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.

   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.
**Reactor Ratio Assurance System**

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
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.


<table>
<thead>
<tr>
<th>Category Type</th>
<th>Single-Point Variables</th>
<th>Reactor Detection Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air in fluid stream</td>
<td>Run away feed pump/Running out of chemical</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>Trapped air in the feed line and/or proportioner</td>
<td>NA</td>
</tr>
<tr>
<td>Undersized feed pump</td>
<td>Too large of a mix chamber being used</td>
<td>Best</td>
</tr>
<tr>
<td></td>
<td>Too high of proportioner pressure setting</td>
<td>Best</td>
</tr>
<tr>
<td></td>
<td>Too long of a trigger pull</td>
<td>Best</td>
</tr>
<tr>
<td>Poor material feed to proportioner</td>
<td>Cold material(s)</td>
<td>Best</td>
</tr>
<tr>
<td></td>
<td>Feed pump pressure set too low</td>
<td>Best</td>
</tr>
<tr>
<td></td>
<td>Damaged feed pump (seals, check ball, air motor)</td>
<td>Best</td>
</tr>
<tr>
<td></td>
<td>No feed pump pressure</td>
<td>Best</td>
</tr>
<tr>
<td></td>
<td>Plugging inlet filter</td>
<td>Best</td>
</tr>
<tr>
<td>Proportioner pump issue</td>
<td>Damaged proportioner pump foot valve ball/seat</td>
<td>Best</td>
</tr>
<tr>
<td></td>
<td>Damaged proportioner pump piston ball/seat</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>Damaged proportioner pump seal</td>
<td>NA</td>
</tr>
<tr>
<td>Fluid leaks</td>
<td>Leak between proportioner pump and flow meter</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>Leak in heated hose</td>
<td>NA</td>
</tr>
<tr>
<td>Restriction after flow meter</td>
<td>Blockage in heated hose, build-up on ID of hose(s) **</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>Plugged gun filter **</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>Gun impingement port plugging **</td>
<td>NA</td>
</tr>
</tbody>
</table>

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

Reactors 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
Reactor Connect Technology

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

Reactors Connect 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.
Reactor Connect 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

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<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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<tbody>
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<td>3206</td>
<td>203.3</td>
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<td>7.0</td>
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<td>Graco #2</td>
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<td>30%</td>
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<td>357520076060785</td>
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<td>2292</td>
<td>112.2</td>
<td>25.1</td>
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<td>8.6</td>
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<td>4</td>
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<tr>
<td>357520076061048</td>
<td>Graco #4</td>
<td>2305</td>
<td>177.2</td>
<td>31.7</td>
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<td>25%</td>
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</tr>
<tr>
<td>357520076061453</td>
<td>Graco #5</td>
<td>1248</td>
<td>92.3</td>
<td>5.7</td>
<td>2.8</td>
<td>16.2</td>
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<td>2</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>12785</td>
<td>715.6</td>
<td>34.3</td>
<td>7.1</td>
<td>34%</td>
<td>19</td>
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</tbody>
</table>
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EX 2: Ratio Detail Report Sample

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<table>
<thead>
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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>Avg Temp A (°F)</th>
<th>Temp B Setpoint (°F)</th>
<th>Avg Temp B (°F)</th>
<th>Pressure Setpoint (Psi)</th>
<th>Avg Pressure (Psi)</th>
<th>Avg Pressure A and B (Psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>357520072734862</td>
<td>Graco app simulator</td>
<td>1/28/19</td>
<td>1/28/19</td>
<td>116</td>
<td>101:1</td>
<td>1.05:1</td>
<td>74 - 75</td>
<td>74</td>
<td>74 - 75</td>
<td>74</td>
