



HOSES, GUNS AND ACCESSORIES

For Reactor™ Spray Foam and Coatings Equipment



PROVEN QUALITY. LEADING TECHNOLOGY.

EVEN A SMALL PART CAN MAKE A CRITICAL DIFFERENCE

Don't risk your reputation with anything less

It's happened before: A critical piece of equipment meets an unfortunate end due to the failure of one, tiny component. That's why Graco doesn't build just any off-the-shelf part into its equipment. We select and manufacture high quality components our customers have come to rely on. Our equipment is superior because its parts are superior – in design, quality and performance.

Designed, tested and built for reliability

Great design is in the details. At Graco, our engineering team designs and specifies every part that's built into our machines, even down to the O-rings. We test and re-test our parts to make sure they provide you with outstanding performance, long life and durability. For example, our new Reactor 2 design went through more than 150 quality tests in our laboratory and sprayed more than 120,000 liter of material before it was approved for production. You can't afford your equipment to fail in the field. Neither can we.

Each quality part is dependent on another

Graco equipment is designed as a unified system, not as a collection of stand-alone parts. Every part is designed with a careful eye toward the parts it will interact with, and adjusted accordingly. We may machine a fastener in such a way that increases torque and causes it to clamp harder on its mating parts. We may select a specific compound for manufacturing O-rings because it provides better chemical resistance. When any of a system's parts is replaced with a lower quality, non-Graco part, the result may be a ripple effect that degrades not only its own functionality, but that of other parts throughout the system.

Protect your business with genuine Graco parts

When you need replacement parts, you could purchase cheaper alternatives. But why risk it? Off-the-shelf parts may hinder performance and possibly even damage your Graco equipment.

You invest in Graco equipment because it is superior quality. It's what your business depends on. So protect your investment and our future. Trust only genuine Graco parts.

O-RINGS ARE JUST ONE EXAMPLE OF GRACO'S QUALITY



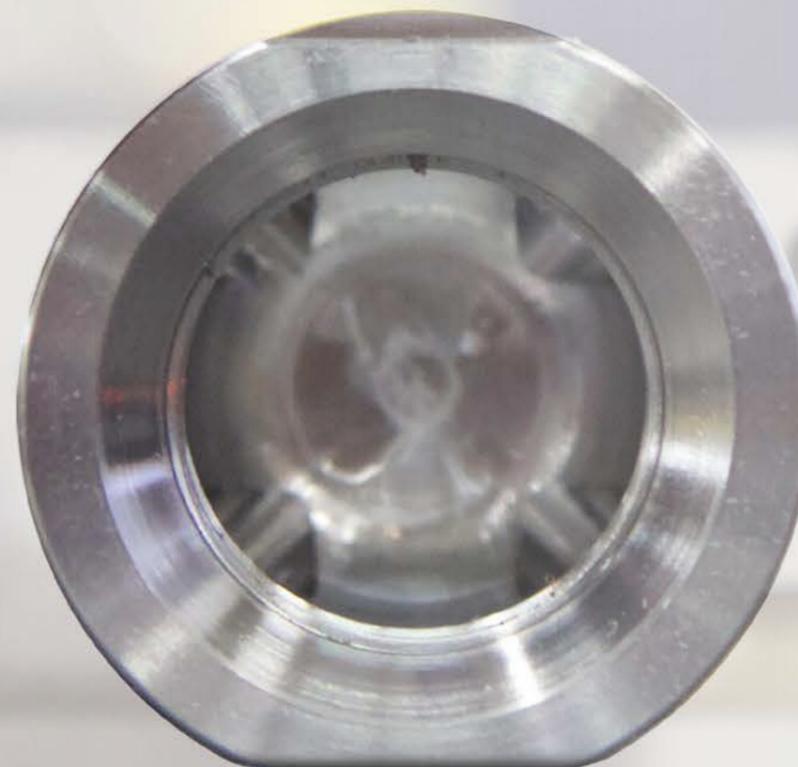
GRACO PART



NON-GRACO PART

After spending the same amount of time submersed in solvent, the Graco O-ring (left) still fits snugly, protecting the side seal, while the non-Graco O-ring (right) expanded in diameter and swelled in cross section.

Learn more at graco.com/parts



BUILD YOUR IDEAL REACTOR™ SYSTEM

Graco parts are engineered for performance

REACTOR™ RATIO ASSURANCE SYSTEM

Industry leading solutions



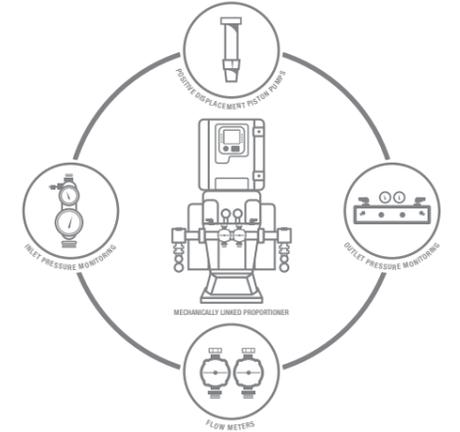
Once you have determined whether to go with an air-driven, electric or hydraulic Graco Reactor, it is equally important to choose components that will create the most effective system for your needs. This brochure contains the information you need to make those choices.

For information regarding Graco Reactors, please see the Graco Fast-Set Plural-Component Equipment brochure (300615).

Graco has engineered a multi-tiered system for ratio prevention and detection. The Reactor 2 Ratio Assurance System is designed to provide ratio detection so your job is being applied on-ratio and within tolerance. Since no single detection method is best to detect all possible issues it is important to have a robust multi-tiered detection system. The Graco system uses a combination of mechanically linked positive displacement piston pumps, pressure monitoring and flow meters to create a robust system that will provide unsurpassed results in maintaining on-ratio spraying.

Graco's Ratio Assurance System provides industry leading solutions

- Assurance that material was sprayed correctly
- Peace of mind to homeowners and builders
- Eliminate costly repairs and call-backs
- Quick detection of equipment issues and off-ratio material being sprayed
- Confidence for sprayers new to the industry
- Risk mitigation of missapplied material caused by off-ratio spraying



Build a complete system in just a few steps

1 Heated Hoses Pages 10-11

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.

2 Whip Hoses Pages 10-11

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.

3 Spray Guns Pages 12-13

Choose an air-purge, mechanical-purge or liquid purge gun with a round or flat pattern. Also choose the tip and mix chamber for your gun. The chart on pages 26 and 27 provides helpful information.

4 Supply Pumps Pages 28-29

Choose from diaphragm or piston pumps for standard materials in drum-mount or wall-mount. Select a 2:1 or 3:1 piston pump for materials with higher viscosities.

5 Agitator Kits Pages 28-29

Choose a kit to agitate your resin for consistent application. Graco's expanding blade agitators are very low shear to minimize material frothing.



■ BEST ■ BETTER ■ GOOD

Category Type	Single-Point Variables	Reactor Detection Method		
		Inlet Pressure Sensor *	Outlet Pressure Sensor	Flow Meters
Air in fluid stream	Run away feed pump/ Running out of chemicals	NA	■	■
	Trapped air in the feed line and/or proportioner	NA	■	■
Undersized feed pump	a mix chamber which is too large being used	■	■	■
	An excessively high proportioner pressure setting	■	■	■
	An excessively long trigger pull	■	■	■
Poor material feed to proportioner	Cold material(s)	■	■	■
	Feed pump pressure set too low	■	■	■
	Damaged feed pump (seals, check ball, air motor)	■	■	■
	No feed pump pressure	■	■	■
Proportioner pump issue	Plugging inlet filter	■	■	■
	Damaged proportioner pump foot valve ball/seat	■	■	■
	Damaged proportioner pump piston ball/seat	NA	■	■
	Damaged proportioner pump seal	NA	■	■
Fluid leaks	Leak between proportioner pump and flow meter	NA	■	■
	Leak in heated hose	NA	■	NA
Restriction after flow meter	Blockage in heated hose, build-up on ID of hose(s) **	NA	■	NA
	Clogged gun filter **	NA	■	NA
	Gun impingement port clogging **	NA	■	NA

Reactor Detection Method

Graco has identified the best method of detection for issues that may cause off-ratio foam to be sprayed. These issues are called single-point variables. Utilizing inlet and outlet pressure monitoring and flow meters, the Reactor 2 can monitor for these issues and shut the proportioner down if required. The operator can then make the necessary updates in order to eliminate the off-ratio condition. Reactor 2 elite models E-30, H-30, H-40, H-50, E-XP2, H-XP2 and H-XP3 now include factory installed flow meters.



View the complete White Paper at www.graco.com/RAWP

REACTOR™ RATIO ASSURANCE SYSTEM

Ratio Assurance Ordering Information

REACTOR™ CONNECT APP TECHNOLOGY

Take control of your business



Reactor 2 Low-Pressure Flow Meter Hardware Kits

For Reactor E-30 non-elite models (2018 and older)

25N749 Flow Meter Kit - includes flow meters, Y-strainers with inlet sensors, Motor Control Module (MCM), all cables and mounting hardware

For Reactor E-30 non-elite models (2019 and newer)

25N786 Flow Meter kit – includes flow meters, inlet sensors, all cables and mounting hardware

For Reactor E-30 elite models

25N913 Flow Meter kit – includes flow meters, Y-strainers with inlet sensors, all cables and mounting hardware

For Reactor E-30i (generation 2)

25N926 Flow Meter kit – includes flow meters, Y-strainers with inlet sensors, all cables and mounting hardware

For Reactor H-30, H-40 and H-50 non-elite models

25N786 Flow Meter kit – includes flow meters, inlet sensors, all cables and mounting hardware

For Reactor H-30, H-40 and H-50 elite models

25N748 Flow Meter kit – includes flow meters, all cables and mounting hardware



Reactor 2 High-Pressure Flow Meter Hardware Kits

For Reactor E-XP2 non-elite models (2018 and older)

25P384 Flow Meter kit – includes flow meters, Y-strainers with inlet sensors, Motor Control Module (MCM), all cables and mounting hardware

For Reactor E-XP2 non-elite models (2019 and newer)

25P385 Flow Meter kit – includes flow meters, inlet sensors, all cables and mounting hardware

For Reactor E-XP2 elite models

25P386 Flow Meter kit – includes flow meters, Y-strainers with inlet sensors, all cables and mounting hardware

For Reactor E-XP2 elite models (2019 and newer)

25P383 Flow Meter kit – includes flow meters, all cables and mounting hardware

For Reactor E-XP2i

25P387 Flow Meter kit – includes flow meters, Y-strainers with inlet sensors, all cables and mounting hardware

For Reactor H-XP2 and H-XP3 non-elite models

25P385 Flow Meter kit – includes flow meters, inlet sensors, all cables and mounting hardware

For Reactor H-XP2 and H-XP3 elite models

25P383 Flow Meter kit – includes flow meters, all cables and mounting hardware

Reactor Connect App Technology

The latest Reactor 2 models come with the Reactor Connect App hardware included. If your Reactor 2 model did not come with the Reactor Connect App hardware, consider adding an app kit to improve your productivity and revenue for your business.



REACTOR™ APP TECHNOLOGY

Take control of your business

REACTOR™ CONNECT APP REPORTS

Take control of your business



The Reactor Connect App features are designed for both Sprayers and Owner/Managers alike. For sprayers you can control your Reactor 2 with your phone allowing you to adjust the Reactor without having to go back to your rig. For owners/managers you can monitor your rigs and crew, troubleshoot an issue quickly, save your spray data, use reports to better understand your business and provide documentation to your customers that their job was done to manufacturers specs.

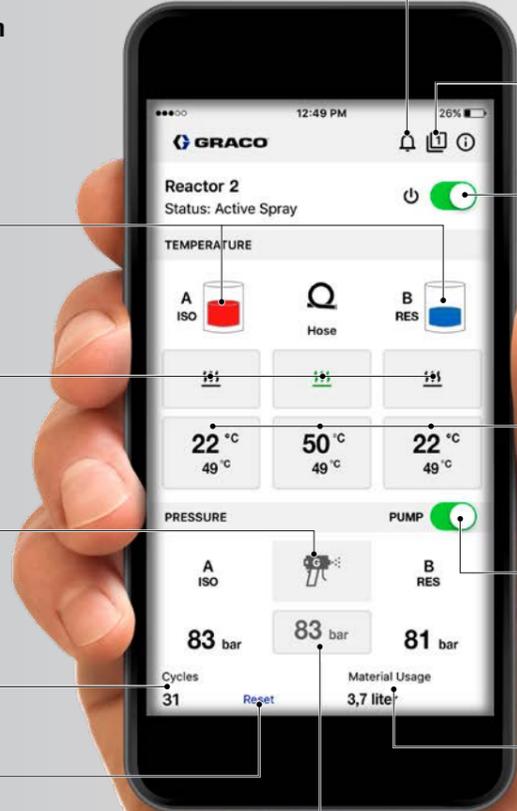
For more information visit:

www.graco.com/reactorapp

www.reactorconnect.graco.com



Reports
Daily Power On Time
Individual Reactor Screen
Actual Spray Time
Daily Material Usage
Reactor Status Lights
Multi-System Dashboard Screen



View Events
Switch Between Reactor 2 Systems
Turn System On/Off
View Drum Levels
Turn Heat Zones On/Off
Select between Spray/Park/Jog modes
View Cycle Count
Cycle Reset
Adjust Temperatures
Turn Pump On/Off
View Material Usage
Adjust Pressure
(Electric systems only)

Reactor Performance Reports

Generate custom reports by type, date range and Reactors. Reports can be viewed, saved and forwarded from your phone.

