For Spray Foam and Coatings Equipment

Reactor®
Hoses, Guns
and Accessories

For Spray Foam and Coatings Equipment
• 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 upwards of 30,000 gallons of material before it was approved for production.

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 your future. Trust only genuine Graco parts.

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

After spending the same amount of time submerged 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

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.

1. SELECT A SYSTEM
   Choose an air, electric or hydraulic model.
   **KEY FEATURES:**
   - Optional data reporting capabilities
   - Foam models rated at 2000 psi (138 bar, 13.8 MPa)
   - Coatings models rated up to 3500 psi (240 bar, 24.0 MPa)

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

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 ID.

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
   **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. Available choices include expandable blade and Twistork.

For information regarding Graco Reactors, see 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 misapplied material caused by off-ratio spraying
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.


View the complete White Paper at www.graco.com/RAWP
Ratio Assurance Ordering Information

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 (2018 and older)
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 (generation 2)
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
The latest Reactor 2 models come with the Reactor App hardware included. If your Reactor 2 model did not come with the Reactor App hardware, consider adding an app kit to improve your productivity and revenue for your business.
Reactor App

Take control of your business

The Reactor 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.

*Features available in United States and Canada only.
Reactor App 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)

Report Examples

EX 1: Reactor Summary Report Sample

<table>
<thead>
<tr>
<th>IMEI</th>
<th>Reactor Name</th>
<th>Cycle Count</th>
<th>Material Usage (gallons)</th>
<th>Power On Time (hours)</th>
<th>Actual Spray Time (hours)</th>
<th>Productivity (gallons/hour)</th>
<th>Machine Utilization</th>
<th>Days of Use</th>
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<tbody>
<tr>
<td>1111111111111111</td>
<td>Graco #1</td>
<td>3208</td>
<td>203.3</td>
<td>29.0</td>
<td>10.5</td>
<td>7.0</td>
<td>38%</td>
<td>5</td>
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<tr>
<td>2222222222222222</td>
<td>Graco #2</td>
<td>2884</td>
<td>100.1</td>
<td>11.8</td>
<td>8.6</td>
<td>8.6</td>
<td>40%</td>
<td>3</td>
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<tr>
<td>3333333333333333</td>
<td>Graco #3</td>
<td>2922</td>
<td>172.2</td>
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<td>8.6</td>
<td>8.2</td>
<td>37%</td>
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<td>2365</td>
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<td>5.6</td>
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<td>5555555555555555</td>
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<td>1248</td>
<td>127.3</td>
<td>5.7</td>
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<td>12765</td>
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<td>161.1</td>
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EX 2: Ratio Detail Report Sample

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<th>IMEI</th>
<th>Reactor Name</th>
<th>Start Date</th>
<th>End Date</th>
<th>Material Usage A+B (gallons)</th>
<th>Avg Ratio</th>
<th>Ratio Range</th>
<th>Temp A Setpoint (°F)</th>
<th>Temp A Avg (°F)</th>
<th>Temp B Setpoint (°F)</th>
<th>Temp B Avg (°F)</th>
<th>Pressure Setpoint (psi)</th>
<th>Pressure A and B (psi)</th>
<th>Days of Use</th>
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<tr>
<td>387520072734862</td>
<td>Graco app simulator</td>
<td>1/28/19</td>
<td>1/28/19</td>
<td>116</td>
<td>0.99 - 1</td>
<td>1.02:1</td>
<td>74 - 75</td>
<td>75</td>
<td>74 - 75</td>
<td>75</td>
<td>1280 - 1280</td>
<td>1280 - 1280</td>
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<td>1.04:1</td>
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<td>387520076060785</td>
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<td>1/28/19</td>
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<td>0.99:1</td>
<td>1.08:1</td>
<td>125</td>
<td>125</td>
<td>125</td>
<td>125</td>
<td>1150</td>
<td>1149</td>
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</table>

EX 3: Ratio Graph Report Sample

Reactors App Ordering Information

North America Kits (4G cell module)
- 25E656 Reactor 2 Retrofit Kit – Electric/Hydraulic Systems
- 25E657 Reactor 2 Retrofit Kit – Integrated Systems (E-30i, E-XP2i)

Worldwide Kits (3G cell module)
- 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

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

Reactors 2 machines can now control hose temperature using resistance control mode (RCM). 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-to-day 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.
### Heated Hose Ordering Information

#### Hose Scuff Guard Kits
- **25M493**: Xtreme-Wrap for 50 ft hose section
- **25M494**: Xtreme-Wrap for 10 ft hose section
- **25M495**: Joint Protector
- **246077**: 10 ft (3 m) braided polyester mesh scuff guard
- **246805**: 25 ft (7.6 m) braided polyester mesh scuff guard
- **246078**: 50 ft (15 m) braided polyester mesh scuff guard
- **246456**: 50 ft (15 m) polyethylene scuff guard

