

# Finishing Accessories

High Quality Enhancements for Graco Finishing Systems





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### Agitators: Pneumatic Radial Piston

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## Pressure Pots



Designed with electroplated surfaces that prevent debris build-up and keep your operation free of contaminants, Graco pressure pots are precision welded and surfaced. The siphon tube and bottom outlet of the pressure pot allow for different feed methods, and the liners make clean up easy and mess free. They also meet our stringent internal requirements that exceed industry standards such as ASME and FM.

Pressure Pots are a crucial element of the finishing system and can be used in a variety of applications including:

### **Fluid Supply Systems for Air Spray or Feeding Other Equipment:**

They provide pulse-free, ultra-precise fluid delivery at low pressures and flow rates that are not reliably attained with pumps and other equipment. This is ideal for customers that demand reliable, affordable and easy fluid delivery.

### **Sealed Reservoir for Moisture Sensitive or Corrosive Materials:**

Store your catalyst and other moisture sensitive materials in our sealed pressure tanks to protect material consistency. Pressure tanks are ideal for supplying 2K proportioners with resin or catalyst to ensure an effective and consistent sealing surface for your finishing operation.

### **Vacuum Tank:**

When you need to remove entrapped air from material for precision mixing, Graco pressure tanks provide a great degassing option to eliminate foam from your material to reduce surface defects and pitting.



Pressure Pots

2 Gallon (8 liter)

Pressure Pots

- ASME rated to ensure it meets factory standards
- High quality stainless steel design is compatible with many materials
- Use in stand-alone spraying, material/catalyst supply, or as a moisture sensitive material reservoir



236158

Ordering Information

| Capacity              | Height in (cm) | Weight lb (kg) | Models with Agitators                                               |                                                           | Models without Agitators                                            |                                                           |
|-----------------------|----------------|----------------|---------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------|
|                       |                |                | Low Pressure (HVLP)<br>Regulated to 15 psi<br>(1.05 bar, 0.105 MPa) | High Pressure<br>Regulated to 100 psi<br>(7 bar, 0.7 MPa) | Low Pressure (HVLP)<br>Regulated to 15 psi<br>(1.05 bar, 0.105 MPa) | High Pressure<br>Regulated to 100 psi<br>(7 bar, 0.7 MPa) |
| 2 Gallon<br>(8 liter) | 26.0 (66.0)    | 38 (17)        | 236156                                                              | 236158                                                    |                                                                     |                                                           |
| 2 Gallon<br>(8 liter) | 25.4 (64.5)    | 30 (14)        |                                                                     |                                                           | 236155                                                              | 236157                                                    |

| Part Number | Description                       |
|-------------|-----------------------------------|
| 236086      | Bare tank (pot, lid, gasket only) |
| 236676      | Bottom outlet kit                 |
| 15D058      | Tank liner (Qty 20)               |
| 111381      | Replacement C-Clamps              |
| 117572      | Standard Santoprene gasket        |
| 117575      | Premium PTFE coated gasket        |
| 236859      | Agitator assembly                 |

2 gal (8 l) tank has a direct-drive blade high-speed agitator.  
New optional Gun Air Regulator Kit (235042) can be added to all the tanks above.

Instruction manual [308370](#).



Pressure Pots

5 Gallon (19 liter)  
Pressure Pots

- ASME rated to ensure it meets factory standards
- High quality stainless steel design is compatible with many materials
- Use in stand-alone spraying, material/catalyst supply, or as a moisture sensitive material reservoir



Ordering Information

| Capacity               | Height<br>in (cm) | Weight<br>lb (kg) | Models with Agitators                                              |                                                           | Models without Agitators                                           |                                                           |
|------------------------|-------------------|-------------------|--------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------|
|                        |                   |                   | Low Pressure (HVL)<br>Regulated to 15 psi<br>(1.05 bar, 0.105 MPa) | High Pressure<br>Regulated to 100 psi<br>(7 bar, 0.7 MPa) | Low Pressure (HVL)<br>Regulated to 15 psi<br>(1.05 bar, 0.105 MPa) | High Pressure<br>Regulated to 100 psi<br>(7 bar, 0.7 MPa) |
| 5 Gallon<br>(19 liter) | 30.5 (77.5)       | 74 (34)           | 236146                                                             | 236152                                                    |                                                                    |                                                           |
| 5 Gallon<br>(19 liter) | 30.5 (77.5)       | 65 (30)           |                                                                    |                                                           | 236143                                                             | 236149                                                    |

| Part Number | Description                                                               |
|-------------|---------------------------------------------------------------------------|
| 236087      | Bare tank (pot, lid, gasket only)                                         |
| 244147      | Supply tank (pot, lid, gasket, plugs, fill port cap, pick-up tube, liner) |
| 236677      | Bottom outlet kit                                                         |
| 15D059      | Tank liner (Qty 20)                                                       |
| 186517      | Stainless steel paddle kit                                                |
| 117571      | Standard Santoprene gasket                                                |
| 117574      | Premium PTFE coated gasket                                                |
| 236661      | Agitator assembly                                                         |

New optional Gun Air Regulator Kit (235042) can be added to all the tanks above.  
All 5, 10 and 15 gal (19, 38, 57 l) pressure tanks with agitators feature heavy-duty back-geared models.