<td>1,280</td>
<td>1,280</td>
<td>1,100</td>
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<tr>
<td>357520076061048</td>
<td>Graco #1</td>
<td>1/28/19</td>
<td>1/28/19</td>
<td>115</td>
<td>101:1</td>
<td>1.05:1</td>
<td>74 - 75</td>
<td>74</td>
<td>74 - 75</td>
<td>74</td>
<td>1,280</td>
<td>1,280</td>
<td>1,100</td>
</tr>
<tr>
<td>357520076061453</td>
<td>Graco #2</td>
<td>1/28/19</td>
<td>1/28/19</td>
<td>142</td>
<td>0.99:1</td>
<td>1.04:1</td>
<td>74 - 75</td>
<td>74</td>
<td>74 - 75</td>
<td>74</td>
<td>1,280</td>
<td>1,280</td>
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<tr>
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<td>1/28/19</td>
<td>1/28/19</td>
<td>142</td>
<td>0.99:1</td>
<td>1.04:1</td>
<td>74 - 75</td>
<td>74</td>
<td>74 - 75</td>
<td>74</td>
<td>1,280</td>
<td>1,280</td>
<td>1,100</td>
</tr>
<tr>
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<td>Graco #4</td>
<td>1/28/19</td>
<td>1/28/19</td>
<td>142</td>
<td>0.99:1</td>
<td>1.04:1</td>
<td>74 - 75</td>
<td>74</td>
<td>74 - 75</td>
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<td>1,280</td>
<td>1,280</td>
<td>1,100</td>
</tr>
<tr>
<td>357520076061785</td>
<td>Graco #5</td>
<td>1/28/19</td>
<td>1/28/19</td>
<td>142</td>
<td>0.99:1</td>
<td>1.04:1</td>
<td>74 - 75</td>
<td>74</td>
<td>74 - 75</td>
<td>74</td>
<td>1,280</td>
<td>1,280</td>
<td>1,100</td>
</tr>
</tbody>
</table>
```

EX 3: Ratio Graph Report Sample

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**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**

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-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
- 246080: 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**
- 25P770: LP 1/4 in x 10 ft (6.3 mm x 3 m), Improved Flex with Xtreme-Wrap Scuff Guard
- 25P771: LP 1/4 in x 20 ft (6.3 mm x 6 m), Improved Flex with Xtreme-Wrap Scuff Guard
- 25P773: HP 1/4 in x 10 ft (6.3 mm x 3 m), Improved Flex with Xtreme-Wrap Scuff Guard
- 246050: LP 1/4 in x 10 ft (6.3 mm x 3 m), Xtreme-Wrap Scuff Guard
- 26C042: LP 1/4 in x 20 ft (6.3 mm x 6 m), Xtreme-Wrap Scuff Guard
- 246055: HP 1/4 in x 10 ft (6.3 mm x 3 m), Xtreme-Wrap Scuff Guard
- 26C043: HP 1/4 in x 20 ft (6.3 mm x 6 m), Xtreme-Wrap Scuff Guard
- 246056: HP 3/8 in x 10 ft (9.5 mm x 3 m), scuff guard
- 249586: LP 1/4 in x 3 ft (6.3 mm x 91 cm), 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)**
- 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 (9.5 mm x 15 m), Thermocouple
- 246074: LP 1/4 in x 50 ft (9.5 mm x 15 m), Ground Wire

**Low Pressure, 2000 psi (138 bar, 13.8 Mpa)**
- 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

**High Pressure, 3500 psi (240 bar, 24.0 Mpa)**
- 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, 3500 psi (240 bar, 24.0 Mpa)**
- 246054: HP 1/2 in x 50 ft (12.7 mm x 15 m), Thermocouple
- 261335: HP 1/2 in x 50 ft (12.7 mm x 15 m), Ground Wire
- 256548: HP 1/2 in x 50 ft (12.7 mm x 15 m), Thermocouple with scuff guard
- 24N002: HP 1/2 in x 50 ft (12.7 mm x 15 m), RTD with scuff guard
- 24N003: HP 1/2 in x 50 ft (12.7 mm x 15 m), RTD and CAN with scuff guard

**Extra High Pressure, 5000 psi (345 bar, 34.5 Mpa)**
- 261332: XHP 3/8 in x 25 ft (9.5 mm x 7.6 m), Ground Wire
- 262203: 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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FUSION® CS</td>
<td>FUSION® PC</td>
<td>FUSION® AP</td>
</tr>
<tr>
<td></td>
<td>FUSION® MP</td>
<td>P2</td>
<td>GAP PRO®</td>
</tr>
<tr>
<td></td>
<td>GX-7®</td>
<td>GX-7® DI</td>
<td>GX-7®-400</td>
</tr>
<tr>
<td></td>
<td>GX-8®</td>
<td>D-GUN®</td>
<td></td>
</tr>
<tr>
<td>Materials Sprayed</td>
<td>Foam and coatings</td>
<td>Foam and coatings</td>
<td>Foam and coatings</td>
</tr>
<tr>
<td>Max Output</td>
<td>25 lb/min (11.3 kg/min)</td>
<td>40 lb/min (18 kg/min)</td>
<td>40 lb/min (18 kg/min)</td>
</tr>
<tr>
<td>Min Output</td>
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<td>3 lb/min (1.4 kg/min)</td>
<td>3 lb/min (1.4 kg/min)</td>
</tr>
<tr>
<td>Max Working Fluid Pressure</td>
<td>3500 psi (240 bar, 24.0 MPa)</td>
<td>3500 psi (240 bar, 24.0 MPa)</td>
<td>3500 psi (240 bar, 24.0 MPa)</td>
</tr>
<tr>
<td>Max Working Air Inlet Pressure</td>
<td>130 psi (9 bar, 0.9 MPa)</td>
<td>130 psi (9 bar, 0.9 MPa)</td>
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<td>Max Fluid Temperature</td>
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<td>200°F (93°C)</td>