#### Whip Hoses
- **246050**: LP 1/4 in x 10 ft (6.3 mm x 3 m), Xtreme-Wrap Scuff Guard
- **246055**: HP 1/4 in x 10 ft (6.3 mm x 3 m), scuff guard
- **246056**: HP 3/8 in x 10 ft (9.5 mm x 3 m), scuff guard
- **258701**: XHP 1/4 in x 10 ft (6.3 mm x 3 m), scuff guard

##### Low Pressure, 2000 psi (138 bar, 13.8 Mpa) 1/4 in (6.3 mm) diameter
- **246048**: LP 1/4 in x 25 ft (6.3 mm x 7.6 m), Thermocouple
- **249587**: LP 1/4 in x 25 ft (6.3 mm x 7.6 m), Ground Wire
- **246045**: LP 1/4 in x 50 ft (6.3 mm x 15 m), Thermocouple
- **246074**: LP 1/4 in x 50 ft (6.3 mm x 15 m), Ground Wire

##### Low Pressure, 2000 psi (138 bar, 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
- **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

##### High Pressure, 3500 psi (240 bar, 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
- **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, 3500 psi (240 bar, 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
- **24N004**: HP 1/2 in x 50 ft (12.7 mm x 15m), RTD and CAN with Xtreme-Wrap Scuff Guard

##### Extra High Pressure, 5000 psi (345 bar, 34.5 Mpa) 3/8 in (9.5 mm) diameter
- **261332**: XHP 3/8 in x 25 ft (9.5 mm x 7.6 mm), Ground Wire
- **282203**: XHP 3/8 in x 50 ft (9.5 mm x 15 m), Thermocouple
- **248908**: XHP 3/8 in x 50 ft (9.5 mm x 15 m), Thermocouple with no air line

#### Hose Accessories
- **24K207**: FTS Kit with Resistance Temperature Detector
- **24N450**: 50 ft (15 m) Resistance Temperature Detector Cable
- **261669**: FTS Kit with Thermocouple
- **24J523**: 50 ft (15 m) Thermocouple Cable
### Graco Guns - Technical Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Liquid-Purge</th>
<th>Air-Purge</th>
<th>Mechanical-Purge</th>
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<tbody>
<tr>
<td></td>
<td>FUSION CS</td>
<td>FUSION AP</td>
<td>P2</td>
</tr>
<tr>
<td>Max Output</td>
<td>25 lb/min (11.3 kg/min)</td>
<td>50 lb/min (22.7 kg/min)</td>
<td>40 lb/min (18 kg/min)</td>
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<tr>
<td>Min Output</td>
<td>&lt;1 lb/min (&lt;0.45 kg/min)</td>
<td>3 lb/min (1.4 kg/min)</td>
<td>3 lb/min (1.4 kg/min)</td>
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<td>Max Working Fluid Pressure</td>
<td>220°F (93°C)</td>
<td>220°F (93°C)</td>
<td>220°F (93°C)</td>
</tr>
<tr>
<td>Max Fluid Temperature</td>
<td>200°F (93°C)</td>
<td>200°F (93°C)</td>
<td>200°F (93°C)</td>
</tr>
<tr>
<td>Weight (with manifold)</td>
<td>2 lb (0.9 kg)</td>
<td>2 lb (0.9 kg)</td>
<td>2 lb (0.9 kg)</td>
</tr>
<tr>
<td>Gun Dimensions</td>
<td>6.9 x 8.7 x 3.5 in (17.6 x 22.1 x 8.9 cm)</td>
<td>6.9 x 8.7 x 3.5 in (17.6 x 22.1 x 8.9 cm)</td>
<td>7.8 x 8.1 x 3.1 in (19.8 x 20.6 x 7.9 cm)</td>
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<tr>
<td>Instruction Manual</td>
<td>357101</td>
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<td>357101</td>
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<td>Applications</td>
<td>Residential foam insulation, roofing, other polyurethane foams and elastomeric coatings</td>
<td>Residential foam insulation, roofing, concrete, waterproofing and other polyurethane foams and elastomeric coatings</td>
<td>Residential foam insulation, roofing, concrete, waterproofing and other polyurethane foams and elastomeric coatings</td>
</tr>
</tbody>
</table>
Fusion® CS with ClearShot™ Technology

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.
### Fusion CS Ordering Information

#### Fusion CS Gun, Round
- **CS20RD**: RD2020 (000) round mix chamber (.020 orifice size)
- **CS00RD**: RD0000 (000) round mix chamber (.029 orifice size)
- **CS01RD**: RD0101 (01) round mix chamber (.042 orifice size)
- **CS02RD**: RD0202 (02) round mix chamber (.062 orifice size)
- **CS03RD**: RD0303 (03) round mix chamber (.083 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 Parts
- **256385**: ClearShot Liquid Cartridges - pack of 25
- **256386**: ClearShot Liquid Cartridges - pack of 50
- **256387**: ClearShot Liquid Cartridges - pack of 100
- **117773**: Fusion grease (248280 - pack of 10)
- **118665**: Fusion lube (248279 - pack of 10)
- **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
- **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
- **256467**: Polycarb alloy seals kit,pack of 2
- **256468**: Hose manifold check O-rings kit
- **256471**: Fluid housing O-ring kit
- **256472**: Back cap O-ring kit
- **256467**: Side seal O-rings - pack of 6
- **256468**: Side seal housing O-rings - pack of 6
- **256489**: Polycarb alloy 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
- **256568**: 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