Instruction manual [308369](#).



Pressure Pots

10 Gallon (38 liter)

Pressure Pots

- ASME rated to ensure it meets factory standards
- High quality stainless steel design is compatible with many materials
- Use in stand-alone spraying, material/catalyst supply, or as a moisture sensitive material reservoir



236150

236153

Ordering Information

| Capacity                | Height in (cm) | Weight lb (kg) | Models with Agitators                                               |                                                           | Models without Agitators                                            |                                                           |
|-------------------------|----------------|----------------|---------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------|
|                         |                |                | Low Pressure (HVLP)<br>Regulated to 15 psi<br>(1.05 bar, 0.105 MPa) | High Pressure<br>Regulated to 100 psi<br>(7 bar, 0.7 MPa) | Low Pressure (HVLP)<br>Regulated to 15 psi<br>(1.05 bar, 0.105 MPa) | High Pressure<br>Regulated to 100 psi<br>(7 bar, 0.7 MPa) |
| 10 Gallon<br>(38 liter) | 33.9 (88.0)    | 85 (39)        | 236147                                                              | 236153                                                    |                                                                     |                                                           |
| 10 Gallon<br>(38 liter) | 33.9 (88.0)    | 76 (35)        |                                                                     |                                                           | 236144                                                              | 236150                                                    |

| Part Number | Description                                                               |
|-------------|---------------------------------------------------------------------------|
| 236088      | Bare tank (pot, lid, gasket only)                                         |
| 244148      | Supply tank (pot, lid, gasket, plugs, fill port cap, pick-up tube, liner) |
| 236677      | Bottom outlet kit                                                         |
| 15D060      | Tank liner (Qty 20)                                                       |
| 186517      | Stainless steel paddle kit                                                |
| 117571      | Standard Santoprene gasket                                                |
| 117574      | Premium PTFE coated gasket                                                |
| 236662      | Agitator assembly                                                         |

New optional Gun Air Regulator Kit (235042) can be added to all the tanks above.  
All 5, 10 and 15 gal (19, 38, 57 l) pressure tanks with agitators feature heavy-duty back-geared models.

Instruction manual [308369](#).



Pressure Pots

15 Gallon (57 liter)

Pressure Pots

- ASME rated to ensure it meets factory standards
- High quality stainless steel design is compatible with many materials
- Use in stand-alone spraying, material/catalyst supply, or as a moisture sensitive material reservoir



Ordering Information

| Capacity                | Height in (cm) | Weight lb (kg) | Models with Agitators                                               |                                                           | Models without Agitators                                            |                                                           |
|-------------------------|----------------|----------------|---------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------|
|                         |                |                | Low Pressure (HVLP)<br>Regulated to 15 psi<br>(1.05 bar, 0.105 MPa) | High Pressure<br>Regulated to 100 psi<br>(7 bar, 0.7 MPa) | Low Pressure (HVLP)<br>Regulated to 15 psi<br>(1.05 bar, 0.105 MPa) | High Pressure<br>Regulated to 100 psi<br>(7 bar, 0.7 MPa) |
| 15 Gallon<br>(57 liter) | 44.6 (113.2)   | 101 (46)       | 236148                                                              | 236154                                                    |                                                                     |                                                           |
| 15 Gallon<br>(57 liter) | 44.6 (113.2)   | 92 (42)        |                                                                     |                                                           | 236145                                                              | 236151                                                    |

| Part Number | Description                                                               |
|-------------|---------------------------------------------------------------------------|
| 236089      | Bare tank (pot, lid, gasket only)                                         |
| 244149      | Supply tank (pot, lid, gasket, plugs, fill port cap, pick-up tube, liner) |
| 236677      | Bottom outlet kit                                                         |
| 15D060      | Tank liner (Qty 20)                                                       |
| 15D061      | Tank liner (Qty 8)                                                        |
| 186517      | Stainless steel paddle kit                                                |
| 117571      | Standard Santoprene gasket                                                |
| 117574      | Premium PTFE coated gasket                                                |
| 236663      | Agitator assembly                                                         |

New optional Gun Air Regulator Kit (235042) can be added to all the tanks above.  
All 5, 10 and 15 gal (19, 38, 57 l) pressure tanks with agitators feature heavy-duty back-gearred models.

Instruction manual [308369](#).