<td>200°F (93°C)</td>
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<td>Weight (with manifold)</td>
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<td>3.56 lb (1.6 kg)</td>
<td>3.26 lb (1.48 kg)</td>
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<tr>
<td>Air inlet size</td>
<td>1/4 npt quick disconnect nipple</td>
<td>1/4 npt quick disconnect nipple</td>
<td>1/4 npt quick disconnect nipple</td>
</tr>
<tr>
<td>A Component (Gas) inlet size</td>
<td>-5 JIC, 1/2-20 UNF swivel</td>
<td>-5 JIC, 1/2-20 UNF swivel</td>
<td>-5 JIC, 1/2-20 UNF swivel</td>
</tr>
<tr>
<td>B Component (Resin) inlet size</td>
<td>-6 JIC, 9/16-18 UNF swivel</td>
<td>-6 JIC, 9/16-18 UNF swivel</td>
<td>-6 JIC, 9/16-18 UNF swivel</td>
</tr>
<tr>
<td>Gun Dimensions</td>
<td>6.5 x 8.1 x 3.6 in (16.5 x 20.6 x 9.1 cm)</td>
<td>8 x 8.1 x 3.3 in (20.3 x 20.6 x 8.4 cm)</td>
<td>7.5 x 8.1 x 3.3 in (19.6 x 20.6 x 8.4 cm)</td>
</tr>
<tr>
<td>Instruction Manual</td>
<td>313696</td>
<td>302734</td>
<td>309550</td>
</tr>
<tr>
<td>Applications</td>
<td>Residential foam insulation, roofing, concrete, waterproofing and other polyurethane foams and polyurea</td>
<td>Residential foam insulation, roofing, concrete, waterproofing and other polyurethane foams and polyurea</td>
<td>Residential foam insulation, roofing, concrete, waterproofing and other polyurethane foams and polyurea</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.

- **Quick-Change Front End**
  - Change fluid head in seconds
  - Non-stick polymer cover for easy cleanup
  - “Air knife” - reduces material buildup

- **Screw-in Place Side Seals**
  - Overall maintenance is quicker and simpler
  - Femer O-rings ensure better crossover protection and keep appropriate mix and proportions of material for better end results

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

- **Faster/Shorter Trigger Pull**
  - Responsive trigger delivers quick shots
  - Diminishes operator fatigue

- **ClearShot Cartridge**
  - Keeps mix chamber clear

- **Chromex Coated Side Seals and Mix Chamber**
  - Precision machined hardened stainless steel for longer life
  - More resistant 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
Fusion CS Ordering Information

Fusion CS Gun, Round
CS20RD RD0202 (00) round mix chamber (.020 orifice size)
CS00RD RD0000 (00) round mix chamber (.020 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 Parts
256305 ClearShot Liquid Cartridges - pack of 25
256306 ClearShot Liquid Cartridges - pack of 50
256307 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
256445 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 Polycarballoy 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
256468 Side seal housing O-rings - pack of 6
256489 Polycarballoy 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

Fusion CS Parts - continued
258996 CS Adapter Block, used with AP hose manifold
256642 Inlet cover kit
256650 TP100 seals - pack of 5
256651 Stud wall tips 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 Polycarballoy 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
257425 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
WD0303 Fusion CS 5757 wide mix chamber kit
WD0202 Fusion CS 4646 wide mix chamber kit
Fusion CS 3939 wide mix chamber kit
WD0101 Fusion CS 2828 wide mix chamber kit
WD0000 Fusion CS 2020 wide 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

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)

Fusion CS Parts - continued
258996 CS Adapter Block, used with AP hose manifold
256642 Inlet cover kit
256650 TP100 seals - pack of 5
256651 Stud wall tips 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 Polycarballoy 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
257425 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
WD0303 Fusion CS 5757 wide mix chamber kit
WD0202 Fusion CS 4646 wide mix chamber kit
Fusion CS 3939 wide mix chamber kit
WD0101 Fusion CS 2828 wide mix chamber kit
WD0000 Fusion CS 2020 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

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

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

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

Check Valves with Screens
- Cartridge design for easy maintenance

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

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

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.