#### Fusion CS Parts - continued
- **258896**: 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
- **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**: Polycarb alloy 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
- **257427**: Check valve housing (ISO) - pack of 10
- **257428**: Check valve housing (resin) - pack of 10

#### Fusion CS Mix Chamber Kits
- **24X573**: Fusion CS Parts Kit, complete with refillable case
- **256922**: Fusion CS 2222 wide mix chamber kit
- **257420**: Fusion CS 2422 flat mix chamber kit
- **257421**: Fusion CS 2424 flat mix chamber kit
- **257422**: Fusion CS 5252 round mix chamber kit
- **257423**: Fusion CS 2929 round mix chamber kit
- **257424**: Fusion CS 4242 round mix chamber kit
- **257425**: Fusion CS 5225 round mix chamber kit
- **257426**: Fusion CS 5757 wide mix chamber kit
- **257427**: Fusion CS 6060 wide mix chamber kit
- **257428**: Fusion CS 6222 wide mix chamber kit
- **257429**: Fusion CS 6222 wide mix chamber kit
- **257430**: Fusion CS 6060 wide mix chamber kit
- **257431**: Fusion CS 5225 round mix chamber kit
- **257432**: Fusion CS 5252 round mix chamber kit
- **257433**: Fusion CS 5757 wide mix chamber kit
- **257434**: Fusion CS 6060 wide mix chamber kit
- **257435**: Fusion CS 6222 wide mix chamber kit
- **257436**: Fusion CS 6060 wide mix chamber kit
- **257437**: Fusion CS 5225 round mix chamber kit
- **257438**: Fusion CS 5757 wide mix chamber kit

#### 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)
Air Purge Guns

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

- **Check Valves with Screens**
  - Cartridge design for easy maintenance

- **Hand Tightened Front Cap**
  - Clean and maintain seals and mix chamber without tools

- **Cyclone-Mix™ Chamber**
  - Precision machined, hardened stainless steel construction for longer life

- **Chrome-X Coated Mix Chambers and Side Seals**
  - Chrome-X coated mix chambers and side seals are available providing superior wear and corrosion resistance for longer life and less frequent replacement. Part numbers available on page 16.
  - *New guns ship with standard mix chambers and side seals.*

- **Durable Side Seals**
  - Rugged stainless steel or PolyCarbolloy construction for longer life

- **Quick-Release Fluid Housing**
  - Easily change mix chambers without tools

- **Variable Flow Cap**
  - The variable flow cap allows you to quickly change the output of the gun without changing the mix chamber. The cap provides 10 different flow settings ranging from full output to a limited stream of material. Part number 250632.
  - *Not included with gun, can be added separately as an accessory.*

- **Air Piston**
  - Powerful on/off actuation

- **Safety Stop**
  - Manual on/off

- **Ergonomic Handle**
  - Smooth curved handle improves operator comfort and reduces fatigue
## Fusion Air Purge (AP) Ordering Information

### Fusion AP Guns, Round

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>246099</td>
<td>AR2020 (000) mix chamber (.020 orifice size)</td>
</tr>
<tr>
<td>246100</td>
<td>AR2929 (00) mix chamber (.029 orifice size)</td>
</tr>
<tr>
<td>248617</td>
<td>AR3737 mix chamber, (.037 orifice size)</td>
</tr>
<tr>
<td>246101</td>
<td>AR4242 (01) mix chamber (.042 orifice size)</td>
</tr>
<tr>
<td>246102</td>
<td>AR5252 (02) mix chamber (.052 orifice size)</td>
</tr>
<tr>
<td>246103</td>
<td>AR6060 (03) mix chamber (.060 orifice size)</td>
</tr>
<tr>
<td>246104</td>
<td>AR7070 (04) mix chamber (.070 orifice size)</td>
</tr>
<tr>
<td>246105</td>
<td>AR8686 (05) mix chamber (.086 orifice size)</td>
</tr>
<tr>
<td>246581</td>
<td>AR8693 (00) wide round pattern</td>
</tr>
<tr>
<td>249529</td>
<td>AW3939 (01) wide round pattern</td>
</tr>
<tr>
<td>249530</td>
<td>AW4646 (02) wide round pattern</td>
</tr>
</tbody>
</table>

### Side Seals

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>25N571</td>
<td>Kit, A cartridge - Chromex</td>
</tr>
<tr>
<td>25N572</td>
<td>Kit, B cartridge - Chromex</td>
</tr>
<tr>
<td>25N573</td>
<td>Kit, side seal, Qty 2 - Chromex</td>
</tr>
</tbody>
</table>