Pressure Pots

2.5 Gallon (9.5 liter) Aluminum Pressure Pots

- Painted aluminum tank ideal for adhesives or other coatings
- Single or dual regulator options for pulsation-free fluid delivery
- Built-in handle for easy movement



223833

Ordering Information

| Part No. | Description                                    | Tank Capacity   | Max. Working Pressure      | Relief Valve Setting       | Fluid Inlet | Fluid Outlet | Wetted Parts                   | Air Inlet  | Size (H x W) in (cm)   |
|----------|------------------------------------------------|-----------------|----------------------------|----------------------------|-------------|--------------|--------------------------------|------------|------------------------|
| 171226   | 2-1/2 Gallon Pressure Pot                      | 2.5 gal (9.5 l) | 50 psi (3.5 bar, 0.35 MPa) | 50 psi (3.5 bar, 0.35 MPa) | 1/4 npt(m)  | 3/8 npsm(m)  | Aluminum, brass, steel, buna-N | 1/4 npt(m) | 21 x 11-1/4 (53 x 286) |
| 223833   | 2-1/2 Gallon Pressure Pot with Dual Regulators | 2.5 gal (9.5 l) | 50 psi (3.5 bar, 0.35 MPa) | 50 psi (3.5 bar, 0.35 MPa) | 1/4 npt(m)  | 3/8 npsm(m)  | Aluminum, brass, steel, buna-N | 1/4 npt(m) | 21 x 11-1/4 (53 x 286) |

Instruction manual: [307133](#)



Pressure Pots

Tank Liners

Pressure Pots

- Tough anti-static material resists cuts and tears for safe and clean handling
- Reduce cleaning time and keep materials segregated
- Reduce changeover time between jobs



Ordering Information

| Part No. | Description                                   |
|----------|-----------------------------------------------|
| 15D058   | 20 count, 2 gal (9 l) pressure tank liners    |
| 15D059   | 20 count, 5 gal (19 l) pressure tank liners   |
| 15D060   | 20 count, 10 gal (45 l) pressure tank liners  |
| 15D061   | 8 count, 15 gal (56 l) pressure tank liners   |
| 112077   | 5 count, 2.5 gal (11 l) pressure tank liners  |
| 112078   | 25 count, 2.5 gal (11 l) pressure tank liners |



## Agitators: Pneumatic Rotary Vane



### Mixing is step one!

If the material is not properly mixed, it will never reach optimal performance conditions despite the highest quality pumping, proportioning, and spray guns.

Graco offers a complete line of high quality mixing solutions for many different materials and containers. Our **Agitator Speed Controller** ensures that your mixing process can be controlled to eliminate paint shear, foaming, and unnecessary compressed air consumption.

Our mixing equipment will make sure you are set up for success starting with step one.





## Agitators: Pneumatic Rotary Vane

### Flange Mounted Agitators for Drum and Mix Tank

#### Drum Agitators

- Agitators mount directly to mix tank or drum covers
- Dual propeller ensures efficient and thorough mixing
- Easy adjustment knob for fine tuning agitator speed to ideal mixing parameters



207199

#### Ordering Information

| Part No. | Description                                                                          | Drive | HP    | Length in (cm) | Material       | Manual                 |
|----------|--------------------------------------------------------------------------------------|-------|-------|----------------|----------------|------------------------|
| 206758   | Dual round prop; mounts on cover                                                     | Air   | 1/2   | 31.25 (79.3)   | CS             | <a href="#">306840</a> |
| 207199   | Includes 206758 and 55 gallon (210 liter) cover 2 in NPSM bung                       | Air   | 1/2   | 31.25 (79.3)   | CS (SST cover) | <a href="#">306938</a> |
| 203711   | Mounts on 237307 SST cover; agitator supports mount to suction tube or pump cylinder | Air   | 1/2   | 31.25 (79.3)   | CS             | <a href="#">306459</a> |
| 204995   | Mounts on 237307 cover; mounts to suction tube or pump cylinder                      | Air   | 1/2   | 31.25 (79.3)   | CS             | <a href="#">306459</a> |
| 206219   | Mounts on 237308 cover                                                               | Air   | 1/2   | 31.25 (79.3)   | CS (SST cover) | <a href="#">306459</a> |
| 207953   | Dual round prop (3 blade each)                                                       | Air   | 3/4   | 29 (73.6)      | CS             | <a href="#">306840</a> |
| 222698*  | Includes single round prop                                                           | Air   | 1/2   | 31.25 (79.3)   | SST            | <a href="#">306840</a> |
| 206760   | Dual round prop                                                                      | Air   | 1.5   | 33.25 (84.4)   | CS, Aluminum   | <a href="#">306840</a> |
| 205715   | For mastics                                                                          | Air   | 2-1/2 | 33.50 (85)     | CS             | <a href="#">307277</a> |
| 210068*  | With sawblade prop                                                                   | Air   | 3/4   | 33.87 (86)     | SST            | <a href="#">307154</a> |