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
246099 AR2020 (000) mix chamber (.020 orifice size)
246100 AR2929 (00) mix chamber (.029 orifice size)
248617 AR3737 mix chamber, (.037 orifice size)
246101 AR4242 (01) mix chamber (.042 orifice size)
246102 AR5252 (02) mix chamber (.052 orifice size)
246103 AR6060 (03) mix chamber (.060 orifice size)
246104 AR7070 (04) mix chamber (.070 orifice size)
248651 Gun filter, 60 mesh, pack of 10
249529 AW3939 (01) wide round pattern
249530 AW4646 (02) wide round pattern
248408 Adhes/spatter gun for fleeceback roofing sys.
249525 Stud wall gun w/AR4242 and FTM979
249526 Stud wall gun w/AR5252 and FTM979

Mix Chambers, Round
Includes clean-out tools
AR2020 (000) mix chamber (.020 orifice size)
AR2929 (00) mix chamber (.029 orifice size)
AR3737 Mix chamber (.037 orifice size)
AR4242 (01) mix chamber (.042 orifice size)
AR4747 Mix chamber (.047 orifice size)
AR5252 (02) mix chamber (.052 orifice size)
AR6060 (03) mix chamber (.060 orifice size)
AR7070 (04) mix chamber (.070 orifice size)
AR8686 (05) mix chamber (.086 orifice size)

Mix Chambers, Round - Chrome-X
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 - Chromex
25N572 Kit, B cartridge - Chromex
25N573 Kit, side seal, Qty 2 - Chromex
246346 Side seal kit, incl (2) side seals with O-rings
249080 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

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
AW6046 50% wider pattern, compares to AR7070
AW8282 50% wider pattern, compares to AR8686

Fusion AP 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 AF2029 mix chamber with FT0424 flat tip
247112 AF2029 mix chamber with FT0438 flat tip
247113 AF2029 mix chamber with FT0624 flat tip
247114 AF2029 mix chamber with FT0638 flat tip
247117 AF2029 mix chamber with FT0838 flat tip
247118 AF2029 mix chamber with FT0848 flat tip
247121 AF2424 mix chamber with FT0424 flat tip
247122 AF2424 mix chamber with FT0438 flat tip
247123 AF2424 mix chamber with FT0624 flat tip
247124 AF2424 mix chamber with FT0638 flat tip
247127 AF2424 mix chamber with FT0838 flat tip
247128 AF2424 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

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

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

Tips, Flat - continued
FT0838 Medium fluid flow, 16 to 18 in pattern
FT0848 High fluid flow, 16 to 18 in pattern

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

Fusion Specialty Guns
248408 Fusion AP spatter/adehesive manual gun
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
246376 Auto Fusion AP, round, AR2929
246377 Auto Fusion AP, round, AR4242
246378 Auto Fusion AP, round, AR5252
246379 Auto Fusion AP, round, AR6060
246380 Auto Fusion AP, flat, AF2020, FT0424
246381 Auto Fusion AP, flat, AF2929, FT0438
246382 Auto Fusion MP, round, DI, XR3929, RTM040
246383 Auto Fusion MP, flat, DI, XR3935, RTM040
246384 Auto Fusion MP, flat, DI, XF1818, FTM244
246385 Auto Fusion MP, round, MR3535, RTM040
246386 Auto Fusion MP, round, MR5757, RTM0702
248647 Automatic Fusion - Auto- solvent - Purge

Gun Parts and Accessories
248279 Fusion lube for threads, O-rings, pack of 10
248280 Fusion grease, pack of 10
248414 Adhes/spatter kit, Fusion AP to adhes/spatter gun
248415 Tips for adhes/spatter gun
249258 Fusion Air-Purge pour adapter kit
256632 Variable flow cap

Extension Tip Kits
248010 Ext tip kit for AR2020/AR4242 mix chamber
248011 Ext tip kit for AR2929/AR5252 mix chamber
248012 Ext tip kit for AR4224/AR4242 mix chamber
248013 Ext tip kit for AR5252/AR5252 mix chamber
248014 Ext tip kit for AR2929/AR2929 mix chamber
248015 Ext tip kit for AR2929/AR2929 mix chamber
248016 Ext tip kit for AR2522/AR2522 mix chamber
248020 Ext tip air cap kit
248018 Flat extension tip seal kit
248019 Round extension tip seal kit
249421 Fusion stud wall kit
243583 Fusion TS 100 tip kit

Replacement Parts Kit
248489 Fusion AP Parts Kit, complete - refillable case
Air Purge Guns

Fusion® ProConnect (PC) Gun – A Perfect Rebuild in Seconds

ProConnect® Replacement Cartridge
- 13 parts including o-rings combine into one disposable cartridge

Chromex™ Coated Mix Chamber
- Ultra durable coating for long life
