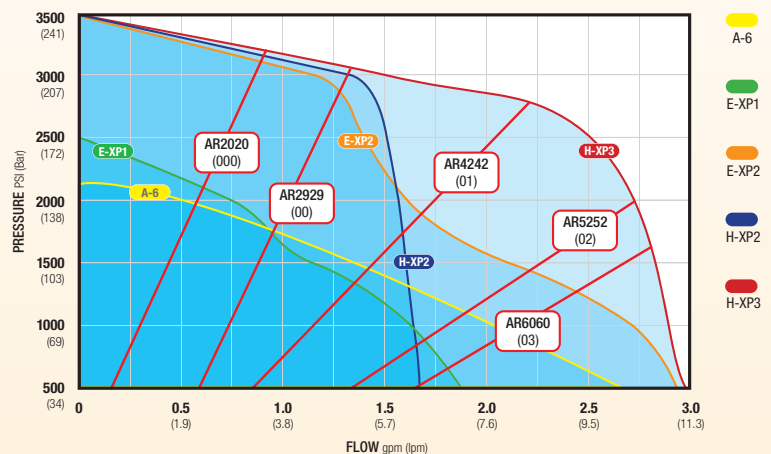
Mix chamber: AR2929 (00)
 Pressure: 1500 psi
 Flow rate: 0.9 gpm*
 Proportioners A6, E-XP1, E-XP2, H-XP2, H-XP3

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

PROPORTIONERS FOR FOAM



PROPORTIONERS FOR COATINGS



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.

- Circulation valves with longer-lasting seals
- Heat transformers that don't require tap settings
- Longer-lasting modular heater control boards that minimize downtime
- Models include: E-10, E-20, E-30, E-XP1, E-XP2

Digital Heat and Pressure Controls

Allow you to precisely program temperatures and pressures, and monitor machine performance

Powerful Hybrid Heaters

Provide better temperature control

ISO Pump Lube System

Prevents isocyanate crystallization on the pump seal and shaft

Quick Knockdown Lower Pumps

For easy disassembly and maintenance

Rugged, Portable Design

Easy maneuverability around the jobsite



Electric Motor

Provides superior efficiency and performance

Circulation Valves

Reduce isocyanate crystallization while offering more controlled pressure balancing

Hose Control

Reliable and accurate hose connection system. Flexible fluid temperature sensor allows you to monitor and control temperature closer to the gun.

Heat Platform

Circuit board is divided into easy-to-replace modules that simplify troubleshooting and maintenance, maximizing spray time



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

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

Digital Heat and Pressure Controls

Allow you to precisely program temperatures and pressures, and monitor machine performance

Circulation Valves

Reduce isocyanate crystallization while offering more controlled pressure balancing

Hose Control

Reliable and accurate hose connection system. Flexible fluid temperature sensor allows you to monitor and control temperature closer to the gun.

ISO Pump Lube System

Prevents isocyanate crystallization on the pump seal and shaft

Powerful Hybrid Heaters

Heat material quickly and maintain temperature set points – even when spraying at maximum flow rates

Horizontal Pumps

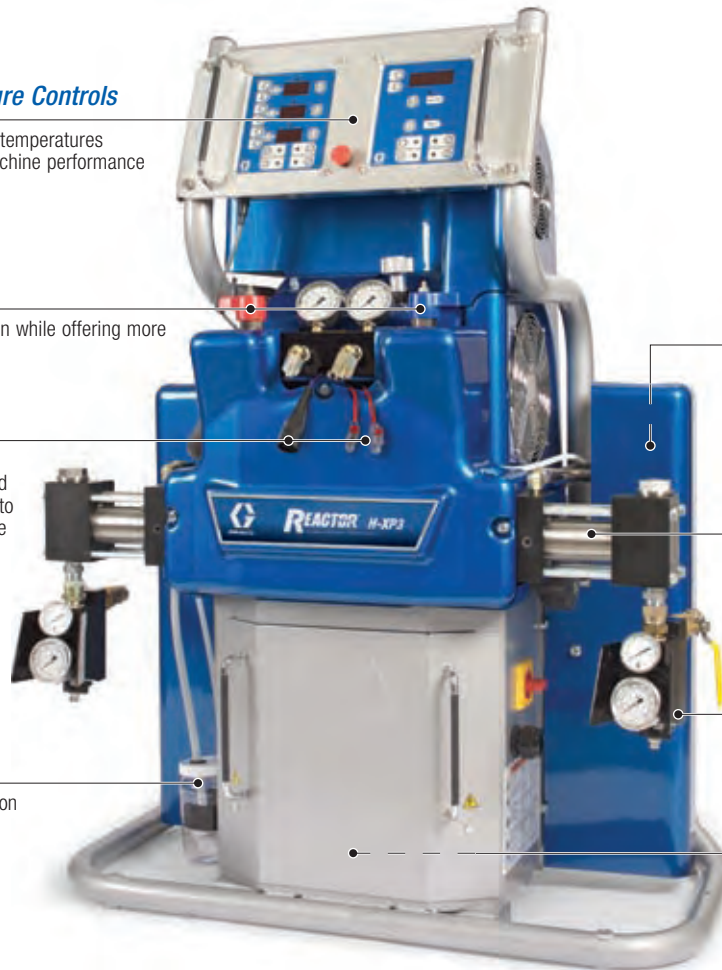
Positive displacement pumps are easy to service and provide smoother changeover for maintaining best spray pattern

Troubleshooting Y-Strainer

Analog temperature and pressure gauges are standard

Heat Platform

Circuit board is divided into easy-to-replace modules that simplify troubleshooting and maintenance, maximizing spray time



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

Air-Driven Proportioners

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

Air Motor Control

On/Off/Start pump controls – shuts the system down if it goes over pressure

Digital Temperature Control

Provides accurate temperatures for better material properties

Recirculation Manifold

A quick, easy way to balance system pressures

ISO Pump Lube System

Submerges the ISO pump in lubricant to extend pump life



Reactor A-20: Compact and cost-effective

Ideal for residential foam insulation projects, the Reactor A-20 is compact, portable and easy to move.