Reports available

- Ratio Summary Report
- Ratio Detail Report
- Ratio Graph

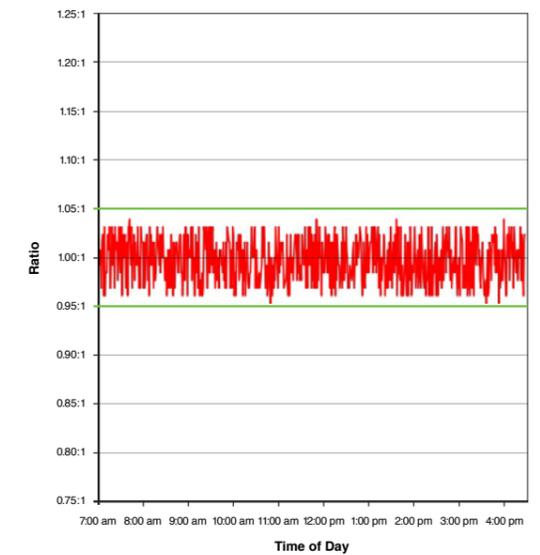
Job, Material Usage, Productivity and Machine Utilization Reports:

- Reactor Daily Report
- Reactor Summary Report
- Ratio Graph

Reactor Reports:

- Reactor Status Report
- Reactor Alarms Report
- Temperature and Pressure Graphs
- Reactor Data Report (Complete data download by the minute)

EX 3: Ratio Graph Report Sample



Report Examples

EX 1: Reactor Summary Report Sample

IMEI	Reactor Name	Cycle Count	Material Usage (gallons)	Power On Time (hours)	Actual Spray Time (hours)	Productivity (gallons/hour)	Machine Utilization	Days of Use
1111111111111111	Graco #1	3206	203.3	29.0	10.5	7.0	36%	5
2222222222222222	Graco #2	3664	100.1	11.6	4.6	8.6	40%	3
3333333333333333	Graco #3	2252	142.8	23.1	8.6	6.2	37%	4
4444444444444444	Graco #4	2395	177.2	31.7	7.8	5.6	25%	5
5555555555555555	Graco #5	1248	92.3	5.7	2.8	16.2	49%	2
Total	---	12765	715.6	101.1	34.3	7.1	34%	19

EX 2: Ratio Detail Report Sample

IMEI	Reactor Name	Start Date	End Date	Material Usage A+B (gallons)	Avg Ratio	Ratio Range	Ratio Alarm Count	Temp A Setpoint (°F)	Avg Temp A (°F)	Temp B Setpoint (°F)	Avg Temp B (°F)	Temp Hose Setpoint (°F)	Avg Temp Hose (°F)	Pressure Setpoint (psi)	Avg Pressure A and B (psi)
357520072734862	Graco app simulator	1/28/19	1/28/19	116	1.01:1	0.99 - 1.02:1	---	74 - 75	75	74 - 75	74	84 - 85	84	1,280 - 1,280	1,282
357520076059928	SPFA #1	1/28/19	1/28/19	74	1.00:1	0.95 - 1.04:1	---	130	130	130	130	130	130	1,200	1,199
357520076060785	SPFA #2	1/28/19	1/28/19	142	0.99:1	0.96 - 1.06:1	1	125 - 125	125	120 - 125	124	125 - 125	124	1,150	1,149

Reactor2 App Kit Ordering Information

- 25D612 Reactor 2 Retrofit Kit – Electric/Hydraulic Systems
- 25D614 Reactor 2 Retrofit Kit – Integrated Systems (E-30i, E-XP2i)
- 25D878 External Use Antenna

GRACO HEATED HOSES

Designed to achieve accurate, uniform heating

Why Graco heated hoses

Graco hoses are wrapped with a copper heating element at a precise pitch to achieve accurate, uniform heating. Because knock-off hoses may not heat in the same way, you risk over- or under-heating your hoses. Mixing and matching both Graco and knock-off hoses may be even more serious, you may have a very large difference in temperature between hoses – potentially putting your equipment at risk for damage and creating a possible safety issue for your workers.

Resistance Control Mode – The latest hose control technology (RCM)



Reactor 2 machines can now control hose temperature using resistance control mode. Resistance Control Mode (RCM) is a selection in the controls that allows the hoses to heat and control hose temperature without RTD cables

and without a Fluid Temperature Sensor (FTS). RCM is new software that uses the electrical resistance of the hose's heating element to monitor and control hose temperature. The benefits of using RCM is a more consistent chemical heating without hot and cold spots due to missing hose insulation or leaving your hose coiled on the hose rack. RCM also eliminates the most common hose heat issue: overheating due to an improperly insulated FTS (missing foam hose insulation at FTS location). RCM is only designed to work with genuine Graco heated hoses. Any Reactor 2 model can utilize resistance mode by updating the Reactor 2 software. (RCM is not available on integrated Reactor models).



Fluid Temperature Sensors – An important safeguard

Before the availability of resistance mode, the traditional way of maintaining consistent chemical temperature and spraying quality foam and coatings was using a fluid temperature sensor FTS. Graco heated hoses are designed to maintain chemical temperatures during spray operations. Graco always recommends placing the FTS as close to the whip hose as possible in order to monitor the material temperature nearest the dispense point. Graco offers FTS using two technologies – resistance temperature detectors (RTD) and thermocouples.



Resistance Temperature Detector (RTD)

Graco's Reactor 2 utilizes RTD technology. RTDs offer the highest accuracy and the best day-today repeatability of material temperatures in your hose. RTD technology allows the machine to automatically shut down if the sensor is damaged, which saves wasted time and materials.



Thermocouple – First generation technology

Graco's first generation Reactor models and Gusmer models utilize thermocouple technology. Thermocouples are a very accurate and reliable way to monitor and maintain temperature. Hoses built with thermocouples are not interchangeable with hoses built with RTDs.



Scuff Guard – Protect your investment

Xtreme-Wrap™ Scuff Guard provides extra protection and prolonged life for your hose. You may choose a hose that comes with Xtreme-Wrap or purchase the kit to retrofit any existing Graco hose.

ORDERING INFORMATION

Heated Hoses

HOSE SCUFF GUARD KITS

24T243	2.4 m (8 ft) Xtreme-Wrap Scuff Guard Kit
24T244	15.7 m (55 ft) Xtreme-Wrap Scuff Guard Kit
246077	2.1 m (7 ft) braided polyester mesh scuff guard
246805	7.6 m (25 ft) braided polyester mesh scuff guard
246078	15 m (50 ft) braided polyester mesh scuff guard
246456	15 m (50 ft) polyethylene scuff guard
25M493	KIT, X-WRAP, SLEEVE, 50ft-15m
25M494	KIT, X-WRAP, SLEEVE, WHIP 10ft-3m
25M495	KIT, X-WRAP, JOINT PROTECTOR

WHIP HOSES

246050	LP 1/4 in x 6.3 mm x 3 m (10 ft), Xtreme-Wrap Scuff Guard
26C042	LP 1/4 in x 6.3 mm x 6 m (20 ft), Xtreme-Wrap Scuff Guard
246055	HP 1/4 in x 6.3 mm x 3 m (10 ft), Xtreme-Wrap Scuff Guard
26C043	HP 1/4 in x 6.3 mm x 6 m (20 ft), Xtreme-Wrap Scuff Guard
246056	HP 3/8 in x 9.5 mm x 3 m (10 ft), scuff guard
249586	LP 1/4 in x 6.3 mm x 91 cm (3 ft), scuff guard
258701	XHP 1/4 in x 6.3 mm x 3 m (10 ft), scuff guard
25P770	LP 1/4 in x 6.3 mm x 3m (10 ft), Xtreme-Wrap Scuff Guard
25P771	LP 1/4 in x 6.3 mm x 6m (20 ft), Xtreme-Wrap Scuff Guard
25P772	HP 1/4 in x 6.3 mm x 3m (10 ft), Xtreme-Wrap Scuff Guard
25P773	HP 1/4 in x 6.3 mm x 6m (20 ft), Xtreme-Wrap Scuff Guard

LOW PRESSURE, 138 BAR

(2000 PSI, 13.8 MPA) 1/4 IN (6.3 MM) DIAMETER

246048	LP 1/4 in x 6.3 mm x 7.6 m (25 ft), Thermocouple
249587	LP 1/4 in x 6.3 mm x 7.6 m (25 ft), Ground Wire
246045	LP 1/4 in x 6.3 mm x 15 m (50 ft), Thermocouple
246074	LP 1/4 in x 6.3 mm x 15 m (50 ft), Ground Wire

LOW PRESSURE, 138 BAR

(2000 PSI, 13.8 MPA) 3/8 IN (9.5 MM) DIAMETER

246049	LP 3/8 in x 25 ft (9.5 mm x 7.6 m), Thermocouple
261328	LP 3/8 in x 25 ft (9.5 mm x 7.6 m), Ground Wire
246046	LP 3/8 in x 50 ft (9.5 mm x 15 m), Thermocouple
246075	LP 3/8 in x 50 ft (9.5 mm x 15 m), Ground Wire
256549	LP 3/8 in x 50 ft (9.5 mm x 15 m), Ground Wire with scuff guard
24Y549	LP 3/8 in x 50 ft (9.5 mm x 15 m), Ground Wire with Xtreme-Wrap Scuff Guard
246678	LP 3/8 in x 50 ft (9.5 mm x 15 m), Thermocouple with scuff guard
24Y678	LP 3/8 in x 50 ft (9.5 mm x 15 m), Thermocouple with Xtreme-Wrap Scuff Guard
24T839	LP 3/8 in x 50 ft (9.5 mm x 15 m), RTD
24K240	LP 3/8 in x 50 ft (9.5 mm x 15 m), RTD with scuff guard
24Y240	LP 3/8 in x 50 ft (9.5 mm x 15 m), RTD with Xtreme-Wrap Scuff Guard
24K394	LP 3/8 in x 50 ft (9.5 mm x 15 m), RTD and CAN with scuff guard
24Y394	LP 3/8 in x 50 ft (9.5 mm x 15 m), RTD and CAN with Xtreme-Wrap Scuff Guard

LOW PRESSURE, 138 BAR

(2000 PSI, 13.8 MPA) 1/2 IN (12.7 MM) DIAMETER

246047	LP 1/2 in x 50 ft (12.7 mm x 15m), Thermocouple
246076	LP 1/2 in x 50 ft (12.7 mm x 15m), Ground Wire
24N000	LP 1/2 in x 50 ft (12.7 mm x 15m), RTD with scuff guard
24N001	LP 1/2 in x 50 ft (12.7 mm x 15m), RTD and CAN with scuff guard

HIGH PRESSURE, 240 BAR

(3500 PSI, 24.0 MPA) 3/8 IN (9.5 MM) DIAMETER

246053	HP 3/8 in x 50 ft (9.5 mm x 15 m), Thermocouple
249588	HP 3/8 in x 50 ft (9.5 mm x 15 m), Ground Wire
246679	HP 3/8 in x 50 ft (9.5 mm x 15 m), Thermocouple with scuff guard
24Y679	HP 3/8 in x 50 ft (9.5 mm x 15 m), Thermocouple with Xtreme-Wrap Scuff Guard
24U743	HP 3/8 in x 50 ft (9.5 mm x 15 m), RTD
24K241	HP 3/8 in x 50 ft (9.5 mm x 15 m), RTD with scuff guard
24Y241	HP 3/8 in x 50 ft (9.5 mm x 15 m), RTD with Xtreme-Wrap Scuff Guard
24K395	HP 3/8 in x 50 ft (9.5 mm x 15 m), RTD and CAN with scuff guard
24Y395	HP 3/8 in x 50 ft (9.5 mm x 15 m), RTD and CAN with Xtreme-Wrap Scuff Guard

HIGH PRESSURE, 240 BAR (3500 PSI, 24.0 MPA)

1/2 IN (12.7 MM) DIAMETER

246054	HP 1/2 in x 50 ft (12.7 mm x 15m), Thermocouple
261335	HP 1/2 in x 50 ft (12.7 mm x 15m), Ground Wire
256548	HP 1/2 in x 50 ft (12.7 mm x 15m), Thermocouple with scuff guard
24N002	HP 1/2 in x 50 ft (12.7 mm x 15m), RTD with scuff guard
24N003	HP 1/2 in x 50 ft (12.7 mm x 15m), RTD and CAN with scuff guard

HOSE ACCESSORIES

24K207	FTS Kit with Resistance Temperature Detector (RTD)
24N450	50 ft (15 m) Resistance Temperature Detector Cable
261669	FTS Kit with Thermocouple
24J523	50 ft (15 m) Thermocouple Cable

GRACO SPRAY GUNS

Technical specifications

Contractors throughout the world prefer Graco spray guns for their outstanding durability and reliable performance. Graco offers three gun types for spray foam and polyurea applications: liquid-, air- and mechanical-purge.