\* Waterborne compatible

| Part Number | Description           |
|-------------|-----------------------|
| 190192      | Agitator cover gasket |



Agitators: Pneumatic Rotary Vane

Clamp Mounted  
Agitators  
Drum Agitators



- Clamp mounts agitator directly to drum
- Adjustable shaft angle to reduce mixing vortex and air entrapment
- Dual propeller ensures efficient and thorough mixing
- Easy adjustment knob for fine tuning agitator speed to ideal mixing parameters



225831

Ordering Information

| Part No. | Description                         | Drive | HP    | Length in (cm) | Material                           | Manual                 |
|----------|-------------------------------------|-------|-------|----------------|------------------------------------|------------------------|
| 225883   | Includes dual round prop; open drum | Air   | 2-1/2 | 41.5 (105.4)   | CS, Iron, Aluminum                 | <a href="#">306426</a> |
| 225831   | Includes dual round prop; open drum | Air   | 1     | 41.5 (105.4)   | CS, Aluminum, Ductile Iron, Bronze | <a href="#">306358</a> |



Agitators: Pneumatic Rotary Vane

Expanding Blade Agitators

Drum Agitators

- Corrosion resistant materials
- Threads into 1.5” or 2” drum bung
- Includes angled adapter reduces vortexing and allows for off center mounting
- Customize configuration by adjusting blade height or by adding additional blade assemblies
- Collapsible blades fit through drum bung and expand when spinning for efficient mixing



24C728

Ordering Information

| Part No. | Description                                                                       | Drive | HP   | Max. Air Input<br>psi (bar) | Max. Speed<br>Recommended | Wetted<br>Parts          |
|----------|-----------------------------------------------------------------------------------|-------|------|-----------------------------|---------------------------|--------------------------|
| 24C728   | Low Viscosity (1,000 cps) air driven<br>expanding blade bung-mounted<br>agitator  | Air   | 1    | 100 (7)                     | 500 rpm                   | 303, 18-8<br>and 304 SST |
| 24C729   | High Viscosity (2,000 cps) air driven<br>expanding blade bung-mounted<br>agitator | Air   | 1.75 | 100 (7)                     | 500 rpm                   | 303, 18-8<br>and 304 SST |

Instruction manual: [313643](#)



Agitators: Pneumatic Rotary Vane

Twistork® Agitators  
Drum Agitators



- Helix blade effectively mixes higher viscosity materials
- Mounts directly to 2 inch drum bung
- Stainless and carbon steel material options
- Siphon model allows material transfer though agitator shaft
- Sealed agitator drive prevents material contamination and evaporation
- ATEX approval for hazardous locations
- Max viscosity 10,000 cps



236629

Ordering Information

| Part No. | Description                        | Drive | HP    | Length in (cm) | Material | Manual                 |
|----------|------------------------------------|-------|-------|----------------|----------|------------------------|
| 224854   | Twistork, reversible, non-siphon   | Air   | 1-1/2 | 37.25 (95)     | CS       | <a href="#">308175</a> |
| 235534   | Twistork, reversible, non-siphon   | Air   | 1-1/2 | 37.25 (95)     | 304 SST  | <a href="#">308175</a> |
| 236629*  | Twistork, standard siphon model    | Air   | 3/4   | 47.5* (121)    | 304 SST  | <a href="#">308345</a> |
| 236760   | Oil-less, reversible, siphon model | Air   | 3/4   | 47.5* (121)    | 304 SST  | <a href="#">308345</a> |

\*Adjustable depth models for drums 31-1/2 in to 35-1/2 in (80 cm to 90.1 cm) deep.  
Siphon tube designed to rest on drum bottom.



Agitators: Pneumatic Rotary Vane

Heavy Duty In-Drum  
Back-Geared Agitator

Drum Agitators

- Corrosion resistant materials for high quality and long life
- Leak-free gearbox eliminates material contamination common with oil filled units
- Installs easily onto in-drum agitators
- Mounts directly to drum bung, choose 1.5 in or 2 in
- Includes 3/8 in, 7/16 in, 1/2 in, 5/8 in shaft adapters, compatible with several styles
- ATEX approval for hazardous locations



24C293

Ordering Information

| Part No. | Description                                                                                                                               | Gear Reducer Ratio | Max. Air Input psi (bar) | Max. Speed Recommended | Wetted Parts |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------|------------------------|--------------|
| 24C293   | 1.5 inch Bung Model<br>Includes heavy duty agitator drive, plus 2 adapters for 4 different shaft sizes (3/8, 7/16, 1/2 and 5/8 inch)      | 24:1               | 100 (7)                  | 100 rpm                | 303 SST      |
| 24C522   | 2 inch Bung Model<br>Includes heavy duty agitator drive, plus 2 adapters for 4 different square drive sizes (3/8, 7/16, 1/2 and 5/8 inch) | 24:1               | 100 (7)                  | 100 rpm                | 303 SST      |
| 16A521   | 1.5 inch bung adapter                                                                                                                     |                    |                          |                        |              |
| 16A754   | 2 inch bung adapter                                                                                                                       |                    |                          |                        |              |
| 16H554   | 3/8 inch and 7/16 inch shaft adapter                                                                                                      |                    |                          |                        |              |
| 16H555   | 1/2 inch and 5/8 inch shaft adapter                                                                                                       |                    |                          |                        |              |