- Heats material quickly with 6,000 watts of heat
- Auto hose heat control – powers up to 310 feet of hose
- Automatic over-temperature shutdown
- Basic unit includes inlet strainers, ball valves, air filter/water separator and fluid temperature sensor for whip hose
- Easily adapts to different electrical supply voltages using supplied jumpers

Guardian A-Series: Economy without compromise

The Guardian A-Series is a high-performance dispensing system for polyurethane foam, adhesives, and elastomeric coatings. Its compact, portable design fits through standard doorways and is easy to maneuver on the jobsite.

Guardian A-5:

- 5-inch air motor
- Max fluid pressure: 1600 psi (110 bar, 11.0 MPa)
- Max output: 20 lb/min (9 kg/min)
- In-plant versions available

Guardian A-6:

- 6-inch air motor
- Max fluid pressure: 2200 psi (169 bar, 16.9 MPa)
- Max output: 2.0 gpm (7.6 lpm)
- In-plant versions available



Controller

Controls three independent heat zones – ISO, resin and hose heat

ISO Pump Lube System

Prevents isocyanate crystallization on the pump seal and pump shaft (available as an accessory)

Modular Heaters

6,000 or 12,000 watt

Portable Design

Compact, easy to move

Transfer Pumps and Agitator Kits

Engineered for more output, better performance and great value

T1 AND T2 TRANSFER PUMP FAMILY ▼

	Part Number	Ratio	Maximum output – continuous	Maximum output – intermittent	Maximum input air pressure	Maximum output fluid pressure	Maximum ambient temperature	Maximum fluid temperature	Weight	Dimensions	Manual Number
T1	256200	2:1	2.5 gpm (9.5 lpm)	4.0 gpm (15 lpm)	180 psi (12 bar, 1.2 MPa)	360 psi (25 bar, 2.5 MPa)	120°F (50°C)	190°F (88°C)	18 lb (8.4 kg)	51.5 in (130.8 cm) length; 2.6 in (66 mm) diameter (cap)	312766
T2	295616	2.25:1	5.0 gpm (19 lpm)	7.5 gpm (28 lpm)	180 psi (12 bar, 1.2 MPa)	405 psi (28 bar, 2.8 MPa)	120°F (50°C)	190°F (88°C)	21 lb (9.5 kg)	54 in (137 cm) length; 3.5 in (89 mm) diameter (cap)	311882

- The T2 design doubles the output – from 2.5 to 5.0 gpm – able to keep up with high-output proportioners
- The smaller T1 pump allows for lower 2:1 output, ideal for spraying applications
- Quick-disconnect feature allows easier drum removal and faster change-outs
- Improved fluid intake easily handles higher viscosity materials – even in cold conditions
- Reliable and cost-effective



Quick-release Bung Adapter

For easy drum removal without interference from hose connections

Corrosion-resistant Components

Stainless steel wetted parts

PTFE Seals

Improved performance for less maintenance



◀ TWISTORK HELIX MIXER

- Air-operated with a variable-speed, 1.5 HP motor, capable of 100 psi (7 bar, 0.7 MPa) maximum working pressure
- Available in carbon steel and stainless steel
- Built for long-life, corrosion-resistance and structural integrity
- Patented, helix-shaped mixing blades are threaded through a closed-head drum's standard bung opening
- Heavy-duty agitator features lube-free assembly, eliminating fluid contamination
- Gentle mixing reduces degradation and splashing, compared to propeller blades