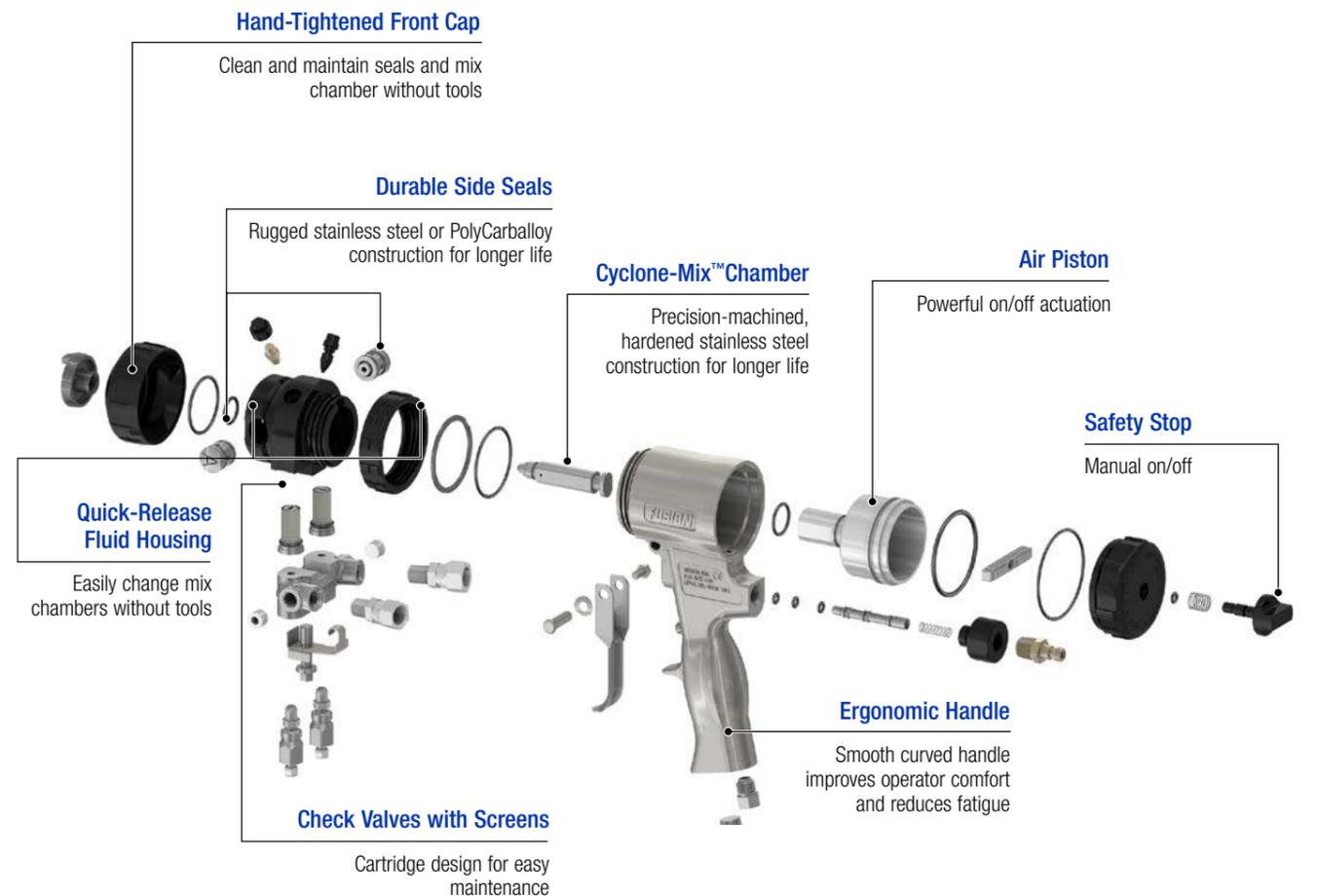
	Liquid-Purge	Air-Purge			Mechanical-Purge
Model ▶	FUSION™ CS	FUSION™ AP	FUSION™ PC	P2	FUSION™ MP
Materials sprayed	Foam and coatings	Foam and coatings	Foam and coatings	Foam and coatings	Foam and coatings
Maximum Output	11.3 kg/min (25 lb/min)	22.7 kg/min (50 lb/min)	18 kg/min (40 lb/min)	18 kg/min (40 lb/min)	22.7 kg/min (50 lb/min)
Minimum Output	<0.45 kg/min (< 1 lb/min)	1.4 kg/min (3 lb/min)	1.4 kg/min (3 lb/min)	1.4 kg/min (3 lb/min)	0.9 kg/min (2 lb/min)
Maximum Fluid Working Pressure	240 bar (3500 psi, 24.0 MPa)	240 bar (3500 psi, 24.0 MPa)	240 bar (3500 psi, 24.0 MPa)	240 bar (3500 psi, 24.0 MPa)	240 bar (3500 psi, 24.0 MPa)
Maximum Working Air Inlet Pressure	9 bar (130 psi, 0.9 MPa)	9 bar (130 psi, 0.9 MPa)	9 bar (130 psi, 0.9 MPa)	7.6 bar (110 psi, 0.76 MPa)	9 bar (130 psi, 0.9 MPa)
Maximum Fluid Temperature	94°C (200°F)	94°C (200°F)	94°C (200°F)	93°C (200°F)	94°C (200°F)
Weight (with manifold)	1.2 kg (2.6 lb)	1.1 kg (2.42 lb)	1.3 kg (2.86 lb)	1.2 kg (2.6 lb)	1.3 kg (2.86 lb)
Air inlet size	1/4 npt quick disconnect nipple	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	-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	-6 JIC; 9/16-18 UNF swivel
Wetted Parts	Aluminium, stainless steel, plated carbon steel, carbide, chemically resistant O-rings	Aluminium, stainless steel, plated carbon steel, carbide, chemically resistant O-rings	Aluminium, stainless steel, plated carbon steel, carbide, chemically resistant O-rings, anodized aluminium, nylon, non-chemically resistant O-rings	Aluminium, stainless steel, plated carbon steel, brass, carbide, fluorocarbon O-rings	Aluminium, stainless steel, plated carbon steel, brass, polycarbally, chemically resistant O-rings, UHMWPE, ceramic tip
Gun Dimensions	16.5 x 20.6 x 9.1 cm (6.5 x 8.1 x 3.6 in)	19 x 20.6 x 8.4 cm (7.5 x 8.1 x 3.3 in)	20.6 x 20.6 x 8.4 cm (8.1 x 8.1 x 3.3 in)	17.5 x 22 x 8.9 cm (6.9 x 8.7 x 3.5 in)	19.3 x 20.6 x 7.9 cm (7.6 x 8.1 x 3.1 in)
Instruction Manual	312666	309550	3A7314	313213	309856
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	Residential foam insulation, roofing, concrete, waterproofing and other polyurethane foams and elastomeric coatings

AIR-PURGE GUNS

Fusion™ Air-Purge (AP) Gun – Easy to use, easy to maintain

With convenient features and a smooth, ergonomic handle, the Fusion AP will give you days of spraying without fatigue.

- 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 – 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



ORDERING INFORMATION

Fusion AP Gun

FUSION AIR-PURGE GUNS, ROUND

246099	AR2020 (000) mix chamber (0.020 orifice size)
246100	AR2929 (00) mix chamber (0.029 orifice size)
246101	AR4242 (01) mix chamber (0.042 orifice size)
246102	AR5252 (02) mix chamber (0.052 orifice size)
246103	AR6060 (03) mix chamber (0.060 orifice size)
246104	AR7070 (04) mix chamber (0.070 orifice size)
246105	AR8686 (05) mix chamber (0.086 orifice size)
248617	AR3737 mix chamber, sized between AR2929 and AR4242
24D581	AW2828 (00) wide round pattern
249529	AW3939 (01) wide round pattern
249530	AW4646 (02) wide round pattern
248408	Adhesive/spatter gun for fleecback roofing systems AR7070
249525	Stud wall gun w/AF4242 and FTM979
249526	Stud wall gun w/AF5252 and FTM979

FUSION AIR-PURGE MIX CHAMBERS, ROUND (INCLUDES CLEAN-OUT TOOLS)

AR2020	(000) mix chamber (0.020 orifice size)
AR2929	(00) mix chamber (0.029 orifice size)
AR3737	Mix chamber with (0.037 orifice size)
AR4747	Mix chamber (.047 orifice size)
AR4242	(01) mix chamber (0.042 orifice size)
AR5252	(02) mix chamber (0.052 orifice size)
AR6060	(03) mix chamber (0.060 orifice size)
AR7070	(04) mix chamber (0.070 orifice size)
AR8686	(05) mix chamber (0.086 orifice size)
AR2232	MIX CHAMBER KIT ROUND PATTERN 2232
AR2942	MIX CHAMBER KIT ROUND PATTERN 2942
AR3729	MIX CHAMBER KIT ROUND PATTERN 3729

FUSION AIR-PURGE MIX CHAMBERS, WIDE ROUND (INCLUDES CLEAN-OUT TOOLS)

AW2222	50% wider pattern, compares to AR2020
AW2828	50% wider pattern, compares to AR2929
AW3333	50% wider pattern, compares to AR3737
AW3939	50% wider pattern, compares to AR4242
AW4646	50% wider pattern, compares to AR5252
AW5757	50% wider pattern, compares to AR6060
AW6464	50% wider pattern, compares to AR7070
AW8282	50% wider pattern, compares to AR8686

FUSION AIR-PURGE MIX CHAMBERS, CHROME-X (INCLUDES CLEAN-OUT TOOLS)

AR20CX	(000) mix chamber (.020 orifice size)
AR29CX	(00) mix chamber (.029 orifice size)
AR37CX	Mix chamber (.037 orifice size)
AR42CX	(01) mix chamber (.042 orifice size)
AR47CX	Mix chamber (.047 orifice size)
AR52CX	(02) mix chamber (.052 orifice size)
AR60CX	(03) mix chamber (.060 orifice size)
AR70CX	(04) mix chamber (.070 orifice size)
AR86CX	(05) mix chamber (.086 orifice size)

SIDE SEALS

25N571	Kit, A cartridge - Chrome-x
25N572	Kit, B cartridge - Chrome-x
25N573	Kit, side seal, Qty 2 - Chrome-x
246348	Side seal kit, incl (2) side seals with O-rings
249990	PolyCarballoy side seals, pack of 2
277298	PolyCarballoy side seals, pack of 50
246349	A (ISO) cartridge assembly, SST, seal and O-rings
246350	B (Poly) cartridge assembly, SST, seal and O-rings

FUSION AIR-PURGE GUN, FLAT

247101	AF2020 mix chamber with FT0424 flat tip
247102	AF2020 mix chamber with FT0438 flat tip
247103	AF2020 mix chamber with FT0624 flat tip
247104	AF2020 mix chamber with FT0638 flat tip
247107	AF2020 mix chamber with FT0838 flat tip
247108	AF2020 mix chamber with FT0848 flat tip
247111	AF2929 mix chamber with FT0424 flat tip
247112	AF2929 mix chamber with FT0438 flat tip
247113	AF2929 mix chamber with FT0624 flat tip
247114	AF2929 mix chamber with FT0638 flat tip
247117	AF2929 mix chamber with FT0838 flat tip
247118	AF2929 mix chamber with FT0848 flat tip
247121	AF4242 mix chamber with FT0424 flat tip
247122	AF4242 mix chamber with FT0438 flat tip
247123	AF4242 mix chamber with FT0624 flat tip
247124	AF4242 mix chamber with FT0638 flat tip
247127	AF4242 mix chamber with FT0838 flat tip
247128	AF4242 mix chamber with FT0848 flat tip
247131	AF5252 mix chamber with FT0424 flat tip
247132	AF5252 mix chamber with FT0438 flat tip
247133	AF5252 mix chamber with FT0624 flat tip
247134	AF5252 mix chamber with FT0638 flat tip
247137	AF5252 mix chamber with FT0838 flat tip
247138	AF5252 mix chamber with FT0848 flat tip

FUSION AIR-PURGE MIX CHAMBERS, FLAT (INCLUDES CLEAN-OUT TOOL AND O-RING)

AF2020	(000) mix chamber AF2033 Off-ratio mix chamber
AF2929	(00) mix chamber AF2942 Off-ratio mix chamber
AF4242	(01) mix chamber
AF5252	(02) mix chamber

FUSION AIR-PURGE TIPS, FLAT

FT0424	Low fluid flow, 8 to 10 in tip pattern
FT0438	Medium fluid flow, 8 to 10 in pattern
FT0624	Low fluid flow, 12 to 14 in tip pattern
FT0638	Medium fluid flow, 12 to 14 in tip pattern
FT0838	Medium fluid flow, 16 to 18 in pattern
FT0848	High fluid flow, 16 to 18 in pattern

FUSION AIR-PURGE WITH POLYCARBALLOY OPTIONS

255201	AP Fusion w/ PolyCarballoy side seal - AR4242(01) mix chamber
255202	AP Fusion w/ PolyCarballoy side seal - AR5252(02) mix chamber

FUSION SPECIALTY GUNS

248408	Fusion AP spatter/adhesive manual gun (AR7070)
248597	Manual Fusion solvent-purge gun

AUTOMATIC FUSION

(All Auto Fusion kits require 4-way solenoid valves)

115807	4-way solenoid valve, 24 volt DC
248376	Automatic Fusion AP, round, AR2929 (00)
248377	Automatic Fusion AP, round, AR4242 (01)
248378	Automatic Fusion AP, round, AR5252 (02)
248379	Automatic Fusion AP, round, AR6060 (03)
248380	Automatic Fusion AP, flat, AF2020, FT0424 (flat tip)
248381	Automatic Fusion AP, flat, AF2929, FT0438 (flat tip)
248382	Automatic Fusion MP, round, direct impingement, XR2929, RTM040 (ceramic tip)
248383	Automatic Fusion MP, round, direct impingement, XR3535, RTM040 (ceramic tip)
248384	Automatic Fusion MP, flat, direct impingement, XF1313, FTM317 (ceramic tip)
248385	Automatic Fusion MP, flat, direct impingement, XF1818, FTM424 (ceramic tip)
248386	Automatic Fusion MP, round, MR3535, RTM040 (ceramic tip)
248387	Automatic Fusion MP, round, MR5757, RTM070 (ceramic tip)
248647	Auto Fusion - Solvent-Purge