- Alignment groove ensures proper installation

Fluid Housing with ProConnect Technology
- Replace the ProConnect cartridge in seconds
- Access the mix chamber without removing

A/B Fluid Check Valves
- Crossovers remain contained in the cartridge

Stainless Steel Hose Manifold
- Uses same long-lasting Fusion AP fluid manifold

Ergonomic Handle
- Smooth curved handle improves operator comfort and reduces fatigue

Air Piston
- Powerful on/off actuation

Safety Stop
- Manual on/off
## Fusion ProConnect (PC) Ordering Information

### Fusion PC Spray Guns
Includes 3 replacement cartridges

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>25P587</td>
<td>Fusion PC Gun, round 00 Mix Chamber</td>
</tr>
<tr>
<td>25R084</td>
<td>Fusion PC Gun, round 00-01 Mix Chamber</td>
</tr>
<tr>
<td>25P588</td>
<td>Fusion PC Gun, round 01 Mix Chamber</td>
</tr>
<tr>
<td>25P590</td>
<td>Fusion PC Gun, round 01-02 Mix Chamber</td>
</tr>
<tr>
<td>25R085</td>
<td>Fusion PC Gun, round 03 Mix Chamber</td>
</tr>
<tr>
<td>25R086</td>
<td>Fusion PC Gun, flat 00 Mix Chamber, FT0438 tip</td>
</tr>
<tr>
<td>25P591</td>
<td>Fusion PC Gun, bare (no Mix Chamber), round air cap</td>
</tr>
<tr>
<td>25T452</td>
<td>Fusion PC Gun, bare (no Mix Chamber), flat air cap</td>
</tr>
<tr>
<td>26B230</td>
<td>Fusion PC Gun, flat 00 Mix Chamber, FT0624 tip</td>
</tr>
<tr>
<td>25T481</td>
<td>Fusion PC Gun, wide 2222, 4 hose manifold</td>
</tr>
</tbody>
</table>

### Fusion PC Retrofit Kits
Includes 3 replacement cartridges

<table>
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<tbody>
<tr>
<td>25P700</td>
<td>Fusion PC Retrofit, round 00 Mix Chamber</td>
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<tr>
<td>25R087</td>
<td>Fusion PC Retrofit, round 00-01 Mix Chamber</td>
</tr>
<tr>
<td>25P701</td>
<td>Fusion PC Retrofit, round 01 Mix Chamber</td>
</tr>
<tr>
<td>25P703</td>
<td>Fusion PC Retrofit, round 01-02 Mix Chamber</td>
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<tr>
<td>25P702</td>
<td>Fusion PC Retrofit, round 02 Mix Chamber</td>
</tr>
<tr>
<td>25R088</td>
<td>Fusion PC Retrofit, round 03 Mix Chamber</td>
</tr>
<tr>
<td>25R089</td>
<td>Fusion PC Retrofit, flat 00 Mix Chamber, FT0438 tip</td>
</tr>
<tr>
<td>25P704</td>
<td>Fusion PC Retrofit, bare (no Mix Chamber), round air cap</td>
</tr>
<tr>
<td>25T451</td>
<td>Fusion PC Retrofit, bare (no Mix Chamber), flat air cap</td>
</tr>
<tr>
<td>26B228</td>
<td>Fusion PC Retrofit, flat 00 Mix Chamber, FT0624 tip</td>
</tr>
</tbody>
</table>

### Fusion PC Replacement Cartridges

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>19Y300</td>
<td>Fusion PC Replacement Cartridge, 1 Pack</td>
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<tr>
<td>19Y301</td>
<td>Fusion PC Replacement Cartridge, 3 Pack</td>
</tr>
<tr>
<td>19Y308</td>
<td>Fusion PC Replacement Cartridge, 5 Pack</td>
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### Fusion PC Mix Chambers

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>PC20RD</td>
<td>Fusion PC Mix Chamber, round 000</td>
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<tr>
<td>PC29RD</td>
<td>Fusion PC Mix Chamber, round 00</td>
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<tr>
<td>PC37RD</td>
<td>Fusion PC Mix Chamber, round 00-01</td>
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<tr>
<td>PC42RD</td>
<td>Fusion PC Mix Chamber, round 01</td>
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<tr>
<td>PC47RD</td>
<td>Fusion PC Mix Chamber, round 01-02</td>
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<tr>
<td>PC52RD</td>
<td>Fusion PC Mix Chamber, round 02</td>
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<tr>
<td>PC60RD</td>
<td>Fusion PC Mix Chamber, round 03</td>
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<tr>
<td>PC70RD</td>
<td>Fusion PC Mix Chamber, round 04</td>
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<td>PC20FL</td>
<td>Fusion PC Mix Chamber, flat 000</td>
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<td>PC29FL</td>
<td>Fusion PC Mix Chamber, flat 00</td>
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<tr>
<td>PC42FL</td>