### Mix Chambers, Round - Chromex-X

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR20CX</td>
<td>(000) mix chamber (.020 orifice size)</td>
</tr>
<tr>
<td>AR29CX</td>
<td>(00) mix chamber (.029 orifice size)</td>
</tr>
<tr>
<td>AR37CX</td>
<td>Mix chamber (.037 orifice size)</td>
</tr>
<tr>
<td>AR42CX</td>
<td>(01) mix chamber (.042 orifice size)</td>
</tr>
<tr>
<td>AR47CX</td>
<td>Mix chamber (.047 orifice size)</td>
</tr>
<tr>
<td>AR52CX</td>
<td>(02) mix chamber (.052 orifice size)</td>
</tr>
<tr>
<td>AR60CX</td>
<td>(03) mix chamber (.060 orifice size)</td>
</tr>
<tr>
<td>AR70CX</td>
<td>(04) mix chamber (.070 orifice size)</td>
</tr>
<tr>
<td>AR86CX</td>
<td>(05) mix chamber (.086 orifice size)</td>
</tr>
</tbody>
</table>

### Side Seals

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2SN571</td>
<td>Kit, A cartridge - Chromex</td>
</tr>
<tr>
<td>2SN572</td>
<td>Kit, B cartridge - Chromex</td>
</tr>
<tr>
<td>2SN573</td>
<td>Kit, side seal, Qty 2 - Chromex</td>
</tr>
</tbody>
</table>

### Mix Chambers, Wide Round

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AW2222</td>
<td>50% wider pattern, compares to AR2020</td>
</tr>
<tr>
<td>AW2828</td>
<td>50% wider pattern, compares to AR2929</td>
</tr>
<tr>
<td>AW3333</td>
<td>50% wider pattern, compares to AR3737</td>
</tr>
<tr>
<td>AW3939</td>
<td>50% wider pattern, compares to AR4242</td>
</tr>
<tr>
<td>AW4646</td>
<td>50% wider pattern, compares to AR5252</td>
</tr>
<tr>
<td>AW5757</td>
<td>50% wider pattern, compares to AR6060</td>
</tr>
<tr>
<td>AW6664</td>
<td>50% wider pattern, compares to AR7070</td>
</tr>
</tbody>
</table>

### Fusion AP Gun, Flat

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>247101</td>
<td>AF2020 mix chamber with FT0424 flat tip</td>
</tr>
<tr>
<td>247102</td>
<td>AF2020 mix chamber with FT0438 flat tip</td>
</tr>
<tr>
<td>247103</td>
<td>AF2020 mix chamber with FT0624 flat tip</td>
</tr>
<tr>
<td>247104</td>
<td>AF2020 mix chamber with FT0638 flat tip</td>
</tr>
<tr>
<td>247107</td>
<td>AF2020 mix chamber with FT0838 flat tip</td>
</tr>
<tr>
<td>247108</td>
<td>AF2020 mix chamber with FT0848 flat tip</td>
</tr>
</tbody>
</table>

### Fusion Specialty Guns

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>248408</td>
<td>Fusion AP spatter/adhesive manual gun</td>
</tr>
<tr>
<td>248597</td>
<td>Manual Fusion solvent-purge gun</td>
</tr>
</tbody>
</table>

### Automatic Fusion

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>115807</td>
<td>4-way solenoid valve, 24 volt DC</td>
</tr>
</tbody>
</table>

### Gun Parts and Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>248376</td>
<td>Auto Fusion AP, round, AR3737</td>
</tr>
<tr>
<td>248377</td>
<td>Auto Fusion AP, round, AR4242</td>
</tr>
<tr>
<td>248378</td>
<td>Auto Fusion AP, round, AR5252</td>
</tr>
<tr>
<td>248379</td>
<td>Auto Fusion AP, round, AR6060</td>
</tr>
</tbody>
</table>

### Replacement Parts Kit

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>248489</td>
<td>Fusion AP Parts Kit, complete - refillable case</td>
</tr>
</tbody>
</table>
Air Purge 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 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 prevent the liquid portion from infiltrating the dry side of the gun.
Probler P2 Ordering Information

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

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
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
GC1966  P2 delayed air purge gun assembly
GC1967  P2 dispense counter assembly
GC1968  P2 stroke signal tee counter
GC2494  P2 seal kit
GC2495  P2 seal housing kit
GC2496  P2 04 mesh filter kit
GC2497  P2 00 mesh filter kit
GC2498  P2 side seal kit
GC2499  P2 handle kit

Probler P2 Gun Parts and Accessories - continued
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
GC2506  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
GC2516  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
Fusion® Mechanical Purge (MP) Gun – Designed for superior mixing