FUSION AIR-PURGE EXTENSION TIP KITS

248010	Extension tip kit for AR2020/AF2929 mix chamber
248011	Extension tip kit for AR2929/AF2929 mix chamber
248012	Extension tip kit for AR4242/AF4242 mix chamber
248013	Extension tip kit for AR5252/AF5252 mix chamber
248014	Extension tip kit for AR2020/AF2929 mix chamber
248015	Extension tip kit for AR2929/AF2929 mix chamber
248016	Extension tip kit for AR4242/AF4242 mix chamber
248017	Extension tip kit for AR5252/AF5252 mix chamber
248020	Extension tip air cap kit
248018	Flat extension tip seal kit
248019	Round extension tip seal kit
249421	Fusion stud wall kit
24C358	Fusion TP 100 tip kit

FUSION AIR-PURGE REPLACEMENT PARTS KIT

24W849	Fusion AP Parts Kit, complete with refillable case
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FUSION AP GUN PARTS AND ACCESSORIES

15B772	1/8 in (3.18 mm) air hose, 18 in (.46 m) long, use to attach gun to whip hose
15D234	Flat tip cleanout tool
15B210	Air cap, round pattern, for Fusion Air-Purge Gun
15B801	Air cap, flat pattern, for Fusion Air-Purge Gun
15B565	Ball valve
15B817	Gun flush manifold block
15D546	Fusion gun cleaning kit
117509	1/4 npt male quick disconnect, air
117510	1/4 npt female quick disconnect, air
117661	Pin vise, double-ended pin vise, with reversible chucks
117773	Fusion grease, 3 oz cartridge (248280 – pack of 10)
117792	Fusion grease gun
118665	Fusion lube, 4 oz tube (248279 – pack of 10)
119386	Drill bit kit, 20 piece, #61 - #81
244914	Air-Purge gun cover kit, pack of 10
246012	Fluid manifold assembly
246347	Side seal O-ring kit, includes (6) O-rings for both cartridges
246351	Check valve seal repair kit
246352	Check valve assembly, B (Poly)
246354	O-ring, clean off air, pack of 6 (25M239 - package of 50)
246355	Gun seal repair kit, includes all necessary O-rings for the entire gun assembly
246356	Fluid manifold valve repair kit
246357	Gun filter, 40 mesh, pack of 10
246358	Gun filter, 60 mesh, pack of 10
246359	Gun filter, 80 mesh, pack of 10
246360	Flat tip sealing O-ring kit, pack of 3 (25M248 - package of 25)
246361	Quick change front half spray head kit, includes entire spray head assembly less mix chamber. Order mix chamber seperately.
246731	Check valve assembly, A (ISO)
246944	Manifold conversion kit; converts Fusion manifold to fit a GX-7 gun. Fusion manifold 246012 not included.
246945	Manifold conversion kit; converts GX-7 manifold to fit a Fusion gun
248128	Kit, side seal o-ring, package of 6 (298790 - package of 50)
248129	Check valve O-ring, radial, pack of 6 (25M247 - package of 50)
248130	Side seal housing O-ring kit, pack of 6 (25M242 - package of 50)
248131	O-ring, fluid housing, package of 6 (25M243 - package of 50)
248132	O-ring, fluid housing, pack of 6
248133	Check valve O-ring, face, pack of 6
248135	O-ring, air piston, package of 6 (25M245 - package of 25)
248137	O-ring, retaining ring, package of 6 (25M244 - package of 50)
248139	Solvent flush kit, .95 l (1 qt) pressurized container for solvent flushing gun before service
248229	20 liter (5 gal) Fusion Gun flush system
248279	Fusion lube for lubricating threads, O-rings, components, pack of 10
248280	Fusion grease, pack of 10
248414	Adhesive/spatter kit, converts Fusion Air-Purge to adhesive/spatter gun
248415	Tip for adhesive/spatter gun
248528	Fusion Air-Purge pour adapter kit
25D632	Variable Flow cap

AIR-PURGE GUNS

Minimize downtime and get your job done faster

ORDERING INFORMATION

Fusion PC Gun

Fusion ProConnect (PC) Gun – A perfect rebuild within seconds

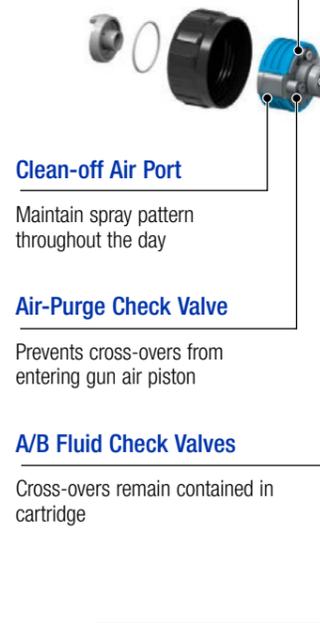
The old days of spending time and effort cleaning the fluid section of a spray gun are over! The new Fusion® PC™ gun offers faster rebuild by simply replacing a cartridge, which keeps you spraying and minimizes costly downtime.

- Reduced parts - o-rings, side seals and fluid section all in one cartridge
- Simply replace the cartridge – it's like a factory quality reset
- Minimize downtime and get your job done faster
- Easy air-blast tip cleaning reduces build-up and tip clogging
- Hand-tightened front cap means no tools needed to clean and maintain mix chamber and cartridge
- The single cartridge makes it possible to do a factory rebuild on the job site



ProConnect™ Replacement Cartridge

- Fully assembled and factory tested
- Contains side seals and all related o-rings in one simple part



Clean-off Air Port

Maintain spray pattern throughout the day

Air-Purge Check Valve

Prevents cross-overs from entering gun air piston

A/B Fluid Check Valves

Cross-overs remain contained in cartridge

Fluid Housing with ProConnect Technology

Replace fluid cartridge in seconds

Fusion AP Spray Technology

Excellent spray performance in an easy to use, easy to clean gun

Simple Safety Stop

Manually position on/off mode

Stainless Steel Hose Manifold

Uses same long lasting Fusion AP/MP fluid manifold

Ergonomic Handle

Comfortably spray all day long with Fusion's ergonomically designed handle

FUSION PC GUNS

(INCLUDES 3 REPLACEMENT CARTRIDGES)

25P587	Fusion PC Gun, Round 2929 (00) Mix Chamber PC29RD
25R084	Fusion PC Gun, Round 3737 (00-01) Mix Chamber PC37RD
25P588	Fusion PC Gun, Round 4242 (01) Mix Chamber PC42RD
25P590	Fusion PC Gun, Round 4747 (01-02) Mix Chamber PC47RD
25P589	Fusion PC Gun, Round 5252 (02) Mix Chamber PC52RD
25R085	Fusion PC Gun, Round 6060 (03) Mix Chamber PC60RD
25R086	Fusion PC Gun, Flat 2929 (00) Mix Chamber PC29FL
25P591	Fusion PC Gun, bare (no Mix Chamber), round air cap
25T452	Fusion PC Gun, bare (no Mix Chamber), flat air cap
26B230	Fusion PC Gun, flat 00 Mix Chamber, FT0624 tip
25T481	Fusion PC Gun, wide 2222, 4 hose manifold

FUSION PC RETROFIT KITS

(INCLUDES 3 REPLACEMENT CARTRIDGES)

25P700	Fusion PC Retrofit, Round 2929 (00) Mix Chamber PC29RD
25R087	Fusion PC Retrofit, Round 3737 (00-01) Mix Chamber PC37RD
25P701	Fusion PC Retrofit, Round 4242 (01) Mix Chamber PC42RD
25P703	Fusion PC Retrofit, Round 4747 (01-02) Mix Chamber PC47RD
25P702	Fusion PC Retrofit, Round 5252 (02) Mix Chamber PC52RD
25R088	Fusion PC Retrofit, Round 6060 (03) Mix Chamber PC60RD
25R089	Fusion PC Retrofit, Flat 2929 (00) Mix Chamber PC29FL
25P704	Fusion PC Retrofit, Bare (No Mix chamber)
25P704	Fusion PC Retrofit, Bare (No Mix Chamber), Round Air Cap
25T451	Fusion PC Retrofit, Bare (No Mix Chamber), Flat Air Cap
26B228	Fusion PC Retrofit, Flat 00 Mix Chamber, FT0624 Tip

REPLACEMENT CARTRIDGES

19Y300	Fusion PC Replacement Cartridge, 1 Pack
19Y301	Fusion PC Replacement Cartridge, 3 Pack
19Y308	Fusion PC Replacement Cartridge, 5 Pack

FUSION PC MIX CHAMBERS, ROUND

(INCLUDES CLEAN-OUT TOOLS)

PC20RD	Fusion PC Mix Chamber, Round 000
PC29RD	Fusion PC Mix Chamber, Round 00
PC37RD	Fusion PC Mix Chamber, Round 00-01
PC42RD	Fusion PC Mix Chamber, Round 01
PC47RD	Fusion PC Mix Chamber, Round 01-02
PC52RD	Fusion PC Mix Chamber, Round 02
PC60RD	Fusion PC Mix Chamber, Round 03
PC70RD	Fusion PC Mix Chamber, Round 04

FUSION PC MIX CHAMBERS, FLAT

(INCLUDES CLEAN-OUT TOOLS)

PC20FL	Fusion PC Mix Chamber, Flat 000
PC29FL	Fusion PC Mix Chamber, Flat 00
PC42FL	Fusion PC Mix Chamber, Flat 01
PC52FL	Fusion PC Mix Chamber, Flat 02

FUSION PC MIX CHAMBERS, WIDE

(INCLUDES CLEAN-OUT TOOLS)

PC22WD	Fusion PC Mix Chamber, Wide 2222
PC28WD	Fusion PC Mix Chamber, Wide 2828
PC33WD	Fusion PC Mix Chamber, Wide 3333
PC39WD	Fusion PC Mix Chamber, Wide 3939
PC46WD	Fusion PC Mix Chamber, Wide 4646

FUSION PC SPARE PARTS & ACCESSORIES

26C775	Fusion PC Middle Ring Kit
19Y302	Fusion PC Front Retaining Ring Kit
19Y303	Fusion PC Fluid Head Kit
25P850	Fusion PC Cartridge Air O-Ring Kit
25P851	Fusion PC Cartridge Fluid O-Ring Kit
26C937	Fusion PC Jack Screw Holder Kit
25P660	Fusion PC Cartridge Troubleshooting Tools Kit
18C115	Complete Gun O-ring Kit

AIR-PURGE GUNS

Plural-component spraying made easy

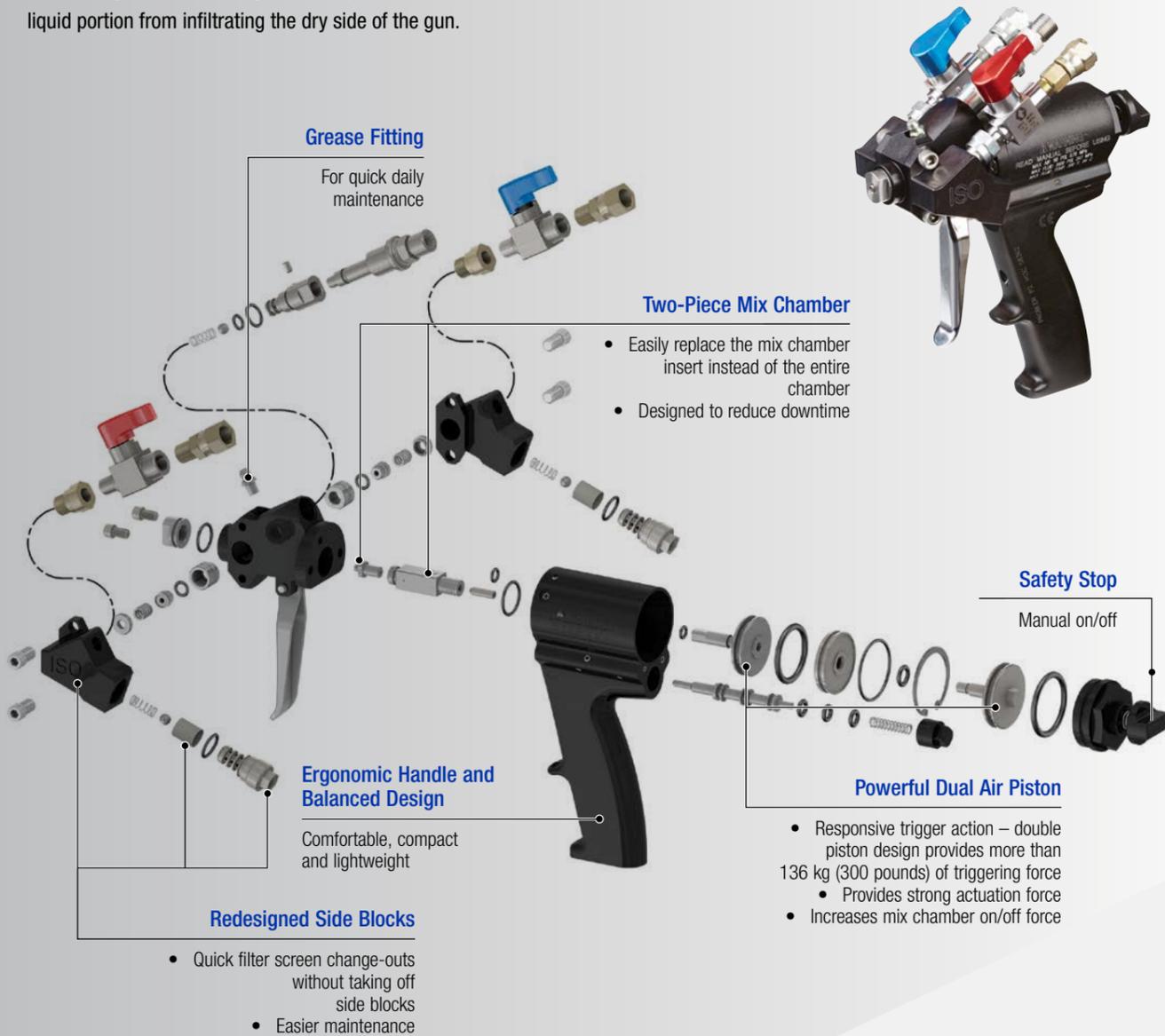
ORDERING INFORMATION

Probler P2 Guns

Probler (P2) Gun – Compact and Ergonomic

Recognized by the industry for its superior performance, the P2 gun's light, comfortable design lets you spray and manoeuvre 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 prevent the liquid portion from infiltrating the dry side of the gun.