\* Waterborne compatible

Instruction manual: [308609](#)



## Agitators: Pneumatic Rotary Vane

### Heavy Duty Drum Agitator Elevators



- Heavy duty gearbox mixes high viscosity materials
- Leak-free and oil-less gearbox prevents material contamination
- Stainless steel agitator and cover for corrosion resistance and waterborne compatibility
- Twin paddles thoroughly mix finishing materials
- Siphon option allows material transfer through agitator shaft
- Access port for easy sampling and inspection of material during operation
- Maximum viscosity 3,000 cps



231414

### Ordering Information

| Part No. | Description                                                               | Drive | HP  | Length inches (cm) | Material | Manual                 |
|----------|---------------------------------------------------------------------------|-------|-----|--------------------|----------|------------------------|
| • 231414 | Heavy-duty back-gearred agitator with elevator, drum cover and siphon kit | Air   | 1/2 | 32 (81.25)         | SST      | <a href="#">308609</a> |
| • 231413 | Same as 231414, except without siphon capability                          | Air   | 1/2 | 32 (81.25)         | SST      | <a href="#">308609</a> |
| • 238157 | Heavy-duty back-gearred agitator                                          | Air   | 1/2 | 32 (81.25)         | SST      | <a href="#">308609</a> |
| • 240209 | Same as 238157 with siphon kit                                            | Air   | 1/2 | 32 (81.25)         | SST      | <a href="#">308609</a> |
| • 238250 | Siphon tube kit; fits 238157 agitator 3/4" ID and 1" npt(m) thread        |       |     | 43 (109)           | SST      | <a href="#">308609</a> |
| • 191920 | Shaft extension; fits 238157 agitator. Do not use with siphon kit 238250  |       |     | 7 (17.8)           | SST      | <a href="#">308609</a> |
| • 191606 | Shaft extension; fits 238157 agitator. Do not use with siphon kit 238250  |       |     | 16 (40.6)          | SST      | <a href="#">308609</a> |

- Waterborne compatible

| Part Number | Description                                                                                              |
|-------------|----------------------------------------------------------------------------------------------------------|
| 238283      | Drum cover for agitator 238157<br>Includes inspection port, return port and mounting holes for agitator. |



Agitators: Pneumatic Rotary Vane

Agitator Speed Controller

Drum Agitators

- Provides closed-loop speed control for agitators
- Maintains constant set speed even as viscosity or drum levels change
- Installs within minutes
- Prevents over-agitation of shear sensitive materials and foaming of waterborne materials
- Extends agitator lifetime by eliminating agitator over speeding
- Lowers energy costs by reducing air consumption



24G621

Ordering Information

| Part No. | Description               |
|----------|---------------------------|
| 24G621   | Agitator Speed Controller |

Compatible Graco Agitators

24C821, 24C524, 24C520, 240209,  
231414, 222698, 207199, 204995,  
24C729, 24C523, 24C519, 238157,  
231413, 210068, 206760, 204482,  
24C728, 24C522, 24C293, 236629,  
225831, 210067, 206758, 203711

Compatible Graco Air Motors

101140, 16A871, 101388, 111310

Instruction manual: [3A1315](#)



Agitators: Pneumatic Rotary Vane

Replacement  
Air Motors

Drum Agitators

- Replacement air motors will give new life your existing agitators
- Use the chart below to determine compatibility
- Easy to select and install



101140

Ordering Information

| Air Motor<br>Part No. | Repair Kit<br>Part No. | Compatible Agitator<br>Part No.                                                                                                                         |
|-----------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 101140                | 207335                 | 203711, 204482, 204995, 206219, 206758,<br>207953, 210067, 210068, 222698, 236097,<br>236629, 238157, 238859, 238860, 240209,<br>962947, 24C293, 24C522 |
| 162425                | 207335                 | 236146, 236147, 236148, 236152, 236153,<br>236154, 236661, 236662, 236663                                                                               |
| 111310                | 224954                 | 224854, 235534, 24C729                                                                                                                                  |
| 101687                | 207337                 | 224571, 224572                                                                                                                                          |
| 101388                | 207336                 | 206706, 225831                                                                                                                                          |



## Agitators: Pneumatic Rotary Vane

### Pail Cover Agitator

#### Pail Agitators

- Lift handles for easy moving and color changes
- Locking bolts to secure cover and reduce spills
- Ideal for wall mount pumps or spray packages