Graco Proportioners for Foam and Coatings

Technical Specifications and Ordering Information



FOAM PROPORTIONERS

	Air-Driven (A Series)		Electric (E Series)			Hydraulic (H Series)
MODEL ▶	A-5	A-20	E-10	E-20	E-30	H-25
Maximum Working Pressure	1600 psi (110 bar, 11.0 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)	2000 psi (138 bar, 13.8 MPa)
Minimum Working Pressure	N/A	N/A	N/A	N/A	N/A	850 psi (59 bar, 5.9 MPa)
Maximum Hose Length	310 ft (94 m)	210 ft (64 m)	105 ft (32 m)	210 ft (64 m)	310 ft (94 m)	310 ft (94 m)
Maximum Fluid Temperature	180°F (82°C)	190°F (88°C)	160°F (71°C)	190°F (88°C)	190°F (88°C)	190°F (88°C)
Output	20 lb (9 kg)/min	20 lb (9 kg)/min	12 lb (5.4 kg)/min	20 lb (9 kg)/min	30 lb (13.6 kg)/min	22 lb (10 kg)/min
Air Consumption @ 100 psi	24 scfm	26 scfm (12 l/sec)	Unheated joint fill units: 2 cfm Unheated cold spray units: 16 cfm Heated units w/ Fusion gun: 2.5 cfm	N/A	N/A	N/A
Heater Wattage	6,000 watts 12,000 watts	6,000 watts	120V models: 1,700 watts 240V models: 2,000 watts	6,000 watts	10,200 watts 15,300 watts	8,000 watts 15,300 watts
Weight	248 lb (112 kg)	250 lb (114 kg)	Heated: 160 lb (72 kg) Unheated: 150 lb (68 kg)	342 lb (155 kg)	400 lb (181 kg)	8 kW: 535 lb (243 kg) 15 kW: 562 lb (255 kg)
Ordering Information	With 6.0 kW heater: 50A-220V, 1-ph GCA525 (Package) GC1750 (Bare) 20A-220V, 3-ph GCA535 (Package) GC1752 (Bare) 20A-380V, 3-ph GCA512 (Package) GC1753 (Bare) With 12 kW heater: 85A-220V, 1-ph GCA526 (Package) GC1775 (Bare) 35A-220V, 3-ph GCA536 (Package) GC1776 (Bare) 35A-380V, 3-ph GCA513 (Package) GC1777 (Bare)	With 6.0 kW heater: 40A-230V, 1-ph 253834 (Package) 253831 (Bare) 32A-230V, 3-ph 253834 (Package) 253831 (Bare) 18.5A-380V 3-ph (4-wire) 253834 (Package) 253831 (Bare)	With 1.7 kW heater: 120V, 2-cord 249800 (Package) 249570 (Bare) With 2.0 kW heater: 240V, 2-cord 249802 (Package) 249571 (Bare) 240V, 1-cord 249804 (Package) 249572 (Bare) Unheated ambient system: 120V 249806 (Package) 249576 (Bare) 240V 249808 (Package) 249577 (Bare)	With 6.0 kW heater: 48A-230V, 1-ph 259718 (Package) 259025 (Bare) 32A-230V, 3-ph 259720 (Package) 259034 (Bare) 24A-400V, 3-ph 259719 (Package) 259030 (Bare)	With 10.2 kW heater: 78A-230V, 1-ph 259721 (Package) 259026 (Bare) 50A-230V, 3-ph 259723 (Package) 259035 (Bare) 34A-400V, 3-ph 259722 (Package) 259031 (Bare) With 15.3 kW heater: 100A-230V, 1-ph 259733 (Package) 259057 (Bare) 62A-230V, 3-ph 259735 (Package) 259058 (Bare) 35A-400V, 3-ph 259734 (Package) 259059 (Bare)	With 8.0 kW heater: 69A-230V, 1-ph 255010 (Package) 255400 (Bare) 46A-230V, 3-ph 255011 (Package) 255401 (Bare) 35A-400V, 3-ph 255012 (Package) 255402 (Bare) With 15.3 kW heater: 100A-230V, 1-ph 255016 (Package) 255406 (Bare) 59A-230V, 3-ph 255017 (Package) 255407 (Bare) 35A-400V, 3-ph 255018 (Package) 255408 (Bare)
Operation manual	A5-6,000w = 313268 A5-12,000w = 313269	311511	311075	312065	312065	312062
Repair manual	None	311512	311075	312066	312066	312063



COATINGS PROPORTIONERS

		Air-Driven (A Series)	Electric (E Series)		Hydraulic (H Series)	
H-40	H-50	A-6	E-XP1	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	2200 psi (169 bar, 16.9 MPa)	2500 psi (172 bar, 17.2 MPa)	3500 psi (240 bar, 24.0 MPa)	3500 psi (240 bar, 24.0 MPa)	3500 psi (240 bar, 24.0 MPa)
600 psi (41 bar, 4.1 MPa)	600 psi (41 bar, 4.1 MPa)	N/A	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)	310 ft (94 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)	180°F (82°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	2.0 gpm (7.6 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)
N/A	N/A	33 scfm	N/A	N/A	N/A	N/A
12,000 watts 15,300 watts 20,400 watts	12,000 watts 15,300 watts 20,400 watts	6,000 watts 12,000 watts	10,200 watts	15,300 watts	15,300 watts	12,000 watts 20,400 watts
597 lb (271 kg)	597 lb (271 kg)	254 lb (115 kg)	342 lb (155 kg)	438 lb (199 kg)	562 lb (255 kg)	597 lb (271 kg)
With 12.0 kW heater: 100A-230V, 1-ph 255000 (Package) 253400 (Bare) With 15.3 kW heater: 71A-230V, 3-ph 255001 (Package) 253401 (Bare) 41A-400V, 3-ph 255002 (Package) 253402 (Bare) With 20.4 kW heater: 95A-230V, 3-ph 255007 (Package) 253407 (Bare) 52A-400V, 3-ph 255008 (Package) 253408 (Bare)	With 12.0 kW heater: 100A-230V, 1-ph 256393 (Package) 253725 (Bare) With 15.3 kW heater: 71A-230V, 3-ph 256394 (Package) 253726 (Bare) 41A-400V, 3-ph 256395 (Package) 253727 (Bare) With 20.4 kW heater: 95A-230V, 3-ph 256534 (Package) 256505 (Bare) 52A-400V, 3-ph 256535 (Package) 256506 (Bare)	With 6.0 kW heater: 50A-220V, 1-ph GCA625 (Package) GC1819 (Bare) 20A-220V, 3-ph GCA635 (Package) GC1821 (Bare) 20A-380V, 3-ph GCA612 (Package) GC1823 (Bare) With 12.0 kW heater: 85A-220V, 1-ph GCA626 (Package) GC1825 (Bare) 35A-220V, 3-ph GCA636 (Package) GC1827 (Bare) 35A-380V, 3-ph GCA613 (Package) GC1829 (Bare)	With 10.2 kW heater: 69A-230V, 1-ph 259706 (Package) 259024 (Bare) 43A-230V 3-ph 259708 (Package) 259033 (Bare) 24A-400V 3-ph 259707 (Package) 259029 (Bare)	With 15.3 kW heater: 100A-230V, 1-ph 259709 (Package) 259028 (Bare) 62A-230V, 3-ph 259711 (Package) 259036 (Bare) 35A-400V, 3-ph 259710 (Package) 259032 (Bare)	With 15.3 kW heater: 100A-230V, 1-ph 255013 (Package) 255403 (Bare) 59A-230V, 3-ph 255014 (Package) 255404 (Bare) 35A-400V, 3-ph 255015 (Package) 255405 (Bare)	With 12.0 kW heater: 100A-230V, 1-ph 255003 (Package) 253403 (Bare) With 20.4 kW heater: 95A-230V, 3-ph 255004 (Package) 253404 (Bare) 52A-400V, 3-ph 255005 (Package) 253405 (Bare)
312062	312062	A6 - 6000w = 313270 A6 - 12,000w = 313271	312065	312065	312062	312062
312063	312063	None	312066	312066	312063	312063

Packages include spray hose, whip hose and gun.