The advanced mix module and tip design of the Fusion MP gun provide excellent mix and material properties while significantly reducing repair and maintenance costs. It will handle very low output (thin mil applications) to large, high flow, high output applications just by changing the mix module and tip.
Fusion Mechanical Purge (MP) Ordering Information

Fusion MP 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, FTM348
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, FTM348
247067 Fusion MP direct impingement, flat pattern XF2929, FTM624
247073 Fusion MP direct impingement, flat pattern XF3535, FTM348
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, FTM638
247082 Fusion MP direct impingement, flat pattern XF4747, FTM666
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 XF2323, FTM438

Fusion MP 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, FTM348
247266 Fusion MP standard, flat pattern MF2929, FTM424
247267 Fusion MP standard, flat pattern MF2929, FTM624
247273 Fusion MP standard, flat pattern MF3535, FTM348
247274 Fusion MP standard, flat pattern MF3535, FTM624
247275 Fusion MP standard, flat pattern MF3535, FTM638
247281 Fusion MP standard, flat pattern MF4747, FTM638
247282 Fusion MP standard, flat pattern MF4747, FTM666
247283 Fusion MP standard, flat pattern MF4747, FTM838
247289 Fusion MP standard, flat pattern MF5757, FTM638
247290 Fusion MP standard, flat pattern MF5757, FTM666
247291 Fusion MP standard, flat pattern MF5757, FTM848

Fusion MP Guns, DI, Round
247003 Fusion MP direct impingement, round pattern XR2323, RTM040
247006 Fusion MP direct impingement, round pattern XR2329, RTM030
247007 Fusion MP direct impingement, round pattern XR2329, RTM040
24711 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
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 MP 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 MP 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
XF1318 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

Kit, flat tip, mechanical-purge, 6 in (152 mm) pattern, very low flow
Kit, flat tip, mechanical-purge, 8 in (203 mm) pattern, low flow
Kit, flat tip, mechanical-purge, 8 in (203 mm) pattern, medium flow
Kit, flat tip, mechanical-purge, 12 in (305 mm) pattern, low flow
Kit, flat tip, mechanical-purge, 12 in (305 mm) pattern, medium flow
Kit, flat tip, mechanical-purge, 16 in (406 mm) pattern, medium flow
Kit, flat tip, mechanical-purge, 16 in (406 mm) pattern, high flow

Fusion MP 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, 3 in (76 mm)
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

Fusion MP Replacement Parts Kit
24X572 Fusion MP Parts Kit, complete with refillable case
Mechanical Purge Guns

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, 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
296388 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
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

GX-7 Mix Module Kits
296868 Module, A5 pour
296889 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 0-rings

GX-7 DI Mix Module Kits
296900 Fan module #2
296901 Fan module #4
296903 Fan module #5

GX-7 400 Mix Module Kits
296865 Round module 402
296884 Round module 402, pack of 12
296859 Fan module 451
296860 Fan module 451, pack of 12
296868 Fan module 452
296867 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

D-Gun
295530 D-Gun 55 mix chamber
295531 D-Gun 55 mix chamber recirc
295532 D-Gun 62 mix chamber
295533 D-Gun 70 mix chamber

D-Gun Parts and Accessories
296584 Mix chamber 46, L300
296585 Mix chamber 46, L-810
296586 Mix chamber 55, L
296587 Mix chamber 55, L
296588 Mix chamber 70, L
296594 Mix Chamber 46, N-800
296595 Mix chamber 46, N-810
296597 Mix chamber 55, N
296598 Mix chamber 62, N
296599 Mix chamber 70, N
296600 Mix chamber 78, N
296578 Valving Rod D-Gun 46
296579 Valving Rod D-Gun 55
296580 Valving Rod D-Gun 62
296581 Valving Rod D-Gun 70
296582 Valving Rod D-Gun 78
296634 Air Cap, D-Gun 55/62
296635 Air Cap, D-Gun 70/78
296638 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 tip kit, pack of 5
296125 Air valve repair kit
296725 Air cylinder seal kit
296814 Check Valve, A, D-Gun, pack of 10
296815 Check Valve, R, D-Gun, pack of 10

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 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

<table>
<thead>
<tr>
<th>Gun</th>
<th>Mix Chamber/Tip</th>
<th>Pattern at 24 in (61 cm) from target</th>
<th>Polyurethane in GPM @ 2000 psi</th>
<th>Foam in GPM @ 1000 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fusion CS Round</td>
<td>CS00RD</td>
<td>R20020</td>
<td>5 in (127 mm)</td>
<td>0.5 gpm</td>
</tr>
<tr>
<td></td>
<td>CS05RD</td>
<td>R20005</td>
<td>4 in (102 mm)</td>
<td>1.0 gpm</td>
</tr>
<tr>
<td></td>
<td>CS10RD</td>
<td>R20010</td>
<td>11 in (279 mm)</td>
<td>1.6 gpm</td>
</tr>
<tr>
<td></td>
<td>CS20RD</td>
<td>R20020</td>
<td>12 in (305 mm)</td>
<td>2.4 gpm</td>
</tr>
<tr>
<td></td>
<td>CS25RD</td>
<td>R20030</td>
<td>14 in (356 mm)</td>
<td>NA</td>
</tr>
</tbody>
</table>

**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
  - AW = Air (purge) Flat Mix Chamber
  - FT = Flat Tip (air-purge)
- Fusion MP:
  - MR = Mechanical (purge) Round Mix Chamber
  - XR = Direct Impinge Round Mix Chamber
  - MF = Mechanical (purge) Flat
  - XF = Flat Tip Mechanical (purge)
- Chamber/orifice conversion
  - Use this conversion chart to convert the chamber size to the orifice size.