#### Ordering Information

| Part No. | Size          | Description                           | Drive | HP  | Length in (cm) | Material | Manual                 | Notes                              |
|----------|---------------|---------------------------------------|-------|-----|----------------|----------|------------------------|------------------------------------|
| * 222695 | 5 gal (18 l)  | Round prop                            | Air   | 1/4 | 13.25 (33.6)   | SST      | <a href="#">306565</a> | 224571 Agitator and hose           |
| * 204536 | 5 gal (18 l)  | Round prop (3 blade)                  | Air   | 1/4 | 13.25 (33.6)   | SST      | <a href="#">306565</a> | 224571 Agitator and metal tube     |
| 226086   | 5 gal (18 l)  | Pail cover, round prop                | Air   | 1/4 | 13.25 (33.6)   | CS       | <a href="#">306670</a> | 224571 Agitator and CS pail cover  |
| 243340   | 5 gal (18 l)  | SST pail cover with SST agitator      | Air   | 1/4 | 13.25 (33.6)   | SST      | <a href="#">306565</a> | 224571 Agitator and SST pail cover |
| 245081   | 5 gal (18 l)  | SST pail agitator kit for Triton pkgs | Air   | 1/2 | 13.25 (33.6)   | SST      | <a href="#">309305</a> |                                    |
| 245895   | 5 gal (18 l)  | CS pail cover with SST agitator       | Air   | 1/4 | 13.25 (33.6)   | CS       | <a href="#">306565</a> |                                    |
| * 224572 | 10 gal (37 l) | Single round prop (3 blade)           | Air   | 1/4 | 17.25 (43.8)   | SST      | <a href="#">306565</a> |                                    |

\* Waterborne compatible



Agitators: Pneumatic Rotary Vane

Heavy Duty  
Pressure Tank Agitators  
Tank Agitators



- 20:1 gear reduction to mix high viscosity materials, even at low speeds
- Sealed agitator shaft to prevent air leakage and contamination
- Built-in baffle and support for efficient mixing
- Compatible with Graco pressure tanks



236661

Ordering Information

| Part No. | Description                        | Drive | HP  | Length in (cm) | Material    | Manual                 |
|----------|------------------------------------|-------|-----|----------------|-------------|------------------------|
| • 236661 | 5 gallon (19 liter), gear reduced  | Air   | 1/2 | 15 (38)        | 304/316 SST | <a href="#">308371</a> |
| • 236662 | 10 gallon (38 liter), gear reduced | Air   | 1/2 | 20.75 (53)     | 304/316 SST | <a href="#">308371</a> |
| • 236663 | 15 gallon (57 liter), gear reduced | Air   | 1/2 | 31 (79)        | 304/316 SST | <a href="#">308371</a> |

- Waterborne compatible

\*Only use on Graco’s 5, 10 and 15 gal ASME pressure tanks.

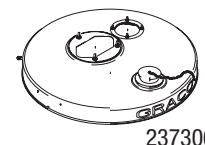
| Part Number | Description                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 186517      | 304 SST Paddle Kit for 5, 10, 15 gallon (18.9, 38, 57 l) sizes<br>Used to upgrade from standard composite agitator paddle to stainless steel construction, for enhanced chemical resistance. |



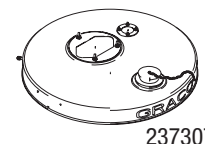
## Agitators: Pneumatic Rotary Vane

### Drum Covers

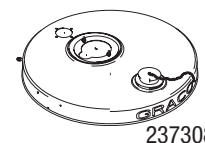
- Integrate pumps, agitators, and accessories with drum, elevator system, and other containers
- Many mounting options and configurations
- Inspection port for clean and easy monitoring
- Stainless steel construction is compatible with catalyst, waterborne, and other finishing materials
- Create custom solutions with bare cover (238008)