<td>Fusion PC Mix Chamber, flat 01</td>
</tr>
<tr>
<td>PC22WD</td>
<td>Fusion PC Mix Chamber, wide 2222</td>
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<tr>
<td>PC28WD</td>
<td>Fusion PC Mix Chamber, wide 2828</td>
</tr>
<tr>
<td>PC33WD</td>
<td>Fusion PC Mix Chamber, wide 3333</td>
</tr>
<tr>
<td>PC39WD</td>
<td>Fusion PC Mix Chamber, wide 3939</td>
</tr>
<tr>
<td>PC46WD</td>
<td>Fusion PC Mix Chamber, wide 4646</td>
</tr>
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### Spare Parts

<table>
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<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>26C775</td>
<td>Fusion PC Middle Ring</td>
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<tr>
<td>19Y302</td>
<td>Fusion PC Retaining Ring</td>
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<tr>
<td>19Y303</td>
<td>Fusion PC Fluid Housing</td>
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<tr>
<td>25P850</td>
<td>Fusion PC Cartridge Air O-ring</td>
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<tr>
<td>25P851</td>
<td>Fusion PC Cartridge Fluid O-ring</td>
</tr>
<tr>
<td>26C937</td>
<td>Fusion PC Jack Screw Holder</td>
</tr>
<tr>
<td>25P660</td>
<td>Fusion PC Cartridge Troubleshooting Tools</td>
</tr>
<tr>
<td>18C115</td>
<td>Complete Gun O-ring Kit</td>
</tr>
<tr>
<td>18C116</td>
<td>Fusion PC 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 40 mesh filter kit
- **GC2497**: P2 100 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
- **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**: Propler 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, FTM324
247057 Fusion MP direct impingement, flat pattern XF1818, FTM317
247058 Fusion MP direct impingement, flat pattern XF1818, FTM324
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 XF2323, FTM642
247066 Fusion MP direct impingement, flat pattern XF2929, FTM324
247067 Fusion MP direct impingement, flat pattern XF2929, FTM348
247073 Fusion MP direct impingement, flat pattern XF3335, FTM348
247074 Fusion MP direct impingement, flat pattern XF3335, FTM624
247075 Fusion MP direct impingement, flat pattern XF3335, FTM642
247081 Fusion MP direct impingement, flat pattern XF4747, FTM348
247082 Fusion MP direct impingement, flat pattern XF4747, FTM638
247083 Fusion MP direct impingement, flat pattern XF4747, FTM683
247089 Fusion MP direct impingement, flat pattern XF5757, FTM348
247090 Fusion MP direct impingement, flat pattern XF5757, FTM638
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, FTM324
247266 Fusion MP standard, flat pattern MF2929, FTM348
247267 Fusion MP standard, flat pattern MF2929, FTM624
247273 Fusion MP standard, flat pattern MF3335, FTM348
247274 Fusion MP standard, flat pattern MF3335, FTM624
247275 Fusion MP standard, flat pattern MF3335, FTM638
247281 Fusion MP standard, flat pattern XF4747, FTM624
247282 Fusion MP standard, flat pattern XF4747, FTM638
247283 Fusion MP standard, flat pattern XF4747, FTM683
247289 Fusion MP standard, flat pattern XF5757, FTM638
247290 Fusion MP standard, flat pattern XF5757, FTM683
247291 Fusion MP standard, flat pattern XF5757, FTM848

Fusion MP 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 XR3335, RTM030
247012 Fusion MP direct impingement, round pattern XR3335, 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 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
MF6666 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
XF3335 Direct impingement mix module, flat
XF4747 Direct impingement mix module, flat

Fusion MP Guns, DI, Round - continued
247030 Fusion MP direct impingement, round pattern XR3335, RTM040
247031 Fusion MP direct impingement, round pattern XR3335, RTM055
247035 Fusion MP direct impingement, round pattern XR4747, RTM040
247036 Fusion MP direct impingement, round pattern XR4747, RTM055
247037 Fusion MP direct impingement, round pattern XR5757, RTM055
247038 Fusion MP direct impingement, round pattern XR5757, RTM070

Fusion MP Guns, Standard, Round - continued
MF1818 Fusion MP standard, round pattern MR3535, RTM055
MF2929 Fusion MP standard, round pattern MR3535, RTM070
MF3535 Fusion MP standard, round pattern MR5757, RTM055