Liquid-Purge Guns

Unprecedented features that will change the way you spray

Fusion® CS with ClearShot™ Technology – A new class of spray gun

Graco's new Fusion CS plural-component spray gun with ClearShot (CS) Technology delivers improved productivity and performance throughout the spray day. The secret of the revolutionary ClearShot Technology is the ClearShot Liquid which is inserted into the gun's handle. Every time you pull the trigger, ClearShot Liquid is dispensed into the mix chamber and helps remove any built-up chemical – keeping it clean.

CLEARSHOT TECHNOLOGY

- ClearShot Liquid helps remove built-up material – virtually eliminating drilling of mix chamber
- Maximizes daily spraying uptime and annual productivity
- Maintains patterns and maximizes each kit with a clean mix chamber, saving time and money on material



Liquid-Purge

- Reduces purge air by 75%, minimizing material blowback
- Gain flexibility and maneuverability to spray in small, tight areas

Industry-First Quick-Change Front End

- Swap out fluid head in seconds
- Non-stick polymer cover for easy cleanup
- "Air knife" – reduces material buildup

Variable Flow Setting

- Switch from large to small spray patterns in seconds
- Ten different settings

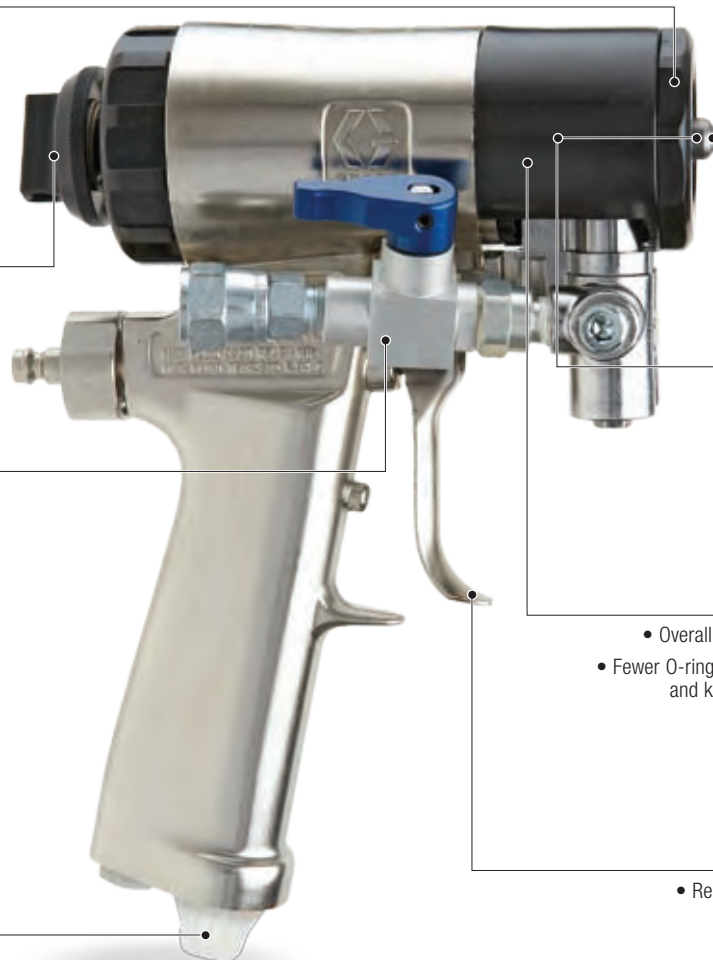
New Manifold

- Easy on/off valves
- Check valves block fluid flow when manifold is disconnected
- Quick filter screen change-outs



New ClearShot Cartridge

Keeps gun mix chamber clear



Chromex™-Coated Side Seals and Mix Chamber

- More resistance to corrosion and wear
- Save time and money in replacements over the long-term

Screw-in-Place Side Seals

- Overall maintenance is quicker and simpler
- Fewer O-rings ensure better crossover protection and keep appropriate mix and proportions of material for better end results

Faster/Shorter Trigger Pull

- Responsive trigger delivers quick shots
- Diminishes operator fatigue

Air-Purge Guns

Plural-component spraying made easy

Fusion AP – Easy to use, easy to maintain

- Air-blast tip cleaning reduces build-up and tip clogging
- Hardened stainless steel mix chambers are built to last
- Longer life side seals reduce maintenance and let you spray a wider range of materials – choose from hardened stainless steel or PolyCarballoy options
- Advanced mix module and tip design improves mixing
- Solvent-resistant components and O-rings let you soak the whole gun without swelling or damage
- Daily maintenance in a matter of seconds with the quick-shot grease port
- Easy-to-use design makes maintenance quick and easy

GAP PRO GUN

- For construction, bedliners, roofing and other plural-component spraying
- Hardened steel side seals and mix chamber for long-lasting performance
- No adjustments necessary
- Easy access screens reduce end-of-the-day maintenance time