P2 Elite Gun

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

P2 GUNS

GCP2R0	Probler 2 Gun Assembly
GCP2R1	Probler 2 Gun Assembly
GCP2R2	Probler 2 Gun Assembly
GCP2R3	Probler 2 Gun Assembly
GCP2R4	Probler 2 Gun Assembly
GCP2R5	Probler 2 Gun Assembly
GCP2RA	Probler 2 Gun Assembly

P2 ELITE GUNS

GCP3R0	Probler P2 Elite Gun Assembly
GCP3R1	Probler P2 Elite Gun Assembly
GCP3R2	Probler P2 Elite Gun Assembly
GCP3R3	Probler P2 Elite Gun Assembly
GCP3R4	Probler P2 Elite Gun Assembly
GCP3R5	Probler P2 Elite Gun Assembly
GCP3RA	Probler P2 Elite Gun Assembly
24W127	Probler P2 Elite Gun w. Chopper Gun complete

P2 AUTO GUNS

GCP4R0	Probler 2 Automatic Gun
GCP4R1	Probler 2 Automatic Gun
GCP4R2	Probler 2 Automatic Gun
GCP4R3	Probler 2 Automatic Gun
GCP4R4	Probler 2 Automatic Gun
GCP4R5	Probler 2 Automatic Gun
GCP4RA	Probler 2 Automatic Gun

PROBLER P2 GUN PARTS AND ACCESSORIES

GC1703	P2 recirculation kit
GC1892	P2 Elite conversion kit
GC1937	P2 standard repair kit
GC1938	P2 flat spray kit
GC1946	Side seal kit
GC1947	P2 00-03 gun hardware kit
GC1948	P2 AA gun hardware kit
GC1949	P2 04-05 gun hardware kit
24E512	Chopper cutter assembly

PROBLER P2 GUN PARTS AND ACCESSORIES - CONTINUED

GC1950	Premium repair kit
GC1952	P2 0.059 jet nozzle
GC1953	P2 0.07 jet nozzle
GC1954	P2 pour cap
GC1955	P2 LP/HP static mixer adapter
GC1956	P2 static mixer assembly (non-nucleated)
GC1957	P2 16-in stud wall spray tip
GC1958	P2 24-in stud wall spray tip
GC1959	P2 delay plug
GC2494	P2 seal kit
GC2495	P2 seal housing kit
GC2496	P2 40 mesh filter kit (24R894 - pack of 10)
GC2497	P2 100 mesh filter kit (24R895 - pack of 10)
GC2498	P2 side seal kit
GC2499	P2 handle kit
GC2500	P2 round 00 mix chamber kit
GC2501	P2 round 01 mix chamber kit
GC2502	P2 round 02 mix chamber kit
GC2503	P2 round 03 mix chamber kit
GC2504	P2 round 04 mix chamber kit
GC2505	P2 round 05 mix chamber kit
GC250A	P2 round AA mix chamber kit
GC2510	Mix chamber 00 insert kit
GC2511	Mix chamber 01 insert kit
GC2512	Mix chamber 02 insert kit
GC2513	Mix chamber 03 insert kit
GC2514	Mix chamber 04 insert kit
GC2515	Mix chamber 05 insert kit
GC251A	Mix chamber AA insert kit
257988	P2 Elite chopper attachment, B-410
257989	P2 Elite chopper attachment, B-510

PROBLER P2 REPLACEMENT PARTS KIT

24X574	Probler P2 Parts Kit, complete with refillable case
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LIQUID-PURGE GUN

Unprecedented features that will change the way you spray

ORDERING INFORMATION

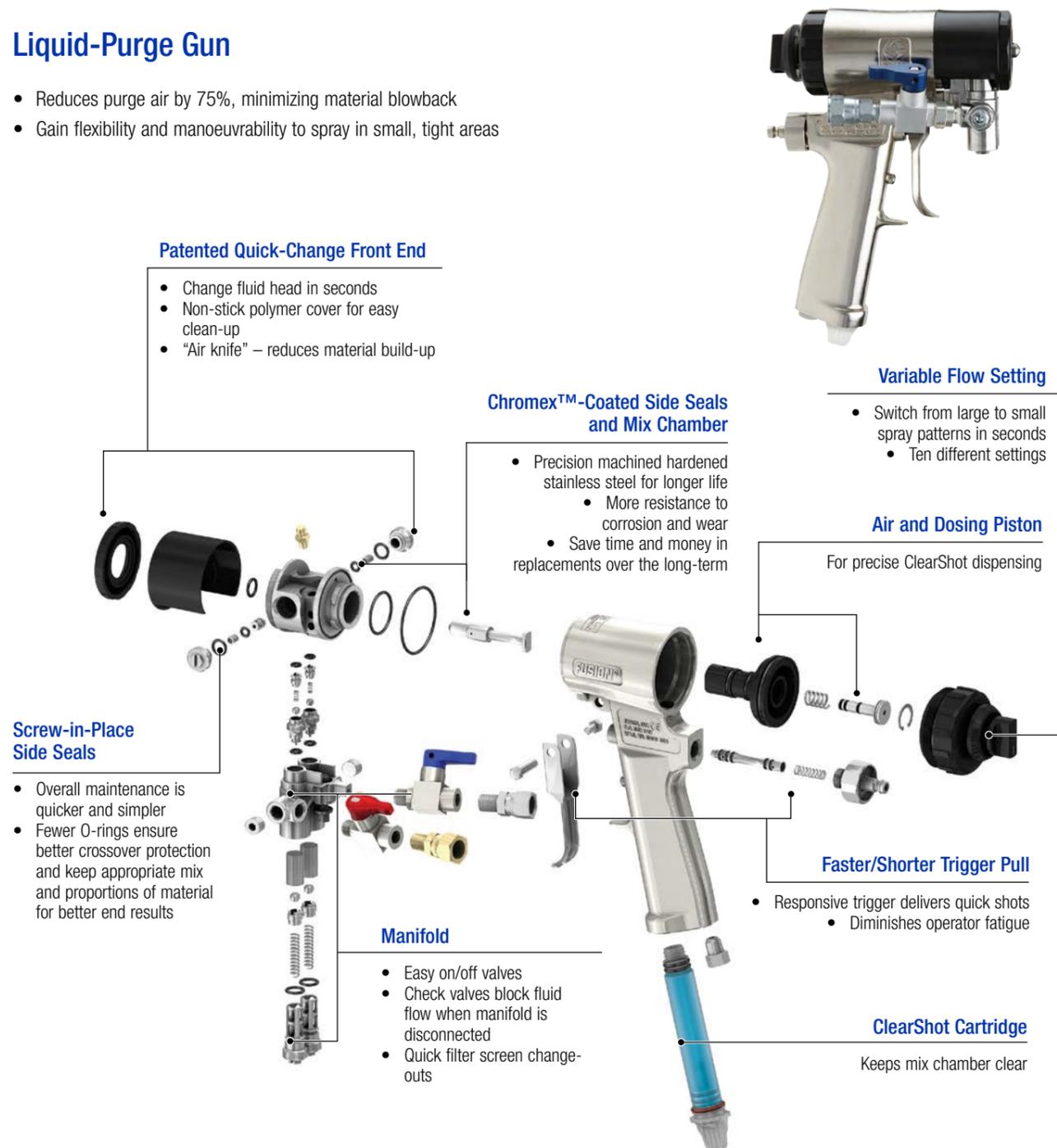
Fusion CS Gun

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

Graco's 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 and virtually eliminating drilling of the mix chamber.

Liquid-Purge Gun

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



Patented Quick-Change Front End

- Change fluid head in seconds
- Non-stick polymer cover for easy clean-up
- "Air knife" – reduces material build-up

Chromex™-Coated Side Seals and Mix Chamber

- Precision machined hardened stainless steel for longer life
 - More resistance to corrosion and wear
 - Save time and money in replacements over the long-term

Variable Flow Setting

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

Air and Dosing Piston

For precise ClearShot dispensing

Faster/Shorter Trigger Pull

- Responsive trigger delivers quick shots
 - Diminishes operator fatigue

Manifold

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

ClearShot Cartridge

Keeps mix chamber clear

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

FUSION CS GUN, ROUND

CS20RD	RD2020 (000) round mix chamber (.020 orifice size)
CS00RD	RD0000 (00) round mix chamber (.029 orifice size)
CS01RD	RD0101 (01) round mix chamber (.042 orifice size)
CS02RD	RD0202 (02) round mix chamber (.052 orifice size)
CS03RD	RD0303 (03) round mix chamber (.060 orifice size)

FUSION CS GUN, WIDE ROUND

CS22WD	WD2222 wide mix chamber (.022 orifice size)
CS00WD	WD0000 wide mix chamber (.028 orifice size)
CS01WD	WD0101 wide mix chamber (.039 orifice size)
CS02WD	WD0202 wide mix chamber (.046 orifice size)
CS03WD	WD0303 wide mix chamber (.057 orifice size)

FUSION CS GUN, FLAT

CS20F1	FL2020 mix chamber with FT0424 flat tip (.020 orifice size)
CS20F2	FL2020 mix chamber with FT0438 flat tip (.020 orifice size)
CS00F1	FL0000 mix chamber with FT0424 flat tip (.029 orifice size)
CS00F2	FL0000 mix chamber with FT0438 flat tip (.029 orifice size)
CS00F3	FL0000 mix chamber with FT0624 flat tip (.029 orifice size)
CS00F4	FL0000 mix chamber with FT0638 flat tip (.029 orifice size)
CS00F5	FL0000 mix chamber with FT0838 flat tip (.029 orifice size)
CS00F6	FL0000 mix chamber with FT0848 flat tip (.029 orifice size)
CS01F1	FL0101 mix chamber with FT0424 flat tip (.042 orifice size)
CS01F2	FL0101 mix chamber with FT0438 flat tip (.042 orifice size)
CS01F3	FL0101 mix chamber with FT0624 flat tip (.042 orifice size)
CS01F4	FL0101 mix chamber with FT0638 flat tip (.042 orifice size)
CS01F5	FL0101 mix chamber with FT0838 flat tip (.042 orifice size)
CS01F6	FL0101 mix chamber with FT0848 flat tip (.042 orifice size)
CS02F1	FL0202 mix chamber with FT0424 flat tip (.052 orifice size)
CS02F2	FL0202 mix chamber with FT0438 flat tip (.052 orifice size)
CS02F3	FL0202 mix chamber with FT0624 flat tip (.052 orifice size)
CS02F4	FL0202 mix chamber with FT0638 flat tip (.052 orifice size)
CS02F5	FL0202 mix chamber with FT0838 flat tip (.052 orifice size)
CS02F6	FL0202 mix chamber with FT0848 flat tip (.052 orifice size)

FUSION CS PARTS

117773	Fusion grease (248280 - pack of 10), fluid passage
118665	Fusion lube (248279 - pack of 10), gun parts
246357	Gun filter, 40 mesh - pack of 10
246358	Gun filter, 60 mesh - pack of 10
246359	Gun filter, 80 mesh - pack of 10
248132	Fluid housing O-ring, large - pack of 6
248648	Fluid housing O-ring, mix chamber - pack of 6 (25M240 - pack of 50)
256414	Cover retainer kit - pack of 5
256415	Front cover, round kit - pack of 5
256416	Front cover, tip kit - pack of 5
256454	Air piston kit
256455	Spool valve kit
256456	Variable flow kit
256457	Front end replacement kit
256459	A Side valve kit
256460	B Side valve kit
256461	Fluid head checks kit
256462	Hose manifold checks kit
256463	Side seal housings kit
256464	Side seals kit
256466	Hose manifold kit
256465	Polycarbally seals kit, pack of 2
256469	Hose manifold check O-rings kit
256470	Air piston O-ring kit
256471	Fluid head O-ring kit
256472	Back cap O-ring kit
256467	Side seal O-rings - pack of 6 (25M239 - pack of 50)