MF5757 Fusion MP standard, round pattern MR5757, RTM070
MF6666 Fusion MP standard, round pattern MR6666, RTM080
MR8282 Fusion MP standard, round pattern MR6666, RTM090
XR2313 Direct impingement mix module, flat
XR2318 Direct impingement mix module, flat
XR2323 Direct impingement mix module, flat
XR2332 Direct impingement mix module, flat
XR2929 Direct impingement mix module, flat
XR3335 Direct impingement mix module, flat
XR4747 Direct impingement mix module, flat
XR5757 Direct impingement mix module, round
XR5757 Direct impingement mix module, round

Fusion MP Mix Modules - continued
XFT5757 Direct impingement mix module, flat
XRF2929 Direct impingement mix module, round
XR3335 Direct impingement mix module, round
XRF4747 Direct impingement mix module, round
XR5757 Direct impingement mix module, round
XR5757 Direct impingement mix module, round

Fusion MP 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 MP Flat Tips
FTM317 Kit, flat tip, mechanical-purge, 6 in (152 mm) pattern, very low flow
FTM424 Kit, flat tip, mechanical-purge, 8 in (203 mm) pattern, low flow
FTM438 Kit, flat tip, mechanical-purge, 8 in (203 mm) pattern, medium flow
FTM624 Kit, flat tip, mechanical-purge, 12 in (305 mm) pattern, medium flow
FTM638 Kit, flat tip, mechanical-purge, 12 in (305 mm) pattern, medium flow
FTM838 Kit, flat tip, mechanical-purge, 16 in (406 mm) pattern, medium flow
FTM848 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
- 296542: GX-7 1/90 Gun
- 296543: GX-7 10/210 Gun
- 296544: GX-7 3/70 Gun
- 296545: GX-7 5/70 Gun
- 296541: GX-7 DI 4/213 Gun
- 296540: GX-7 4/00 Gun

**GX-7, GX-7-DI Tips and Accessories**
- 296533: Coupling block
- 296669: 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
- 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, #6
- 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
- 295688: PCD retainer 0-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**
- 296865: Round module 402
- 296868: Round module 402, pack of 12
- 296869: Fan module 451
- 296866: Fan module 451, pack of 12
- 296885: 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
- 296862: 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
- 296636: 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
- 296612: 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-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 tip 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

- **Fusion PC:**
  - RD = Round Mix Chamber
  - WD = Wide Mix Chamber
  - FL = Flat Mix Chamber

- **Fusion MP:**
  - MR = Mechanical (purge) Round Mix Chamber
  - RTM = Round Tip Mechanical (purge)
  - MF = Mechanical (purge) Flat
  - FT = 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>

**PART NUMBER EXAMPLES**

- **FT0438:**
  - Fusion CS, AP, PC Flat Tip
  - Fan Pattern Width = 8 in (double this number)
  - Tip Orifice Size = .038 in

- **RD0202:**
  - Fusion CS Round Mix Chamber
  - Second 02 = "B" (RES) Chamber Size

- **AF4242:**
  - Fusion AP Flat Mix Chamber
  - First 02 = "A" (.65) Orifice Size
  - Second 02 = "B" (.85) Orifice Size

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

- **FTM 424:**
  - Fusion MP Flat Tip Mechanical
  - Fan Pattern Width = 8 in (double this number)
  - Tip Orifice Size = .024 in

- **RTM 030:**
  - Fusion MP Round Tip Mechanical
  - Tip Orifice Size = .030 in

- **MR 2929:**
  - Fusion MP Mechanical Round Mix Module
  - First 29 = "A" (.65) Orifice Size
  - Second 29 = "B" (.85) Orifice Size

---

<table>
<thead>
<tr>
<th>Gun</th>
<th>Mix Chamber/Tip</th>
<th>Pattern at 24 in (61 cm) from tip or mix chamber</th>
<th>Polyurea in GPM @ 2000 psi</th>
<th>Foam in lb/min @ 1000 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fusion CS Round</td>
<td>CS00RD</td>
<td>RD0020</td>
<td>5 in (127 mm)</td>
<td>0.5 gpm</td>
</tr>
<tr>
<td></td>
<td>CS01RD</td>
<td>RD0021</td>
<td>6 in (152 mm)</td>
<td>1.1 gpm</td>
</tr>
<tr>
<td></td>
<td>CS02RD</td>
<td>RD0022</td>
<td>12 in (305 mm)</td>
<td>2.4 gpm</td>
</tr>
<tr>
<td></td>
<td>CS03RD</td>
<td>RD0033</td>
<td>14 in (356 mm)</td>
<td>NA</td>
</tr>
<tr>
<td>Fusion CS Wide Round</td>
<td>CS02WD</td>
<td>WD0222</td>
<td>8 in (203 mm)</td>