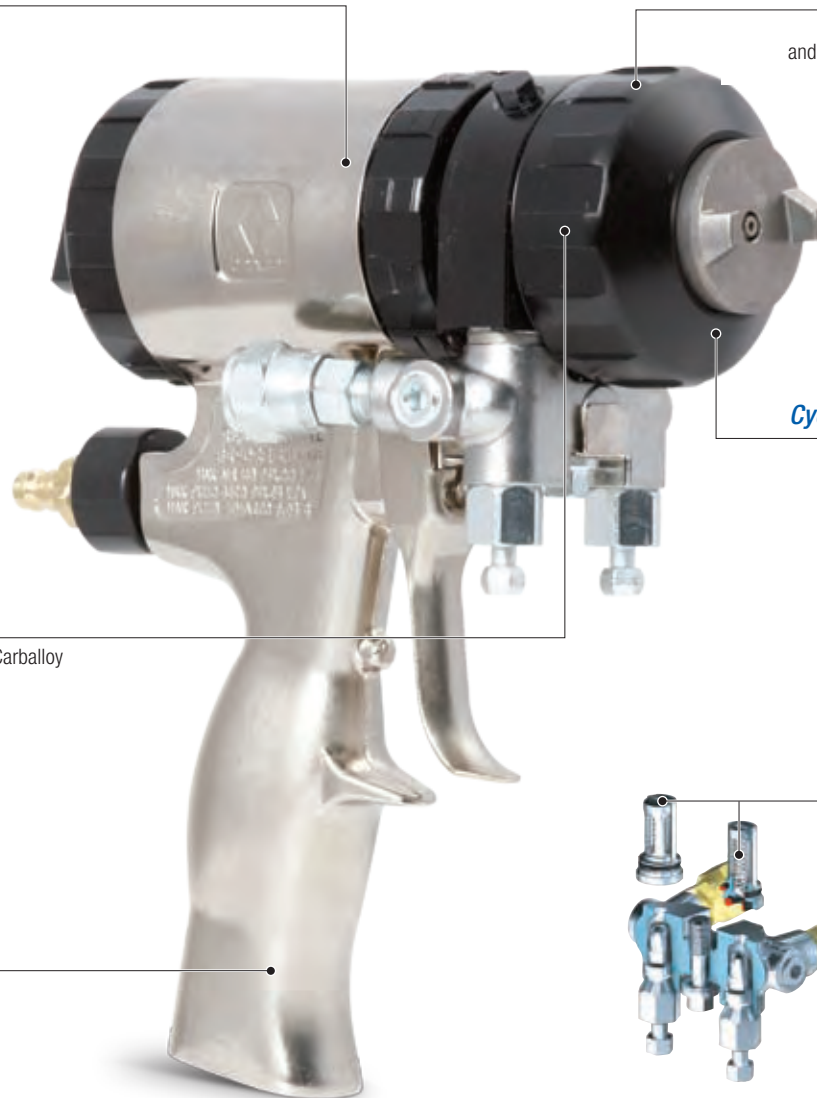


Quick-Release Fluid Housing

Easily change mix chambers without tools

Hand-Tightened Front Cap

Clean and maintain seals and mix chamber without tools



Cyclone-Mix™ Chamber

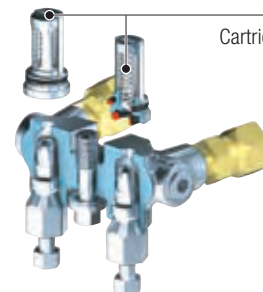
Hardened stainless steel construction for longer life

Durable Side Seals

Rugged stainless steel or PolyCarballoy construction for longer life

Check Valves with Screens

Cartridge design for easy maintenance



Ergonomic Handle

Smooth curved handle improves operator comfort and reduces fatigue

Air-Purge Guns

Plural-component spraying made easy

PROBLER® P2 – Compact and ergonomic

Recognized by the industry for its superior performance, the P2 gun's light, easy-to-handle design lets you spray and maneuver easily – even in difficult spraying positions. At the end of the day, maintenance is easy. No cleaning small air passages with tiny drill bits. The P2 has check valves that separate the liquid portion and dry side of the gun.

- Responsive trigger action – double piston design provides more than 300 pounds (136 kg) of triggering force
- The mix chamber insert can be replaced without replacing the entire chamber
- Anti-crossover design virtually eliminates possibility of material entering the air piston

P2 ELITE

- P2 model's side blocks offer alternate hose routing configurations
- Allows access to ISO and resin filters without removing side blocks
- Allows for use of additional accessories



Grease Fitting

For quick daily maintenance

Two-Piece Mix Chamber

Designed to reduce downtime

Powerful Dual Air Piston

- Provides strong trigger force
- Dramatically increases mix chamber pull-back pressure

Ergonomic Handle and Balanced Design

Comfortable, compact and lightweight



Mechanical-Purge Guns

Best material mix on the market

Fusion MP – Designed for superior mixing

- Handles from very low output, thin mil applications to large, high flow, high-output applications just by changing the mix module and tip
- Easy mechanical cleaning – mix modules and tips are cleaned with a drill bit
- Smoother finish and better atomization
- Offers more advanced features than all other mechanical-purge guns combined

LONG-LASTING MIX MODULES PROVIDE EXCELLENT MIXING

- Advanced mix module and tip design provides excellent mix and material properties
- PolyCarballoy mix modules for proven long life
- CeramTip™ is durable and easy to change
- Significantly reduces repair and maintenance costs

GX-7 GUN

- Excellent for polyurethane foams and elastomeric coatings
- Great mixing and pattern control with its unique internal impingement mixing design
- Designed to handle the toughest job-site conditions