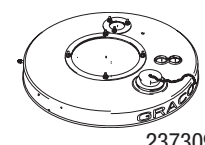
237306



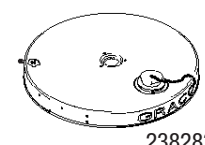
237307



237308



237309



238283

### Ordering Information

| Part No. | Graco Pump Support                          | Features                                                                                                                                           | Material | Manual                 |
|----------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|
| • 237306 | President, Monark, Standard and Fast-Flo    | Includes inspection port plug, bolts, nuts, and gaskets. Fits agitator 206758 and siphon tube 206266.                                              | 304 SST  | <a href="#">308466</a> |
| • 237307 | President and Monark                        | Includes inspection port plug, bolts, nuts, and gaskets. Fits agitators 204995 and 203711.                                                         | 304 SST  | <a href="#">308466</a> |
| • 237308 | President (two bolt mounting)               | Includes inspection port plug, bolts, nuts, and gaskets. Fits agitators 204995, 206219 and filter 214724.                                          | 304 SST  | <a href="#">308466</a> |
| • 237309 | King, Bulldog, Senator, and President       | Includes inspection port plug, bolts, nuts, and gaskets. Fits agitator 205715 and air regulator 207651 (King), and air regulator 205712 (Bulldog). | 304 SST  | <a href="#">308466</a> |
| • 237949 | Glutton                                     | Features inspection port plug, agitator port; return tube ports, Glutton bolt holes and siphon tube port.                                          | 304 SST  | <a href="#">308466</a> |
| • 238008 | Most Graco pumps except Premier             | Features only inspection port with plug. No other holes. Additional holes cut to fit particular application.                                       | 304 SST  | <a href="#">308466</a> |
| • 190206 | Most Graco pumps except Premier             | Blank cover with no holes. Heavy duty 12 gauge SST. Not passivated.                                                                                | 304 SST  | <a href="#">308466</a> |
| • 238283 | Fits agitator 238157 and electric agitators | Includes inspection port, return port and mounting holes for agitator.                                                                             | 304 SST  | <a href="#">308609</a> |

- Waterborne compatible



## Agitators: Pneumatic Rotary Vane

### Elevator Systems

- Safely and easily raise and lower cover mounted pumps and agitators
- Includes lift, up/down air control, and cover support (cover not included)
- Mounts directly to floor or plate (205339)



### Ordering Information

| Part No. | Features                                                                                                                                                                                                                                         | Material | Manual                 |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|
| 237746   | Includes elevator 204385, air control valve 237579, floor mount base and drum cover support 237578.                                                                                                                                              | Steel    | <a href="#">306287</a> |
| 204352   | Includes elevator 204385 and bracket 204510.                                                                                                                                                                                                     | Steel    | <a href="#">306568</a> |
| 204385   | Elevator only with stationary base.                                                                                                                                                                                                              | Steel    | <a href="#">306287</a> |
| 206276   | Air control kit. Used with Bulldog or King pump mounted on a heavyduty elevator. Includes air regulator with gauge restrictor valve, push-pull valve, air-assist valve, hose and fitting for directing air to pump, elevator and inductor plate. |          |                        |
| 207561   | Air control kits. Elevator up/down control                                                                                                                                                                                                       |          | <a href="#">306287</a> |
| 237579   | Air control kit similar to 206276; plus includes air tube and mounting bracket to locate push-pull control on front edge of stainless steel drum cover.                                                                                          |          | <a href="#">306287</a> |
| 204510   | Wishbone support and controls for up/down. Used with Fire-Ball, Monark, President in-line pump                                                                                                                                                   |          | <a href="#">306568</a> |
| 237902   | Bulldog, King Drum Cover Mount<br>Includes elevator 207408, pump support 237578, and air control kit 237579.                                                                                                                                     | Steel    | <a href="#">306287</a> |
| 237525   | Elevator Retrofit Kit<br>Designed to adapt elevators with old support ring to fit new SST drum covers 237306 thru 237310, 190206, 238008 and others. Drum support not included.                                                                  | Steel    | <a href="#">308467</a> |
| 204490   | Monark (224350) and President (224348). Includes elevator, inductor plate, pump bracket, up/down control, air hose and steel base. Requires pump adapter 161251. Also requires flange (160754).                                                  | Steel    | <a href="#">306556</a> |
| 205339   | Elevator Base Plate<br>Provides stable surface if floor is too irregular for proper operation. Use with 207408 and 204385.                                                                                                                       | Steel    | <a href="#">306556</a> |



## Agitators: Pneumatic Radial Piston



### Agitating is step one!

If the material is not properly agitated, it will never reach optimal performance conditions despite the highest quality pumping, proportioning, and spray guns.

Graco offers various types of high quality agitating solutions for many different materials and containers. Our **Radial Piston Air Motor** driven agitator product line is a simple, reliable and cost-effective solution for low to medium viscosity materials. Connected with Graco's **Intelligent Paint Kitchen (IPK)** package, it can be monitored and controlled to achieve optimal agitation result and eliminate paint shear, foaming, and unnecessary compressed air consumption.

Our agitating equipment will make sure you are set up for success starting with step one.