<table>
<thead>
<tr>
<th>Chamber Size</th>
<th>Orifice Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>000</td>
<td>.020</td>
</tr>
<tr>
<td>00</td>
<td>.029</td>
</tr>
<tr>
<td>01</td>
<td>.042</td>
</tr>
<tr>
<td>02</td>
<td>.052</td>
</tr>
<tr>
<td>03</td>
<td>.060</td>
</tr>
<tr>
<td>04</td>
<td>.070</td>
</tr>
<tr>
<td>05</td>
<td>.086</td>
</tr>
</tbody>
</table>

**Gun Mix Chamber/Tip**
- Fusion CS or Fusion AP Flat Tip
- Tip Orifice Size = .038 in
- Fan Pattern Width = 8 in (double this number)

**Part Number Examples**
- **FT0438**
  - Fusion CS or Fusion AP Flat Tip
- **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
  - Second 42 = "B" (RES) Orifice Size = .042
- **FTM424**
  - Fusion MP Flat Mix Chamber
  - Fan Pattern Width = 8 in (double this number)
  - Tip Orifice Size = .024 in
- **RTM030**
  - Fusion MP Round Mix Chamber
  - Fan Pattern Width = 8 in (double this number)
  - Tip Orifice Size = .030 in
- **MR 2929**
  - Fusion MP Mechanical Round Mix Module
  - First 29 = "A" (ISO) Orifice Size = .029
  - Second 29 = "B" (RES) Orifice Size = .029
Transfer Pumps and Agitator Kits

Graco’s family of transfer pumps maintain performance in any environment. Transfer pumps are required to feed chemical to your Reactor spray machine or any other equipment requiring fluid transfer. Consider your material viscosities, desired output rate, interior ceiling height of your rig, and available air pressure when choosing your ideal pump.

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 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

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.

## Transfer Pump Technical Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Ratio</th>
<th>Maximum Output – Air Pressure</th>
<th>Maximum Output – Fluid Pressure</th>
<th>Maximum Ambient Temp</th>
<th>Maximum Fluid Temp</th>
<th>Weight</th>
<th>Height</th>
<th>Manual Number</th>
<th>Wetted Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>2:1</td>
<td>2.5 gpm (9.5 lpm)</td>
<td>180 psi (12 bar, 1.2 MPa)</td>
<td>360 psi (25 bar, 2.5 MPa)</td>
<td>120°F (49°C)</td>
<td>18 lb</td>
<td>51.5 in</td>
<td>312766</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>T2</td>
<td>2.25:1</td>
<td>5.0 gpm (19 lpm)</td>
<td>180 psi (12 bar, 1.2 MPa)</td>
<td>405 psi (28 bar, 2.8 MPa)</td>
<td>120°F (49°C)</td>
<td>21 lb</td>
<td>54 in</td>
<td>311882</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>T3 SST</td>
<td>3:1</td>
<td>4.5 gpm (17 lpm)</td>
<td>100 psi (6.8 bar, 0.68 MPa)</td>
<td>315 psi (21.7 bar, 2.17 MPa)</td>
<td>120°F (49°C)</td>
<td>22 lb</td>
<td>50.3 in</td>
<td>345180</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>T3 CS</td>
<td>3:1</td>
<td>4.5 gpm (17 lpm)</td>
<td>100 psi (6.8 bar, 0.68 MPa)</td>
<td>315 psi (21.7 bar, 2.17 MPa)</td>
<td>120°F (49°C)</td>
<td>22 lb</td>
<td>50.3 in</td>
<td>345180</td>
<td>Carbon Steel</td>
</tr>
</tbody>
</table>

## 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.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Max Working Pressure</th>
<th>Max Centipoise</th>
<th>Max Recommended Agitator Speed</th>
<th>Air Consumption at Air inlet pressure</th>
<th>Weight</th>
<th>Bung Adapter Thread Size</th>
<th>Wetted Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>26C150</td>
<td>100 psi (0.7 MPa, 7 bar)</td>
<td>2000 cps</td>
<td>500 rpm</td>
<td>22 scfm (0.62 m³/min)</td>
<td>13.3 lb (6.0 kg)</td>
<td>1.5 - 11.5 rpm and 2 - 11.5 rpm</td>
<td>303, 18-8 and 304 ssf</td>
</tr>
<tr>
<td>26C188</td>
<td>100 psi (0.7 MPa, 7 bar)</td>
<td>1000 cps</td>
<td>500 rpm</td>
<td>12 scfm (0.34 m³/min)</td>
<td>9.8 lb (4.5 kg)</td>
<td>1.5 - 11.5 rpm and 2 - 11.5 rpm</td>
<td>303, 18-8 and 304 ssf</td>
</tr>
</tbody>
</table>
Transfer Pumps and Agitator Kits Ordering Information