Purge Rod

Easy-to-set, one piece rod for longer life

CeramTip

Durable and easy to change

Adjustable Front Packing

PolyCarballoy Mix Module

For proven long life

Ergonomic Handle

Smooth curved handle improves operator comfort and reduces fatigue

Check Valves with Screens

Cartridge design for easy maintenance



Graco Plural-Component Spray Guns

Technical Specifications



MODEL ▶	Liquid-Purge		Air-Purge	
	FUSION CS	FUSION AP	P2	GAP PRO
Materials sprayed	Foam and coatings	Foam and coatings	Foam and coatings	Foam and coatings
Maximum Output	25 lb/min (11.3 kg/min)	50 lb/min (22.7 kg/min)	40 lb/min (18 kg/min)	40 lb/min (18 kg/min)
Minimum Output	< 1 lb/min (<0.45 kg/min)	3 lb/min (1.4 kg/min)	3 lb/min (1.4 kg/min)	3 lb/min (1.4 kg/min)
Maximum Fluid Working Pressure	3500 psi (240 bar, 24.0 MPa)	3500 psi (240 bar, 24.0 MPa)	3200 psi (221 bar, 22.1 MPa)	3000 psi (207 bar, 20.7 MPa)
Maximum Working Air Inlet Pressure	130 psi (9 bar, 0.9 MPa)	130 psi (9 bar, 0.9 MPa)	110 psi (7.6 bar, 0.76 MPa)	125 psi (8.6 bar, 0.86 MPa)
Maximum Fluid Temperature	200°F (93°C)	200°F (93°C)	200°F (93°C)	200°F (93°C)
Weight (with manifold)	2.6 lb (1.2 kg)	3.1 lb (1.4 kg)	3.0 lb (1.4 kg)	2.7 lb (1.2 kg)
Air inlet size	1/4 npt quick disconnect nipple	1/4 npt quick disconnect nipple	1/4 npt	1/4 npt quick disconnect nipple
A Component (ISO) inlet size	-5 JIC; 1/2-20 UNF swivel	-5 JIC; 1/2-20 UNF swivel	-5 JIC; 1/2-20 UNF swivel	-5 JIC; 1/2-20 UNF swivel
B Component (Resin) inlet size	-6 JIC; 9/16-18 UNF swivel	-6 JIC; 9/16-18 UNF swivel	-6 JIC; 9/16-18 UNF swivel	-6 JIC; 9/16-18 UNF swivel
Wetted Parts	Aluminum, stainless steel, plated carbon steel, brass, chemically resistant O-rings	Aluminum, stainless steel, plated carbon steel, brass, chemically resistant O-rings	Aluminum, stainless steel, plated carbon steel, brass, carbide, fluorocarbon O-rings	Aluminum, stainless steel, plated carbon steel, brass, carbide, fluorocarbon O-rings
Gun Dimensions	6.5 x 8.1 x 3.6 in (16.5 x 20.6 x 9.1 cm)	7.5 x 8.1 x 3.3 in (19 x 20.6 x 8.4 cm)	6.9 x 8.7 x 3.5 in (17.5 x 22 x 8.9 cm)	7 x 7 x 4.4 in (17.8 x 17.8 x 11.2 cm)
Instruction manual	312666	309550	313213	311322
Applications	Residential foam insulation, roofing, other polyurethane foams and polyurea	Residential foam insulation, roofing, concrete, waterproofing and other polyurethane foams and elastomeric coatings	Residential foam insulation, roofing, concrete, waterproofing and other polyurethane foams and elastomeric coatings	Residential foam insulation, roofing, concrete, waterproofing and other polyurethane foams and elastomeric coatings





Mechanical-Purge					
FUSION MP	GX-7	GX-7 DI	GX-7-400	GX-8	D-GUN
Foam and coatings	Foam only	Coatings only	Coatings only	Coatings only	Foam only
50 lb/min (22.7 kg/min)	40 lb/min (18 kg/min)	22 lb/min (10.0 kg/min)	8 lb/min (3.6 kg/min)	1.5 lb/min (0.7 kg/min)	16 lb/min (7.2 kg/min)
2 lb/min (0.9 kg/min)	3.5 lb/min (1.6 kg/min)	4 lb/min (1.8 kg/min)	3.5 lb/min (1.6 kg/min)	< 1 lb/min (0.45 kg/min)	2 lb/min (1 kg/min)
3500 psi (240 bar, 24.0 MPa)	3500 psi (240 bar, 24.0 MPa)	3500 psi (240 bar, 24.0 MPa)	3500 psi (240 bar, 24.0 MPa)	3500 psi (240 bar, 24.0 MPa)	1000 psi (69 bar, 6.9 MPa)
130 psi (9 bar, 0.9 MPa)	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa)	110 psi (7.6 bar, 0.76 MPa)
200°F (93°C)	200°F (93°C)	200°F (93°C)	200°F (93°C)	200°F (93°C)	150°F (65°C)
3.4 lb (1.5 kg)	4.1 lb (1.9 kg)	4.1 lb (1.9 kg)	4.1 lb (1.9 kg)	3.1 lb (1.4 kg)	3.1 lb (1.4 kg)
1/4 npt quick disconnect nipple	1/4 npt quick disconnect nipple	1/4 npt quick disconnect nipple	1/4 npt quick disconnect nipple	1/4 npt quick disconnect nipple	1/8 npt quick disconnect nipple
-5 JIC; 1/2-20 UNF swivel	-5 JIC; 1/2-20 UNF swivel	-5 JIC; 1/2-20 UNF swivel	-5 JIC; 1/2-20 UNF swivel	-5 JIC; 1/2-20 UNF swivel	-5 JIC; 1/2-20 UNF swivel
-6 JIC; 9/16-18 UNF swivel	-6 JIC; 9/16-18 UNF swivel	-6 JIC; 9/16-18 UNF swivel	-6 JIC; 9/16-18 UNF swivel	-6 JIC; 9/16-18 UNF swivel	-6 JIC; 9/16-18 UNF swivel
Aluminum, stainless steel, plated carbon steel, brass, polycarbally, chemically resistant O-rings	Aluminum, stainless steel, brass, plated carbon steel, fluorocarbon O-rings	Aluminum, stainless steel, brass, plated carbon steel, fluorocarbon O-rings	Aluminum, stainless steel, brass, plated carbon steel, fluorocarbon O-rings	Aluminum, stainless steel, brass, plated carbon steel, fluorocarbon O-rings	Aluminum, stainless steel, plated carbon steel, brass
7.6 x 8.1 x 3.1 in (19.3 x 20.6 x 7.9 cm)	9 x 9.5 x 4.5 in (22.9 x 24.1 x 11.4 cm)	9 x 9.5 x 4.5 in (22.9 x 24.1 x 11.4 cm)	9 x 9.5 x 4.5 in (22.9 x 24.1 x 11.4 cm)	7 x 7.5 x 2.5 in (17.8 x 19 x 6.4 cm)	8 x 9 x 2.25 in (20.3 x 22.9 x 5.7 cm)
309856	311321	311321	311321	311338	311320
Residential foam insulation, roofing, concrete, waterproofing and other polyurethane foams and elastomeric coatings	Residential foam insulation, roofing, concrete and other polyurethane foams	Medium output fast-set polyurea, polyurethane and hybrid coatings	Low output fast-set polyurea, polyurethane and hybrid coatings	Very low output, fast-set polyurea, polyurethane and hybrid coatings	Low to medium output foam applications