256468	Side seal housing O-rings - pack of 6 (25M241 - pack of 50)
256489	Polycarbally seals kit, pack of 20
256490	Complete O-rings repair kit
256510	Fusion CS solvent flush kit
256526	Fusion CS gun clean out drill kit
256566	Fusion CS recirc manifold kit
256567	Tip retainer kit
256569	Fusion CS TP100 tip kit
256570	Fusion CS stud wall tip kit
256640	O-ring, fluid head checks kit - pack of 6
256641	Fusion CS flush manifold kit
258996	CS Adapter Block, used with AP hose manifold
256642	Inlet cover kit
256650	TP100 seals - pack of 5
256651	Stud wall tip seals - pack of 5
256771	Check valve O-ring, radial - pack of 6 (25M249 - pack of 25)
256772	Air piston O-ring, small - pack of 6
256773	Fluid housing O-ring, small - pack of 6
256774	Variable flow O-ring - pack of 6
256775	Air piston O-ring, large - pack of 6
256923	Side seal springs - pack of 10
256977	Studwall retainer kit / TP 100
256978	Studwall housing kit / TP 100
257142	Polycarbally side seal housing kit
257419	Check valve spring - pack of 10
257420	Check ball - pack of 10
257421	Check valve retainer - pack of 10
257422	Check valve kit, Fusion CS (ISO)
257423	Check valve kit, Fusion CS (resin)
257424	Dosing piston with O-rings
257426	Variable flow O-ring kit - pack of 6 (25M246 - pack of 50)
257427	Check valve housing (ISO) - pack of 10
257428	Check valve housing (resin) - pack of 10

FUSION CS MIX CHAMBER KITS (INCLUDES CLEAN-OUT TOOLS)

FL2020	Fusion CS 2020 flat mix chamber kit
FL0000	Fusion CS 2929 flat mix chamber kit
FL0101	Fusion CS 4242 flat mix chamber kit
FL0202	Fusion CS 5252 flat mix chamber kit
RD2020	Fusion CS 2020 round mix chamber kit
RD0000	Fusion CS 2929 round mix chamber kit
RD0101	Fusion CS 4242 round mix chamber kit
RD0202	Fusion CS 5252 round mix chamber kit
RD0303	Fusion CS 6060 round mix chamber kit
WD2222	Fusion CS 2222 wide mix chamber kit
WD0000	Fusion CS 2828 wide mix chamber kit
WD0101	Fusion CS 3939 wide mix chamber kit
WD0202	Fusion CS 4646 wide mix chamber kit
WD0303	Fusion CS 5757 wide mix chamber kit

FUSION CS REPLACEMENT PARTS KIT

24X573	Fusion CS Parts Kit, complete with refillable case
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CLEARSHOT FLUID

256385	ClearShot Liquid Cartridges - pack of 25
256386	ClearShot Liquid Cartridges - pack of 50
256387	ClearShot Liquid Cartridges - pack of 100
17X756	Bulk CS Fluid, pack of 4, 16 oz bottles (can fill 100 CS tubes)
17X757	Bulk CS Fluid, pack of 12, 16 oz bottles (can fill 300 CS tubes)

MECHANICAL-PURGE GUNS

Optimal material mix

ORDERING INFORMATION

Fusion MP Gun

Fusion Mechanical-Purge (MP) Gun – 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, and significantly reduces repair and maintenance costs



CeramTip

- Durable and easy to change
- Round and flat patterns

Adjustable Front Packing PolyCarballoy Mix Module

For proven long life

Safety Stop

Manual on/off

Purge Rod

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

Check Valves with Screens

Cartridge design for easy maintenance

Contoured Trigger

Easy two-figure actuation

Ergonomic Handle

Smooth curved handle improves operator comfort and reduces fatigue

FUSION MECHANICAL-PURGE GUNS, DI, FLAT

247050	Fusion MP direct impingement, flat pattern XF1313, FTM317
247051	Fusion MP direct impingement, flat pattern XF1313, FTM424
247057	Fusion MP direct impingement, flat pattern XF1818, FTM317
247058	Fusion MP direct impingement, flat pattern XF1818, FTM424
247061	Fusion MP direct impingement, flat pattern XF2323, FTM424
247062	Fusion MP direct impingement, flat pattern XF2323, FTM438
247063	Fusion MP direct impingement, flat pattern XF2323, FTM624
247065	Fusion MP direct impingement, flat pattern XF2929, FTM424
247066	Fusion MP direct impingement, flat pattern XF2929, FTM438
247067	Fusion MP direct impingement, flat pattern XF2929, FTM624
247073	Fusion MP direct impingement, flat pattern XF3535, FTM438
247074	Fusion MP direct impingement, flat pattern XF3535, FTM624
247075	Fusion MP direct impingement, flat pattern XF3535, FTM638
247081	Fusion MP direct impingement, flat pattern XF4747, FTM624
247082	Fusion MP direct impingement, flat pattern XF4747, FTM638
247083	Fusion MP direct impingement, flat pattern XF4747, FTM838
247089	Fusion MP direct impingement, flat pattern XF5757, FTM638
247090	Fusion MP direct impingement, flat pattern XF5757, FTM838
247091	Fusion MP direct impingement, flat pattern XF5757, FTM848
247163	Fusion MP direct impingement, flat pattern XF2332, FTM438

FUSION MECHANICAL-PURGE GUNS, STANDARD, FLAT

247257	Fusion MP standard, flat pattern MF1818, FTM317
247258	Fusion MP standard, flat pattern MF1818, FTM424
247265	Fusion MP standard, flat pattern MF2929, FTM424
247266	Fusion MP standard, flat pattern MF2929, FTM438
247267	Fusion MP standard, flat pattern MF2929, FTM624
247273	Fusion MP standard, flat pattern MF3535, FTM438
247274	Fusion MP standard, flat pattern MF3535, FTM624
247275	Fusion MP standard, flat pattern MF3535, FTM638
247281	Fusion MP standard, flat pattern MF4747, FTM624
247282	Fusion MP standard, flat pattern MF4747, FTM638
247283	Fusion MP standard, flat pattern MF4747, FTM838
247289	Fusion MP standard, flat pattern MF5757, FTM638
247290	Fusion MP standard, flat pattern MF5757, FTM838
247291	Fusion MP standard, flat pattern MF5757, FTM848

FUSION MECHANICAL-PURGE GUNS, DI, ROUND

247003	Fusion MP direct impingement, round pattern XR2323, RTM040
247006	Fusion MP direct impingement, round pattern XR2929, RTM030
247007	Fusion MP direct impingement, round pattern XR2929, RTM040
247011	Fusion MP direct impingement, round pattern XR3535, RTM030
247012	Fusion MP direct impingement, round pattern XR3535, RTM040
247013	Fusion MP direct impingement, round pattern XR3535, RTM055
247018	Fusion MP direct impingement, round pattern XR4747, RTM040
247019	Fusion MP direct impingement, round pattern XR4747, RTM055
247025	Fusion MP direct impingement, round pattern XR5757, RTM055
247026	Fusion MP direct impingement, round pattern XR5757, RTM070

FUSION MECHANICAL-PURGE GUNS, STANDARD, ROUND

247211	Fusion MP standard, round pattern MR3535, RTM030
247212	Fusion MP standard, round pattern MR3535, RTM040
247213	Fusion MP standard, round pattern MR3535, RTM055
247218	Fusion MP standard, round pattern MR4747, RTM040
247219	Fusion MP standard, round pattern MR4747, RTM055
247225	Fusion MP standard, round pattern MR5757, RTM055
247226	Fusion MP standard, round pattern MR5757, RTM070
247231	Fusion MP standard, round pattern MR6666, RTM070
247232	Fusion MP standard, round pattern MR6666, RTM080
247233	Fusion MP standard, round pattern MR6666, RTM090
247239	Fusion MP standard, round pattern MR8282, RTM090
247240	Fusion MP standard, round pattern MR8282, RTM100
247245	Fusion MP standard, round pattern MR9494, RTM100
247246	Fusion MP standard, round pattern MR9494, RTM110

FUSION MECHANICAL-PURGE MIX MODULES

MF1818	Standard mix module, flat
MF2929	Standard mix module, flat
MF3535	Standard mix module, flat
MF4747	Standard mix module, flat
MF5757	Standard mix module, flat
MR3535	Standard mix module, round
MR4747	Standard mix module, round
MR5757	Standard mix module, round
MR6666	Standard mix module, round
MR8282	Standard mix module, round
MR9494	Standard mix module, round
XF1313	Direct impingement mix module, flat
XF1818	Direct impingement mix module, flat
XF1824	Direct impingement mix module, flat
XF2323	Direct impingement mix module, flat
XF2332	Direct impingement mix module, flat
XF2929	Direct impingement mix module, flat
XF3535	Direct impingement mix module, flat
XF4747	Direct impingement mix module, flat
XF5757	Direct impingement mix module, flat
XR2323	Direct impingement mix module, round
XR2929	Direct impingement mix module, round
XR3535	Direct impingement mix module, round
XR4747	Direct impingement mix module, round
XR5757	Direct impingement mix module, round

FUSION MECHANICAL-PURGE ROUND TIPS

RTM024	Kit, round tip, mechanical-purge
RTM030	Kit, round tip, mechanical-purge
RTM040	Kit, round tip, mechanical-purge
RTM055	Kit, round tip, mechanical-purge
RTM070	Kit, round tip, mechanical-purge
RTM080	Kit, round tip, mechanical-purge
RTM090	Kit, round tip, mechanical-purge
RTM100	Kit, round tip, mechanical-purge
RTM110	Kit, round tip, mechanical-purge

FUSION MECHANICAL-PURGE FLAT TIPS

FTM317	Kit, flat tip, mechanical-purge, 152 mm (6 in) pattern, very low flow
FTM424	Kit, flat tip, mechanical-purge, 203 mm (8 in) pattern, low flow
FTM438	Kit, flat tip, mechanical-purge, 203 mm (8 in) pattern, medium flow
FTM624	Kit, flat tip, mechanical-purge, 305 mm (12 in) pattern, low flow
FTM638	Kit, flat tip, mechanical-purge, 305 mm (12 in) pattern, medium flow
FTM838	Kit, flat tip, mechanical-purge, 406 mm (16 in) pattern, medium flow
FTM848	Kit, flat tip, mechanical-purge, 406 mm (16 in) pattern, high flow

FUSION MECHANICAL-PURGE PARTS AND ACCESSORIES

244915	Mechanical-Purge gun cover kit, pack of 10
248603	Kit converts Fusion MP gun to Solvent-Purge
248642	Static mixer assembly for Solvent-Purge Gun, 76 mm (3 in)
248682	Fusion Mechanical pour adapter kit
15D546	Fusion gun cleaning kit
119386	Drill bit kit, 20-piece, #61-#81
248000	Kit, complete O-ring, Fusion MP
248001	Kit, purge rod
248003	Kit, front/rear packing, pack of 4
248597	Solvent Purge Manual Spray Gun

FUSION MECHANICAL-PURGE REPLACEMENT PARTS KIT

24X572	Fusion MP Parts Kit, complete with refillable case
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MECHANICAL-PURGE GUNS



ORDERING INFORMATION

Mechanical-Purge Guns

Mechanical-Purge				
Model ▶	GX-7®	GX-7® DI	GX-7®-400	GX-8
Materials sprayed	Foam only	Coatings only	Coatings only	Coatings only
Maximum Output	18 kg/min (40 lb/min)	10.0 kg/min (22 lb/min)	3.6 kg/min (8 lb/min)	0.7 kg/min (1.5 lb/min)
Minimum Output	1.6 kg/min (3.5 lb/min)	1.8 kg/min (4 lb/min)	1.6 kg/min (3.5 lb/min)	0.45 kg/min (< 1 lb/min)
Maximum Fluid Working Pressure	240 bar (3500 psi, 24.0 MPa)			
Maximum Working Air Inlet Pressure	8.6 bar (125 psi, 0.86 MPa)			
Maximum Fluid Temperature	93°C (200°F)	93°C (200°F)	93°C (200°F)	93°C (200°F)
Weight (with manifold)	1.9 kg (4.1 lb)	1.9 kg (4.1 lb)	1.9 kg (4.1 lb)	1.4 kg (3.1 lb)
Air inlet size	1/4 npt quick disconnect nipple			
A Component (ISO) inlet size	-5 JIC; 1/2-20 UNF swivel			
B Component (Resin) inlet size	-6 JIC; 9/16-18 UNF swivel			
Wetted Parts	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
Gun Dimensions	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 (9 x 9.5 x 4.5 in)	17.8 x 19 x 6.4 cm (7 x 7.5 x 2.5 in)
Instruction Manual	311321	311321	311321	311338
Applications	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

GX-7, GX-7-DI TIPS AND ACCESSORIES

- 295383 Coupling block
- 296128 Coupling block gasket, pack of 2
- 296692 Valving rod, 125
- 296693 Screen screw seal kit, pack of 2
- 296694 Round tip 100
- 296695 Round tip 110
- 296697 Round tip 125
- 256388 Single piece valving rod
- 296698 Fan tip 202
- 296700 Fan tip 204
- 296701 Fan tip 206
- 296702 Fan tip 208
- 296703 Fan tip 209
- 296704 Fan tip 210
- 296705 Fan tip 212
- 296706 Fan tip 213
- 296707 Fan tip 215
- 296708 Round tip 40
- 296709 Round tip 46
- 296710 Round tip 70
- 296711 Round tip 80
- 296712 Round tip 90
- 296715 Round tip 210
- 296716 Round tip 212

GX-7, GX-7-DI TIPS AND ACCESSORIES (CONTINUED)