Supply Pumps with Drum Riser Tube

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>256200</td>
<td>T1 2:1 ratio piston pump for higher viscosity materials, 360 psi max fluid psi, 2.5 gpm @ 100 cpm</td>
</tr>
<tr>
<td>295616</td>
<td>T2 2:1 ratio piston pump for higher viscosity materials, 405 psi max fluid psi, 5.0 gpm @ 100 cpm</td>
</tr>
<tr>
<td>26A304</td>
<td>T3 (stainless steel) 3:1 ratio piston pump for higher viscosity materials, 315 psi max fluid psi, 4.5 gpm @ 100 cpm</td>
</tr>
<tr>
<td>24Z834</td>
<td>T3 (carbon steel) 3:1 ratio piston pump for higher viscosity materials, 315 psi max fluid psi, 4.5 gpm @ 100 cpm</td>
</tr>
<tr>
<td>246654</td>
<td>Triton 308 diaphragm pump, aluminum, 3/8 in fluid outlet, 115 psi max air inlet, 2.0 gpm @ 60 cpm, 1.7 cfm per gpm</td>
</tr>
<tr>
<td>246366</td>
<td>Husky 515 diaphragm pump, acetal bolted design, 100 psi max air inlet, 7.5 gpm @ 60 cpm, 3 cfm per gpm</td>
</tr>
<tr>
<td>246367</td>
<td>Husky 716 diaphragm pump, aluminum clamped design, 100 psi max air inlet, 7.5 gpm @ 60 cpm, 3 cfm per gpm</td>
</tr>
<tr>
<td>246368</td>
<td>Husky 1050 diaphragm pump for trailer mounts – aluminum, bolted, wall mount, 125 psi max air inlet, 9 gpm @ 60 cpm</td>
</tr>
<tr>
<td>248825</td>
<td>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</td>
</tr>
</tbody>
</table>

Two Supply Pumps with Fluid Plumbing

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>247956</td>
<td>T1 pumps with supply hoses</td>
</tr>
<tr>
<td>246898</td>
<td>T2 pumps with supply hoses</td>
</tr>
<tr>
<td>242988</td>
<td>T3 (stainless steel) pumps with supply hoses</td>
</tr>
<tr>
<td>25D296</td>
<td>T3 (carbon steel) pumps with supply hoses</td>
</tr>
<tr>
<td>246677</td>
<td>Triton 308 (246654), 10 ft x 3/4 in (3 m x 19 mm) supply hose</td>
</tr>
<tr>
<td>246481</td>
<td>Husky 515 (246366), 10 ft x 3/4 in (3 m x 19 mm) supply hose</td>
</tr>
<tr>
<td>246482</td>
<td>Husky 716 (246367), 10 ft x 3/4 in (3 m x 19 mm) supply hose</td>
</tr>
<tr>
<td>246676</td>
<td>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</td>
</tr>
</tbody>
</table>

Complete Supply Pump Systems

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>247955</td>
<td>Complete T1 (247956) supply pump system</td>
</tr>
<tr>
<td>246081</td>
<td>Complete T2 (246898) supply pump system</td>
</tr>
<tr>
<td>242987</td>
<td>Complete T3 (stainless steel) supply pump system</td>
</tr>
<tr>
<td>25D295</td>
<td>Complete T3 (carbon steel) supply pump system</td>
</tr>
<tr>
<td>246655</td>
<td>Complete Triton® 308 (246677) supply pump system</td>
</tr>
<tr>
<td>246369</td>
<td>Complete Husky® 515 (246481) supply pump system</td>
</tr>
<tr>
<td>246375</td>
<td>Complete Husky 716 (246482) supply pump system</td>
</tr>
<tr>
<td>246376</td>
<td>Complete Husky 1050 (246676) supply pump system</td>
</tr>
</tbody>
</table>

Supply Pump Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>24619</td>
<td>55 gal (208 l) feed pump tube with inlet ball check</td>
</tr>
<tr>
<td>24677</td>
<td>3/4 in (19 mm) bung return tube with air dryer port</td>
</tr>
<tr>
<td>246483</td>
<td>Air distribution kit, 120 psi (8.4 bar, 0.84 MPa) for two feed pumps and a Fusion gun</td>
</tr>
<tr>
<td>247616</td>
<td>Desiccant dryer kit</td>
</tr>
<tr>
<td>246978</td>
<td>Reactor manifold circulation kit with return tubes, return fluid lines and dryers</td>
</tr>
<tr>
<td>15C381</td>
<td>Desiccant replacement</td>
</tr>
<tr>
<td>24N451</td>
<td>T2/T3 pump tote extender</td>
</tr>
<tr>
<td>26CS89</td>
<td>T3 tapered lower conversion kit</td>
</tr>
<tr>
<td>26A69PKG</td>
<td>Kit, Bung adapter, easy removal, SST, for use with T2 and T3 pumps</td>
</tr>
</tbody>
</table>