Choosing the correct mix chambers, modules and tips

Choosing the right tips and mix chambers

1. Choose a Round or Flat pattern for your tip or mix chamber
(typically round for foam and flat for coatings)
2. Specify "A" and "B" size for your orifice or chamber
3. Specify the desired tip size for your application

LEGEND

Fusion CS:

- RD = Round Mix Chamber
- WD = Wide Mix Chamber
- FL = Flat Mix Chamber
- FT = Flat Tip

Fusion AP:

- AR = Air (purge) Round Mix Chamber
- AF = Air (purge) Flat Mix Chamber
- AW = Air Wide Round Mix Chamber
- FT = Flat Tip (air-purge)

Fusion MP:

- MR = Mechanical (purge) Round
- XR = Direct Impinge Round
- RTM = Round Tip Mechanical (purge)
- MF = Mechanical (Purge) Flat
- XF = Direct Impinge Flat
- FTM = Flat Tip Mechanical (purge)

CHAMBER/ORIFICE CONVERSION

Use this conversion chart to convert the Chamber size to the Orifice size.

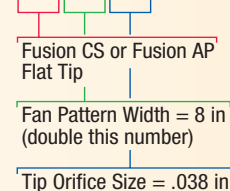
Chamber Size	Orifice Size
000	.020
00	.029
01	.042
02	.052
03	.060
04	.070
05	.086

Gun	Mix Chamber/Tip	Pattern at 24 in (61 cm) from target	Polyurea in GPM @ 2000 psi	Foam in lb/min @ 1000 psi
Fusion CS Round				
CS20RD	RD2020	5 in (127 mm)	0.5 gpm	3 lb/min
CS00RD	RD0000	8 in (203 mm)	1.1 gpm	7 lb/min
CS01RD	RD0101	11 in (279 mm)	1.6 gpm	9 lb/min
CS02RD	RD0202	12 in (305 mm)	2.4 gpm	14 lb/min
CS03RD	RD0303	14 in (356 mm)	NA	19 lb/min
Fusion CS Wide Round				
CS22WD	WD2222	8 in (203 mm)	0.5 gpm	4.5 lb/min
CS00WD	WD0000	15 in (381 mm)	1.1 gpm	7 lb/min
CS01WD	WD0101	16 in (406 mm)	1.6 gpm	9 lb/min
CS02WD	WD0202	18 in (457 mm)	2.4 gpm	14 lb/min
CS03WD	WD0303	18 in (457 mm)	NA	19 lb/min
Fusion CS Flat				
CS20F1	FL2020 w/FT0424	10 in (254 mm)	0.5 gpm	3 lb/min
CS20F2	FL2020 w/FT0438	10 in (254 mm)	0.6 gpm	3 lb/min
CS00F1	FL0000 w/FT0424	10 in (254 mm)	1.0 gpm	6 lb/min
CS00F2	FL0000 w/FT0438	10 in (254 mm)	1.2 gpm	7 lb/min
CS00F3	FL0000 w/FT0624	14 in (356 mm)	1.0 gpm	6 lb/min
CS00F4	FL0000 w/FT0638	14 in (356 mm)	1.2 gpm	7 lb/min
CS00F5	FL0000 w/FT0838	18 in (457 mm)	1.2 gpm	7 lb/min
CS00F6	FL0000 w/FT0848	18 in (457 mm)	1.2 gpm	7 lb/min
CS01F1	FL0101 w/FT0424	10 in (254 mm)	1.0 gpm	6 lb/min
CS01F2	FL0101 w/FT0438	10 in (254 mm)	1.3 gpm	9 lb/min
CS01F3	FL0101 w/FT0624	14 in (356 mm)	1.0 gpm	6 lb/min
CS01F4	FL0101 w/FT0638	14 in (356 mm)	1.3 gpm	9 lb/min
CS01F5	FL0101 w/FT0838	18 in (457 mm)	1.3 gpm	9 lb/min
CS01F6	FL0101 w/FT0848	18 in (457 mm)	1.3 gpm	9 lb/min
CS02F1	FL0202 w/FT0424	10 in (254 mm)	1.0 gpm	6 lb/min
CS02F2	FL0202 w/FT0438	10 in (254 mm)	1.3 gpm	9 lb/min
CS02F3	FL0202 w/FT0624	14 in (356 mm)	1.0 gpm	6 lb/min
CS02F4	FL0202 w/FT0638	14 in (356 mm)	1.3 gpm	9 lb/min
CS02F5	FL0202 w/FT0838	18 in (457 mm)	1.3 gpm	9 lb/min
CS02F6	FL0202 w/FT0848	18 in (457 mm)	1.8 gpm	12 lb/min
Fusion Air-Purge Round				
246099	AR2020	5 in (127 mm)	0.5 gpm	3 lb/min
246100	AR2929	8 in (203 mm)	1.1 gpm	7 lb/min
248617	AR3737	9 in (227 mm)	1.3 gpm	8 lb/min
246101	AR4242	11 in (279 mm)	1.6 gpm	9 lb/min
246102	AR5252	12 in (305 mm)	2.4 gpm	14 lb/min
246103	AR6060	14 in (356 mm)	NA	19 lb/min
246104	AR7070	15 in (381 mm)	NA	25 lb/min
246105	AR8686	18 in (457 mm)	NA	35 lb/min
Fusion Air-Purge Wide Round				
NA	AW2828	15 in (381 mm)	1.1 gpm	7 lb/min
NA	AW3333	15 in (381 mm)	1.3 gpm	8 lb/min
249529	AW3939	16 in (406 mm)	1.6 gpm	9 lb/min
249530	AW4646	18 in (457 mm)	2.4 gpm	14 lb/min
NA	AW5757	18 in (457 mm)	NA	19 lb/min
NA	AW6464	22 in (564 mm)	NA	25 lb/min
NA	AW8282	24 in (610 mm)	NA	35 lb/min