- 296717 Round tip 55, pack of 5
- 296718 Round tip 70, pack of 5
- 296719 Round tip 80, pack of 5
- 296720 Round tip 90, pack of 5
- 296722 Check valve kit, pack of 10
- 296723 Screen screw seal kit, pack of 2
- 296792 Screen screw seal kit, pack of 10
- 296724 80 mesh screen, package of 50
- 296829 Rear packing seal, pack of 5
- 296882 Fan tip 212.5 spec
- 296883 Fan tip 213.5 spec
- 296838 Air Cap, D-Gun 46
- 296621 Screen screw seal kit, pack of 10
- 296622 80 mesh screen kit, pack of 10
- 296623 80 mesh screen kit, pack of 50
- 296611 Felt wiper kit, pack of 5
- 296125 Air valve repair kit
- 296725 Air cylinder seal kit
- 296614 Check Valve-A, D-Gun, pack of 10
- 296615 Check Valve-R, D-Gun, pack of 10

GX-7 GUNS

- 25E217 GX-7 Slab Jacking Gun
- 295542 GX-7 1/90 Gun
- 295543 GX-7 10/210 Gun
- 295544 GX-7 3/70 Gun
- 295545 GX-7 5/70 Gun
- 295541 GX-7 DI 4/213 Gun
- 295540 GX-7-400 Gun

GX-7 MIX MODULE KITS

- 296868 Module, A5 pour
- 296869 Module, A5 pour, pack of 12
- 296870 Module, A5-FS pour
- 296871 Module, A5-FS pour, pack of 12
- 296872 Module, A10 pour, pack of 12
- 296873 Module, A20 pour, pack of 12
- 296874 Module, A2 pour, pack of 12 (with 2 drills)
- 296875 Module, A2 pour
- 296876 Module, A3 pour
- 296885 Fan module, #402 round
- 296888 Fan module, #452 fan
- 296891 Fan module, #453 fan
- 296901 Ported module, #4
- 296903 Ported module, #5
- 296906 Round module, #10
- 296908 Round module, #1, pack of 12 (with 2 drills)
- 296909 Round module, #1
- 296910 Flat module, #12
- 296915 Round module, #16
- 296916 Round module, #2
- 296917 Round module, #22
- 296919 Round module, ported #3
- 296921 Round module, ported #4
- 296923 Round module, ported #5
- 296924 Round module, ported #53
- 296925 Fan module, ported #7 flat
- 296970 Manual valve
- 296978 Front packing
- 295868 PCD retainer O-ring

GX-7 DI MIX MODULE KITS

- 296900 Fan module #2
- 296901 Fan module #4
- 296903 Fan module #5

GX-7 400 MIX MODULE KITS

- 296885 Round module 402
- 296884 Round module 402, pack of 12
- 296859 Fan module 451
- 296860 Fan module 451, pack of 12
- 296888 Fan module 452
- 296887 Fan module 452, pack of 12
- 296891 Fan module 453
- 296890 Fan module 453, pack of 12

GX-7 400 TIP KITS

- 296858 Round 40
- 296852 Fan 210
- 296853 Fan 212
- 296854 Fan 212, pack of 5
- 296855 Fan 213
- 296856 Fan 213, pack of 5
- 296857 Fan 214
- 296892 Fan TOM

GX-8 GUN AND ACCESSORIES

- 297898 GX-8 Gun, with 013 module
- 297832 GX-8 Gun with starter and service kit
- 295377 013 round module, pack of 5
- 295339 020 round tip
- 295428 024 round tip
- 295338 013 fan module
- 297192 201 fan tip
- 297841 202 fan tip



GUN ACCESSORIES

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, 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)
- AR __ CX = Chrome-X Mix Chamber

Fusion PC:

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

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 61 cm (24 in) from target	Polyurea in liter/min (gpm) @ 138 bar (2000 psi)	Foam in kg/min (lb/min) @ 1000 psi
Fusion CS Round				
		x mm (x in)	x liter/min (x gpm)	x kg/min (x lb/min)
CS20RD	RD2020	127 mm (5 in)	1.9 (0.5)	1.5 (3)
CS00RD	RD0000	203 mm (8 in)	4.1 (1.1)	3.1 (7)
CS01RD	RD0101	279 mm (11 in)	6.1 (1.6)	4.1 (9)
CS02RD	RD0202	305 mm (12 in)	9.1 (2.4)	8.6 (14)
CS03RD	RD0303	356 mm (14 in)	NA	14.1 (19)
Fusion CS Wide Round				
CS22WD	WD2222	203 mm (8 in)	1.9 (0.5)	2.1 (4.5)
CS00WD	WD0000	381 mm (15 in)	4.1 (1.1)	3.1 (7)
CS01WD	WD0101	406 mm (16 in)	6.1 (1.6)	4.1 (9)
CS02WD	WD0202	457 mm (18 in)	9.1 (2.4)	8.6 (14)
CS03WD	WD0303	457 mm (18 in)	NA	14.1 (19)
Fusion CS Flat				
CS20F1	FL2020 w/FT0424	254 mm (10 in)	1.9 (0.5)	1.5 (3)
CS20F2	FL2020 w/FT0438	254 mm (10 in)	2.2 (0.6)	1.5 (3)
CS00F1	FL0000 w/FT0424	254 mm (10 in)	3.7 (1.0)	2.7 (6)
CS00F2	FL0000 w/FT0438	254 mm (10 in)	4.5 (1.2)	3.1 (7)
CS00F3	FL0000 w/FT0624	356 mm (14 in)	3.7 (1.0)	2.7 (6)
CS00F4	FL0000 w/FT0638	356 mm (14 in)	4.5 (1.2)	3.1 (7)
CS00F5	FL0000 w/FT0838	457 mm (18 in)	4.5 (1.2)	3.1 (7)
CS00F6	FL0000 w/FT0848	457 mm (18 in)	4.5 (1.2)	3.1 (7)
CS01F1	FL0101 w/FT0424	254 mm (10 in)	3.7 (1.0)	2.7 (6)
CS01F2	FL0101 w/FT0438	254 mm (10 in)	4.9 (1.3)	4.1 (9)
CS01F3	FL0101 w/FT0624	356 mm (14 in)	3.7 (1.0)	2.7 (6)
CS01F4	FL0101 w/FT0638	356 mm (14 in)	4.9 (1.3)	4.1 (9)
CS01F5	FL0101 w/FT0838	457 mm (18 in)	4.9 (1.3)	4.1 (9)
CS01F6	FL0101 w/FT0848	457 mm (18 in)	4.9 (1.3)	4.1 (9)
CS02F1	FL0202 w/FT0424	254 mm (10 in)	3.7 (1.0)	2.7 (6)
CS02F2	FL0202 w/FT0438	254 mm (10 in)	4.9 (1.3)	4.1 (9)
CS02F3	FL0202 w/FT0624	356 mm (14 in)	3.7 (1.0)	2.7 (6)
CS02F4	FL0202 w/FT0638	356 mm (14 in)	4.9 (1.3)	4.1 (9)
CS02F5	FL0202 w/FT0838	457 mm (18 in)	4.9 (1.3)	4.1 (9)
CS02F6	FL0202 w/FT0848	457 mm (18 in)	4.9 (1.8)	5.4 (12)
Fusion Air-Purge Round				
246099	AR2020	127 mm (5 in)	1.9 (0.5)	1.5 (3)
246100	AR2929	203 mm (8 in)	4.1 (1.1)	3.1 (7)
248617	AR3737	227 mm (9 in)	4.9 (1.3)	3.6 (8)
246101	AR4242	279 mm (11 in)	6.1 (1.6)	4.1 (9)
246102	AR5252	305 mm (12 in)	9.1 (2.4)	6.4 (14)
246103	AR6060	356 mm (14 in)	NA	8.6 (19)
246104	AR7070	381 mm (15 in)	NA	11.3 (25)
246105	AR8686	457 mm (18 in)	NA	15.8 (35)
Fusion Air-Purge Wide Round				
240581	AW2828	381 mm (15 in)	4.1 (1.1)	3.1 (7)
NA	AW3333	381 mm (15 in)	4.9 (1.3)	3.6 (8)
249529	AW3939	406 mm (16 in)	6.1 (1.6)	4.1 (9)
249530	AW4646	457 mm (18 in)	9.1 (2.4)	6.4 (14)
NA	AW5757	457 mm (18 in)	NA	8.6 (9)
NA	AW6464	564 mm (22 in)	NA	11.3 (25)
NA	AW8282	610 mm (24 in)	NA	15.8 (35)
Fusion Air-Purge Flat				
247101	AF2020 (FT0424)	254 mm (10 in)	2.2 (0.6)	1.5 (3)
247112	AF2929 (FT0438)	254 mm (10 in)	4.5 (1.2)	3.1 (7)
247124	AF4242 (FT0638)	356 mm (14 in)	4.9 (1.3)	4.1 (9)
247138	AF5252 (FT0848)	457 mm (18 in)	6.8 (1.8)	5.4 (12)

Gun	Mix Chamber/Tip	Pattern at 61 cm (24 in) from target	Polyurea in liter/min (gpm) @ 138 bar (2000 psi)	Foam in kg/min (lb/min) @ 1000 psi
Fusion PC Round				
		x mm (x in)	x liter/min (x gpm)	x kg/min (x lb/min)
NA	PC20RD	127 mm (5 in)	1.9 (0.5)	1.5 (3)
25P587	PC29RD	203 mm (8 in)	4.1 (1.1)	3.1 (7)
25R084	PC37RD	227 mm (9 in)	4.9 (1.3)	3.6 (8)
25P588	PC42RD	279 mm (11 in)	6.1 (1.6)	4.1 (9)
25P590	PC47RD	279 mm (11 in)	7.6 (2)	5.2 (11.5)
25P589	PC52RD	305 mm (12 in)	9.1 (2.4)	6.4 (14)
25R085	PC60RD	356 mm (14 in)	NA	8.6 (19)
NA	PC70RD	457 mm (18 in)	NA	11.3 (25)
Fusion PC Flat				
NA	PC20FL	254 mm (10 in)	2.2 (0.6)	1.3 (3)
25R086	PC29FL / FT0438	254 mm (10 in)	4.5 (1.2)	3.1 (7)
NA	PC42FL	356 mm (14 in)	4.9 (1.3)	4.1 (9)
Fusion Mechanical-Purge Round				
247003	XR2323 (RTM030)	152 mm (6 in)	1.9 (0.5)	1.8 (4)
247007	XR2929 (RTM040)	203 mm (8 in)	3.4 (0.9)	3.1 (7)
247212 / 247012	MR3535 / XR3535 (RTM040)	203 mm (8 in)	4.5 (1.2)	3.6 (8)
247219 / 247019	MR4747 / XR4747 (RTM055)	227 mm (9 in)	6.4 (1.7)	4.5 (10)
247226 / 247026	MR5757 / XR5757 (RTM070)	254 mm (10 in)	10.2 (2.7)	6.8 (15)
247232	MR6666 (RTM080)	279 mm (11 in)	NA	10.9 (24)
247239	MR8282 (RTM090)	305 mm (12 in)	NA	13.6 (30)
247246	MR9494 (RTM110)	305 mm (12 in)	NA	17.7 (39)
Fusion Mechanical-Purge Flat				
247051	XF1313 (FTM424)	254 mm (10 in)	0.6 (0.15)	0.7 (1.5)
247258 / 247058	MF1818 / XF1818 (FTM424)	254 mm (10 in)	1.2 (0.3)	0.9 (2)
247061	XF 2323 (FTM424)	254 mm (10 in)	1.5 (0.4)	1.1 (2.5)
247265 / 247065	MF2929 / XF2929 (FTM424)	254 mm (10 in)	2.2 (0.6)	1.5 (3)
247275 / 247075	MF3535 / XF3535 (FTM638)	356 mm (14 in)	3.4 (0.9)	2.7 (6)
247282 / 247082	MF4747 / XF4747 (FTM638)	356 mm (14 in)	4.1 (1.1)	3.1 (7)
247289 / 247089	MF5757 / XF5757 (FTM638)	356 mm (14 in)	4.9 (1.3)	3.6 (8)
P2 Gun				
GCP2RA	GC250A w/GC251A	127 mm (5 in)	1.5 (0.4)	1.5 (3)
GCP2R0	GC2500 w/GC2510	229 mm (9 in)	4.1 (1.1)	3.6 (8)
GCP2R1	GC2501 w/GC2511	254 mm (10 in)	6.1 (1.6)	5.4 (12)
GCP2R2	GC2502 w/GC2512	305 mm (12 in)	9.4 (2.5)	7.2 (16)
GCP2R3	GC2503 w/GC2513	356 mm (14 in)	NA	10.9 (24)
GCP2R4	GC2504 w/GC2514	394 mm (15.5 in)	NA	13.1 (29)
GCP2R5	GC2505 w/GC2515	457 mm (18 in)	NA	16.3 (36)
P2 Elite Gun				
GCP3RA	GC250A w/GC251A	127 mm (5 in)	1.5 (0.4)	1.5 (3)
GCP3R0	GC2500 w/GC2510	229 mm (9 in)	4.1 (1.1)	3.6 (8)
GCP3R1	GC2501 w/GC2511	254 mm (10 in)	6.1 (1.6)	5.4 (12)
GCP3R2	GC2502 w/GC2512	305 mm (12 in)	9.4 (2.5)	7.2 (16)
GCP3R3	GC2503 w/GC2513	356 mm (14 in)	NA	10.9 (24)
GCP3R4	GC2504 w/GC2514	394 mm (15.5 in)	NA	13.1 (29)
GCP3R5	GC2505 w/GC2515	457 mm (18 in)	NA	16.3 (36)
P2 Auto Gun				
GCP4RA	GC250A w/GC251A	127 mm (5 in)	1.5 (0.4)	1.5 (3)
GCP4R0	GC2500 w/GC2510	229 mm (9 in)	4.1 (1.1)	3.6 (8)
GCP4R1	GC2501 w/GC2511	254 mm (10 in)	6.1 (1.6)	5.4 (12)
GCP4R2	GC2502 w/GC2512	305 mm (12 in)	9.4 (2.5)	7.2 (16)
GCP4R3	GC2503 w/GC2513	356 mm (14 in)	NA	10.9 (24)
GCP4R4	GC2504 w/GC2514	394 mm (15.5 in)	NA	13.1 (29)
GCP4R5	GC2505 w/GC2515	457 mm (18 in)	NA	16.3 (36)