<td>0.5 gpm</td>
</tr>
<tr>
<td></td>
<td>CS09WD</td>
<td>WD0000</td>
<td>15 in (381 mm)</td>
<td>1.1 gpm</td>
</tr>
<tr>
<td></td>
<td>CS19WD</td>
<td>WD0101</td>
<td>16 in (406 mm)</td>
<td>1.6 gpm</td>
</tr>
<tr>
<td></td>
<td>CS29WD</td>
<td>WD0202</td>
<td>18 in (457 mm)</td>
<td>2.4 gpm</td>
</tr>
<tr>
<td>Fusion CS Flat</td>
<td>CS02FT</td>
<td>FT0202</td>
<td>10 in (254 mm)</td>
<td>0.5 gpm</td>
</tr>
<tr>
<td></td>
<td>CS09FT</td>
<td>FT0000</td>
<td>15 in (381 mm)</td>
<td>1.1 gpm</td>
</tr>
<tr>
<td></td>
<td>CS19FT</td>
<td>FT0101</td>
<td>16 in (406 mm)</td>
<td>1.6 gpm</td>
</tr>
<tr>
<td></td>
<td>CS29FT</td>
<td>FT0202</td>
<td>18 in (457 mm)</td>
<td>NA</td>
</tr>
<tr>
<td>Fusion CS Flat</td>
<td>CS02RF</td>
<td>RF0202</td>
<td>10 in (254 mm)</td>
<td>0.5 gpm</td>
</tr>
<tr>
<td></td>
<td>CS09RF</td>
<td>RF0000</td>
<td>15 in (381 mm)</td>
<td>1.1 gpm</td>
</tr>
<tr>
<td></td>
<td>CS19RF</td>
<td>RF0101</td>
<td>16 in (406 mm)</td>
<td>1.6 gpm</td>
</tr>
<tr>
<td></td>
<td>CS29RF</td>
<td>RF0202</td>
<td>18 in (457 mm)</td>
<td>NA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gun</th>
<th>Mix Chamber/Tip</th>
<th>Pattern at 24 in (61 cm) from target</th>
<th>Polyurea in GPM @ 2000 psi</th>
<th>Foam in lb/min @ 1000 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fusion PC Round</td>
<td>PC02RD</td>
<td>RD0202</td>
<td>10 in (254 mm)</td>
<td>0.5 gpm</td>
</tr>
<tr>
<td></td>
<td>PC03RD</td>
<td>RD0303</td>
<td>11 in (279 mm)</td>
<td>1.1 gpm</td>
</tr>
<tr>
<td></td>
<td>PC04RD</td>
<td>RD0404</td>
<td>12 in (305 mm)</td>
<td>1.6 gpm</td>
</tr>
<tr>
<td></td>
<td>PC05RD</td>
<td>RD0505</td>
<td>15 in (381 mm)</td>
<td>2.4 gpm</td>
</tr>
<tr>
<td>Fusion PC Flat</td>
<td>PC02FL</td>
<td>FL0202</td>
<td>10 in (254 mm)</td>
<td>0.5 gpm</td>
</tr>
<tr>
<td></td>
<td>PC03FL</td>
<td>FL0303</td>
<td>11 in (279 mm)</td>
<td>1.1 gpm</td>
</tr>
<tr>
<td></td>
<td>PC04FL</td>
<td>FL0404</td>
<td>12 in (305 mm)</td>
<td>1.6 gpm</td>
</tr>
</tbody>
</table>

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**FTM 424**

- Fusion MP Flat Tip Mechanical

- Tip Orifice Size = .024 in

- Tip Orifice Size = .030 in

- MR 2929

- Fusion MP Mechanical Round Mix Module

- First 29 = "A" (.65) Orifice Size

- Second 29 = "B" (.85) Orifice Size

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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 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

Transfer Pump Technical Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Ratio</th>
<th>Maximum Output – Continuous</th>
<th>Maximum Input – 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 (8.4 kg)</td>
<td>31.5 in (81 cm)</td>
<td>Stainless Steel</td>
<td></td>
<td></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 (9.5 kg)</td>
<td>34.5 in (88 cm)</td>
<td>Stainless Steel</td>
<td></td>
<td></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 (10 kg)</td>
<td>50.3 in (128 cm)</td>
<td>Stainless Steel</td>
<td></td>
<td></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 (10 kg)</td>
<td>50.3 in (128 cm)</td>
<td>Carbon Steel</td>
<td></td>
<td></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</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>26C151</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

- **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
- **26G654** 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

- **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, manual

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

- **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** 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
- **224854** Twistork CS, air-operated, 1-1/2 HP, 37.3 in (0.9 m) length
- **235534** Twistork SST, air-operated, 1-1/2 HP, 37.3 in (0.9 m) length
- **236829** Twistor SST, air-operated with built-in return tube, 3/4 HP, 47.5 in (1.2 m) in length
- **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

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.

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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.

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