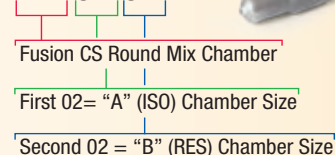
Gun	Mix Chamber/Tip	Pattern at 24 in (61 cm) from target	Polyurea in GPM @ 2000 psi	Foam in lb/min @ 1000 psi
Fusion Air-Purge Flat				
247101	AF2020 (FT0424)	10 in (254 mm)	0.6 gpm	3 lb/min
247112	AF2929 (FT0438)	10 in (254 mm)	1.2 gpm	7 lb/min
247124	AF4242 (FT0638)	14 in (356 mm)	1.3 gpm	9 lb/min
247138	AF5252 (FT0848)	18 in (457 mm)	1.8 gpm	12 lb/min
Fusion Mechanical-Purge Round				
247003	XR2323 (RTM030)	6 in (152 mm)	0.5 gpm	4 lb/min
247007	XR2929 (RTM040)	8 in (203 mm)	0.9 gpm	7 lb/min
247212 / 247012	MR3535 / XR3535 (RTM040)	8 in (203 mm)	1.2 gpm	8 lb/min
247219 / 247019	MR4747 / XR4747 (RTM055)	9 in (227 mm)	1.7 gpm	10 lb/min
247226 / 247026	MR5757 / XR5757 (RTM070)	10 in (254 mm)	2.7 gpm	15 lb/min
247232	MR6666 (RTM080)	11 in (279 mm)	NA	24 lb/min
247239	MR8282 (RTM090)	12 in (305 mm)	NA	30 lb/min
247246	MR9494 (RTM110)	12 in (305 mm)	NA	39 lb/min
Fusion Mechanical-Purge Flat				
247051	XF1313 (FTM424)	10 in (254 mm)	0.15 gpm	1.5 lb/min
247258 / 247058	MF1818 / XF1818 (FTM424)	10 in (254 mm)	0.3 gpm	2 lb/min
247061	XF 2323 (FTM424)	10 in (254 mm)	0.4 gpm	2.5 lb/min
247265 / 247065	MF2929 / XF2929 (FTM424)	10 in (254 mm)	0.6 gpm	3 lb/min
247275 / 247075	MF3535 / XF3535 (FTM638)	14 in (356 mm)	0.9 gpm	6 lb/min
247282 / 247082	MF4747 / XF4747 (FTM638)	14 in (356 mm)	1.1 gpm	7 lb/min
247289 / 247089	MF5757 / XF5757 (FTM638)	14 in (356 mm)	1.3 gpm	8 lb/min
P2 Gun				
GCP2RA	GC250A w/GC251A	5 in (127 mm)	0.4 gpm	3 lb/min
GCP2R0	GC2500 w/GC2510	9 in (229 mm)	1.1 gpm	8 lb/min
GCP2R1	GC2501 w/GC2511	10 in (254 mm)	1.6 gpm	12 lb/min
GCP2R2	GC2502 w/ GC2512	12 in (305 mm)	2.5 gpm	16 lb/min
GCP2R3	GC2503 w/ GC2513	14 in (356 mm)	NA	24 lb/min
GCP2R4	GC2504 w/ GC2514	15.5 in (394 mm)	NA	29 lb/min
GCP2R5	GC2505 w/ GC2515	18 in (457 mm)	NA	36 lb/min
P2 Elite Gun				
GCP3RA	GC250A w/GC251A	5 in (127 mm)	0.4 gpm	3 lb/min
GCP3R0	GC2500 w/GC2510	9 in (229 mm)	1.1 gpm	8 lb/min
GCP3R1	GC2501 w/GC2511	10 in (254 mm)	1.6 gpm	12 lb/min
GCP3R2	GC2502 w/ GC2512	12 in (305 mm)	2.5 gpm	16 lb/min
GCP3R3	GC2503 w/ GC2513	14 in (356 mm)	NA	24 lb/min
GCP3R4	GC2504 w/ GC2514	15.5 in (394 mm)	NA	29 lb/min
GCP3R5	GC2505 w/ GC2515	18 in (457 mm)	NA	36 lb/min
P2 Auto Gun				
GCP4RA	GC250A w/GC251A	5 in (127 mm)	0.4 gpm	3 lb/min
GCP4R0	GC2500 w/GC2510	9 in (229 mm)	1.1 gpm	8 lb/min
GCP4R1	GC2501 w/GC2511	10 in (254 mm)	1.6 gpm	12 lb/min
GCP4R2	GC2502 w/ GC2512	12 in (305 mm)	2.5 gpm	16 lb/min
GCP4R3	GC2503 w/ GC2513	14 in (356 mm)	NA	24 lb/min
GCP4R4	GC2504 w/ GC2514	15.5 in (394 mm)	NA	29 lb/min
GCP4R5	GC2505 w/ GC2515	18 in (457 mm)	NA	36 lb/min

PART NUMBER EXAMPLES

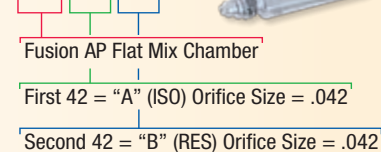
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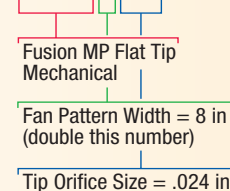
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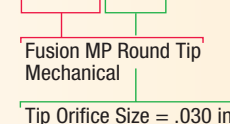
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MR 2929