Part number examples

FT0438
 Fusion CS or Fusion AP Flat Tip
 Fan Pattern Width = 8 in (203 mm) (double this number)
 Tip Orifice Size = .038 in (0.96 mm)



RD0202
 Fusion CS Round Mix Chamber
 First 02 = "A" (ISO) Chamber Size
 Second 02 = "B" (RES) Chamber Size



AF4242
 Fusion AP Flat Mix Chamber
 First 42 = "A" (ISO) Orifice Size = .042 in (1.6 mm)
 Second 42 = "B" (RES) Orifice Size = .042 in (1.6 mm)



PC 42 RD
 Fusion PC
 "A" & "B" Orifice Size = .042
 Round Mix Chamber



FTM424
 Fusion MP Flat Tip Mechanical
 Fan Pattern Width = 8 in (203 mm) (double this number)
 Tip Orifice Size = .024 in (0.61 mm)



RTM030
 Fusion MP Round Tip Mechanical
 Tip Orifice Size = .030 in (0.76 mm)



MR 3535
 Fusion MP Mechanical Round Mix Module
 First 35 = "A" (ISO) Orifice Size = .035 in (0.89 mm)
 Second 35 = "B" (RES) Orifice Size = .035 in (0.89 mm)



TRANSFER PUMPS AND AGITATOR KITS

Engineered for more output, better performance and great value

Transfer Pumps and Agitator Kits – Reliable and Cost Effective

- The T2 design doubles the output – from 9.5 to 19 liter 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

	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	9.5 lpm (2.5 gpm)	15 lpm (4.0 gpm)	12 bar (180 psi, 1.2 MPa)	25 bar (360 psi, 2.5 MPa)	50°C (120°F)	82°C (180°F)	8.4 kg (18 lb)	130.8 cm (51.5 in) length; 66 mm (2.6 in) diameter (cap)	312766
T2	295616	2.25:1	19 lpm (5.0 gpm)	28 lpm (7.5 gpm)	12 bar (180 psi, 1.2 MPa)	28 bar (405 psi, 2.8 MPa)	50°C (120°F)	88°C (190°F)	9.5 kg (21 lb)	137 cm (54 in) length; 89 mm (3.5 in) diameter (cap)	311882
T3 SST	26A304	3:1	17 lpm (4.5 gpm)		6.8 bar (100 psi, 0.68 MPa)	21.7 bar (315 psi, 2.17 MPa)	49°C (120°F)	88°C (190°F)	10 kg (22 lb)		3A5180
T3 CS	24Z834	3:1	17 lpm (4.5 gpm)		6.8 bar (100 psi, 0.68 MPa)	21.7 bar (315 psi, 2.17 MPa)	49°C (120°F)	88°C (190°F)	10 kg (22 lb)		3A5180

Graco's newest transfer pumps:

- T3 pumps are offered in both carbon steel and stainless steel versions
- The T3 pumps are shorter than other pumps making it easier to remove the pump from the drum inside of a spray rig
- The T3 is a 3:1 ratio pump, thereby using less air pressure to provide the same fluid pressure you require
- The T3 is much quieter. T3's decibels are nearly 16 dBA less than the T2. In layman's terms that equates to about 3 times quieter than the T2.
- T3 pumps utilize the proven Merkur air-motor is based on air pilot valve technology, so the air-motor valve switching is purely pneumatic. That means there are fewer parts on T3 to wear, maintain and replace.
- T3 pumps include the updated bung adapter with handles and wrench flats for easy removal from the drum
- T3 carbon steel pumps now include a tapered lower shaft for easy removal in low ceiling height rigs



Air Driven Expanding Blade Agitator

Graco's expanding blade agitators are specifically designed to properly mix spray foam and polyurea materials and to maintain suspension. Many chemistries require agitation to properly mix materials for optimal material properties and yields. The extended center shaft ensures the lower blades reach the bottom of the drum for difficult to mix materials, including emulsions. Designed to fit through a standard drum bung.

Part Number	26C150	26C818
Max Working Pressure	100 psi (0.7 MPa, 7 bar)	100 psi (0.7 MPa, 7 bar)
Max Centipoise	2000 cps	1000 cps
Max Recommended Agitator Speed	500 rpm	500 rpm
Air Consumption at 400 rpm with 100 psi (0.7 MPa, 7 bar) air inlet pressure	22 scfm (0.62 m ³ /min)	12 scfm (0.34 m ³ /min)
Weight	13.3 lb (6.0 kg)	9.8 lb (4.5 kg)
Bung Adapter Thread Size	1.5 - 11.5 npsm and 2 - 11.5 npsm	1.5 - 11.5 npsm and 2 - 11.5 npsm
Wetted Parts	303, 18-8 and 304 sst	303, 18-8 and 304 sst

TWISTORK™ HELIX MIXER

- Air-operated with a variable-speed, 1.5 HP motor, capable of 7 bar (100 psi, 0.7 MPa) maximum working pressure
- Available in carbon steel and stainless steel
- Built for long-life, corrosion-resistance and structural integrity
- 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
- Option for agitator speed control



ORDERING INFORMATION

Transfer pumps and agitators

SUPPLY PUMPS WITH DRUM RISER TUBE

256200	T1 2:1 ratio piston pump for higher viscosity materials, 360 psi max fluid psi, 2.5 gpm @ 100 cpm
295616	T2 2:1 ratio piston pump for higher viscosity materials, 405 psi max fluid psi, 5.0 gpm @ 100 cpm
26A304	T3 (stainless steel) 3:1 ratio piston pump for higher viscosity materials, 315 psi max fluid psi, 4.5 gpm @ 100 cpm
24Z834	T3 (carbon steel) 3:1 ratio piston pump for higher viscosity materials, 315 psi max fluid psi, 4.5 gpm @ 100 cpm
246654	Triton 308 diaphragm pump, aluminum, 3/8 in fluid outlet, 115psi max air inlet, 2.0 gpm @ 60 cpm, 1.7 cfm per gpm
246366	Husky 515 diaphragm pump, acetal bolted design, 100 psi max air inlet, 7.5 gpm @ 60 cpm, 3 cfm per gpm
246367	Husky 716 diaphragm pump, aluminum clamped design, 100 psi max air inlet, 7.5 gpm @ 60 cpm, 3 cfm per gpm
246368	Husky 1050 diaphragm pump for trailer mounts – aluminum, bolted, wall mount, 125 psi max air inlet, 9 gpm @ 60 cpm
248825	5:1 Monark® drum pump, for high viscosity materials, 900 psi max fluid psi, 10 ft (3 m) hose, 3/4 npt (m), air regulator, manua

TWO SUPPLY PUMPS WITH FLUID PLUMBING

247956	T1 pumps with supply hoses
246898	T2 pumps with supply hoses
24Z988	T3 (stainless steel) pumps with supply hoses
25D296	T3 (carbon steel) pumps with supply hoses
246677	Triton 308 (246654), 10 ft x 3/4 in (3 m x 19 mm) supply hose
246481	Husky 515 (246366), 10 ft x 3/4 in (3 m x 19 mm) supply hose
246482	Husky 716 (246367), 10 ft x 3/4 in (3 m x 19 mm) supply hose
246676	Husky 1050 (246368), 10 ft x 3/4 in (3 m x 19 mm) supply hose, 6 ft x 3/4 in (1.8 m x 19 mm) suction hose

COMPLETE SUPPLY PUMP SYSTEMS

(Includes two pumps, all air and fluid fittings and hoses for both pumps)

247955	Complete T1 (247956) supply pump system
246081	Complete T2 (246898) supply pump system
24Z987	Complete T3 (stainless steel) supply pump system
25D295	Complete T3 (carbon steel) supply pump system
246655	Complete Triton® 308 (246677) supply pump system
246369	Complete Husky™ 515 (246481) supply pump system
246375	Complete Husky 716 (246482) supply pump system
246376	Complete Husky 1050 (246676) supply pump system

SUPPLY PUMP ACCESSORIES

246419	55 gal (208 l) feed pump tube with inlet ball check
246477	3/4 in (19 mm) bung return tube with air dryer port
246483	Air distribution kit, 120 psi (8.4 bar, 0.84 MPa) for two feed pumps and a Fusion gun
247616	Desiccant dryer kit
246978	Reactor manifold circulation kit with return tubes, return fluid lines and dryers
15C381	Desiccant replacement
24N451	T2/T3 pump tote extender
26C589	T3 tapered lower conversion kit
25B395	PKG Kit, Bung adapter, easy removal, SST, for use with T2 and T3 pumps

AGITATORS

26C150	Expandable blade mixer, extended shaft, high viscosity, up to 2000 centipoise
26C818	Expandable blade mixer, extended shaft, low viscosity, up to 1000 centipoise
17V342	Extended shaft and blade kit or retrofit existing agitators
248824	Twistork CS, air-operated (224854), 1-1/2 HP, 37.3 in (0.9 m) with air hose
24G621	Agitator speed control

INDEPENDENT PLUG-IN HEATED HOSE

Heated hose solution for portable spray systems

Heates Hose Solution for portable Spray Systems

The Graco Independent Plug-in Heated Hose provides hose heat in a stand-alone system that can be plugged into a standard 120V or 240V outlet. Available in 15 m (50 ft), 30 m (100 ft) or 45 m (150 ft) continuous lengths, you now have total control for reliable, fast, controlled heat to meet your application needs. An ideal solution for Graco Reactor E-10, E10hp and E-8p models.



Be More Productive

- At the start of the day, heated hoses get you running quicker without having to recirculate your hose material to get up to temperature.
- Heated hoses maintain chemical temperatures even when you are not spraying, so no need to put the machine in “recirc-mode” every time you set the gun down.
- Eliminates the recirculation hose bundle, removing two hoses from the bundle, making the hose lighter weight and more flexible.



Better Chemical Yield

- Maintains chemical temperature in hose when not spraying reassuring no cold material is being sprayed allowing for better yield.
- Uses a Fluid Temperature Sensor (FTS) to accurately monitor and maintain desired temperature.
- Adjustable temperature control allows you to select the desired temperature up to 70°C.
- 20 degree Delta T for every 15 meter.
* Depending on the hose length and voltage, you can get between 20-60°F Delta T while spraying.
* Delta T performance is dependant on many factors, actual Delta T may vary.



Extend Your Spray Season

- Heated hoses extend the spray season into the colder months without worrying about alternative ways of keep the chemical warm.
- For chemicals typically sprayed at room temperature (21°C) the heated hose allows you to keep spraying even when ambient temperatures are less than ideal.

Heates Hose Ordering Information

Add the Graco Independent Plug-in Heated Hose as an accessory to your portable system. The hose can be retrofit on any Graco portable system

in the field, or can be used independently for other applications where a heated hose may be beneficial.

How to order – two simple steps:

Step 1: Pick your hose length in the desired voltage

Determine length of hose, 15 m., 30 m. or 45 m. and voltage, 120V or 240V. It is important to note that you cannot add hose lengths together. All hoses must be used with a whip hose.

Hose part number	Hose length	Volts	Amps	Watts/hose set	Delta T @ 0.5 Gpm*	Rated hose pressure
26C013	15 m (50 ft)	120	12	13	11°C (20 F)	210 bar (3000 psi)
26C014	30 m (100 ft)	120	12	6	11°C (20 F)	210 bar (3000 psi)
26C015	15 m (50 ft)	240	6	13	11°C (20 F)	210 bar (3000 psi)
26C016	30 m (100 ft)	240	12	13	22°C (40 F)	210 bar (3000 psi)
26C017	45 m (150 ft)	240	16	13	33°C (60 F)	210 bar (3000 psi)

*Delta T performance is dependant on many factors, actual Delta T may vary.

Step 2: Pick the controller kit that will work with your hose voltage and Graco machine

Determine which sprayer you will be using: E-10, E-10hp, or E-8p, and match the voltage of the controller with the voltage of the hose you choose. (The voltage of the hoses and controller do not have to match the voltage of the machine.)

Controller kits	Machine	Volts	Temp units
25M750*	E-8p	120	F
25M751*	E-10/E-10hp	120	F
25M752*	E-8p	240	F
25M753*	E-10/E-10hp	240	F
25M754*	E-8p	240	C
25M755*	E-10/E-10hp	240	C

*Kits include: the controller, machine install kit, FTS, and whip hose





OUR BRAND PROMISE TO YOU

Since 1926, **innovation**, **quality** and **A+ Service** have been at the centre of Graco.

Experience Innovation

Our focus on innovation results in products and equipment that lead the industry with technologically-advanced features, pioneering design, high performance and unparalleled reliability. In short, innovation is how you get better products!

Building Quality

You're investing in high-quality products built to last for years of reliable service. Moreover, we partner with our customers to better understand how you're deploying our products in the field, then use your experiences to improve performance and durability.



A+ service, every time

You'll see A+ Service in action when you contact any of our support services options no matter where you are in the world. We'll listen to your situation and work methodically to resolve it as quickly as we can. We are guided by a mindset of integrity and a customer service view centred on collaboration and relationships, not transactions.



We're here to answer questions and help address your needs:

www.graco.com/contact

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