Agitators

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>26C150</td>
<td>Expandable blade mixer, extended shaft, high viscosity, up to 2000 centipoise</td>
</tr>
<tr>
<td>26C818</td>
<td>Expandable blade mixer, extended shaft, low viscosity, up to 1000 centipoise</td>
</tr>
<tr>
<td>17V342</td>
<td>Extended shaft and blade kit or retrofit existing agitators</td>
</tr>
<tr>
<td>224854</td>
<td>Twistor CS, air-operated, 1-1/2 HP, 37.3 in (0.9 m) length</td>
</tr>
<tr>
<td>235534</td>
<td>Twistor SST, air-operated, 1-1/2 HP, 37.3 in (0.9 m) length</td>
</tr>
<tr>
<td>236629</td>
<td>Twistor SST, air-operated with built-in return tube, 3/4 HP, 47.5 in (1.2 m) in length</td>
</tr>
<tr>
<td>248824</td>
<td>Twistor CS, air-operated (244854), 1-1/2 HP, 37.3 in (0.9 m) with air hose</td>
</tr>
<tr>
<td>246621</td>
<td>Agitator speed control</td>
</tr>
</tbody>
</table>
Independent Plug-in Heated Hose

Heated 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 160°F.
- 20 degree delta-T for every 50 feet. *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 (70°F) the heated hose allows you to keep spraying even when ambient temperatures are less than ideal.
Heated 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, 50 ft., 100 ft. or 150 ft. 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.

<table>
<thead>
<tr>
<th>HOSE PART NUMBER</th>
<th>HOSE LENGTH</th>
<th>VOLTS</th>
<th>AMPS</th>
<th>WATTS/FT</th>
<th>DELTA T @ 0.5 GPM*</th>
<th>RATED HOSE PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>26C013</td>
<td>50 ft</td>
<td>120</td>
<td>12</td>
<td>13</td>
<td>20 F</td>
<td>3000 psi</td>
</tr>
<tr>
<td>26C014</td>
<td>100 ft</td>
<td>120</td>
<td>12</td>
<td>6</td>
<td>20 F</td>
<td>3000 psi</td>
</tr>
<tr>
<td>26C015</td>
<td>50 ft</td>
<td>240</td>
<td>6</td>
<td>13</td>
<td>20 F</td>
<td>3000 psi</td>
</tr>
<tr>
<td>26C016</td>
<td>100 ft</td>
<td>240</td>
<td>12</td>
<td>13</td>
<td>40 F</td>
<td>3000 psi</td>
</tr>
<tr>
<td>26C017</td>
<td>150 ft</td>
<td>240</td>
<td>16</td>
<td>13</td>
<td>60 F</td>
<td>3000 psi</td>
</tr>
</tbody>
</table>

* 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.)

<table>
<thead>
<tr>
<th>CONTROLLER KITS</th>
<th>MACHINE</th>
<th>VOLTS</th>
<th>TEMP UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>25M750*</td>
<td>E-8p</td>
<td>120</td>
<td>F</td>
</tr>
<tr>
<td>25M751*</td>
<td>E-10/E-10hp</td>
<td>120</td>
<td>F</td>
</tr>
<tr>
<td>25M752*</td>
<td>E-8p</td>
<td>240</td>
<td>F</td>
</tr>
<tr>
<td>25M753*</td>
<td>E-10/E-10hp</td>
<td>240</td>
<td>F</td>
</tr>
<tr>
<td>25M754*</td>
<td>E-8p</td>
<td>240</td>
<td>C</td>
</tr>
<tr>
<td>25M755*</td>
<td>E-10/E-10hp</td>
<td>240</td>
<td>C</td>
</tr>
</tbody>
</table>

*Kits include: the controller, machine install kit, FTS, and whip hose
Graco Has You Covered
Facilities Worldwide for Global Support

Quality First
At Graco we pride ourselves on providing best-in-class products. Engineered solutions are manufactured in our own facilities, with the highest standards in the industry. We provide you with world-class customer support and expertise to help solve your application challenges.

Global Reach
Graco has facilities across the globe to provide you with the products and service you need, where you live. Plus, Graco has dedicated field experts in all areas of the world to support the products we sell.

Product Capabilities
Graco has a broad range of products that are engineered and tested to perform in the harshest environments so you can be certain your equipment is protected and working at peak performance.

Contact us today!
Call 866-361-5959 to talk with a Graco representative, or visit www.graco.com for more information.