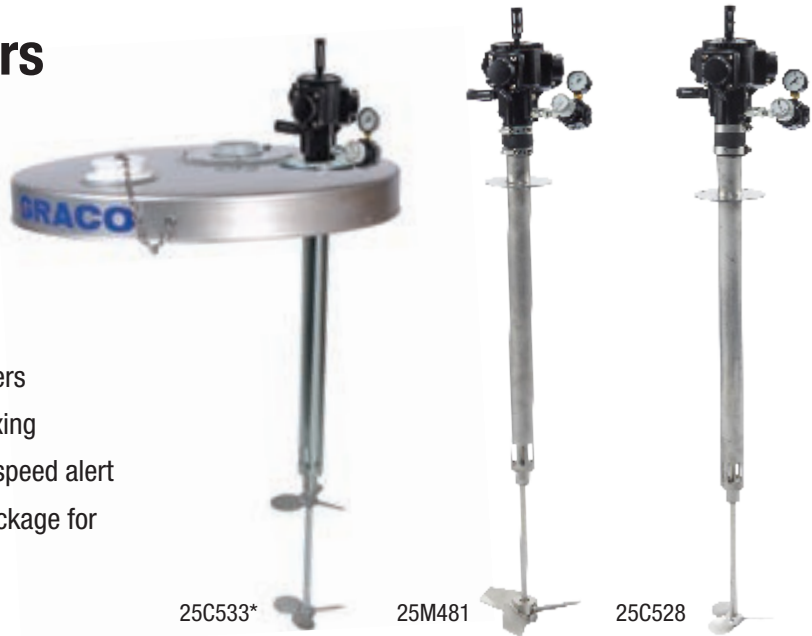


Agitators: Pneumatic Radial Piston

Flange Mounted Agitators  
for Drum and Mix Tank

Drum Agitators

- Radial piston air motor
- In-line air lubrication is not required
- Agitators mount directly to mix tank or drum covers
- Dual propeller ensures efficient and thorough mixing
- Optional DataTrak for speed monitoring and overspeed alert
- Compatible with Intelligent Paint Kitchen (IPK) package for speed monitoring and control



Ordering Information

| Part No. | Description                                                                           | Max. Recommended Air Pressure (psi) | Max. Recommended Material Viscosity (cP) | Max. Recommended Air Motor Speed (rpm) | Recommended Agitator Rotation | Manual                 |
|----------|---------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------|----------------------------------------|-------------------------------|------------------------|
| 25C533   | Carbon Steel Direct Drive, 30/55 Gallon, Two Aluminum 5.5" Propellers                 | 70                                  | 1000                                     | 500                                    | Clockwise                     | <a href="#">3A4792</a> |
| 25M481   | Stainless Steel Direct Drive, 30/55 Gallon, One Stainless Steel 8" Low Shear Impeller | 70                                  | 500                                      | 500                                    | Clockwise                     | <a href="#">3A4792</a> |
| 25C528   | Stainless Steel Direct Drive, 30/55 Gallon, One Stainless Steel 5.5" Propeller        | 70                                  | 1000                                     | 500                                    | Clockwise                     | <a href="#">3A4792</a> |

\*Drum cover not included



Agitators: Pneumatic Radial Piston

Clamp Mounted  
Agitators

Drum Agitators

- Radial piston air motor
- Clamp mounts agitator directly to drum
- In-line air lubrication is not required
- Adjustable shaft angle to reduce mixing agitation and air entrapment
- Dual propeller ensures efficient and thorough agitation
- Optional DataTrak for speed monitoring and overspeed alert
- Compatible with Intelligent Paint Kitchen (IPK) package for speed monitoring and control



25C529

Ordering Information

| Part No. | Description                                                                          | Max.<br>Recommended<br>Air Pressure<br>(psi) | Max.<br>Recommended<br>Material<br>Viscosity (cP) | Max.<br>Recommended<br>Air Motor Speed<br>(rpm) | Recommended<br>Agitator<br>Rotation | Manual                 |
|----------|--------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|-------------------------------------------------|-------------------------------------|------------------------|
| 25C529   | Carbon Steel Direct Drive, 55 Gallon,<br>Side Mount, Two Aluminum 5.5"<br>Propellers | 70                                           | 1000                                              | 500                                             | Clockwise                           | <a href="#">3A4792</a> |



Agitators: Pneumatic Radial Piston

Expanding Blade  
Agitators

Drum Agitators

- Radial piston air motor
- Corrosion resistant materials
- In-line air lubrication is not required
- Threads into 1.5” or 2” drum bung
- Includes angled adapter reduces vortexing and allows for off center mounting
- Customize configuration by adjusting blade height or by adding additional blade assemblies
- Collapsible blades fit through drum bung and expand when spinning for efficient mixing
- Optional DataTrak for agitation monitoring and overspeed alert
- Compatible with Intelligent Paint Kitchen (IPK) package for speed monitoring and control



25C530

Ordering Information

| Part No. | Description                                                                | Max.<br>Recommended<br>Air Pressure<br>(psi) | Max.<br>Recommended<br>Material<br>Viscosity (cP) | Max.<br>Recommended<br>Air Motor Speed<br>(rpm) | Recommended<br>Agitator<br>Rotation | Manual                 |
|----------|----------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|-------------------------------------------------|-------------------------------------|------------------------|
| 25C530   | Stainless Steel Direct Drive,<br>55 Gallon, Bung Mount,<br>Expanding Blade | 70                                           | 1000                                              | 500                                             | Counter<br>Clockwise                | <a href="#">3A4792</a> |



## Agitators: Pneumatic Radial Piston

### Twistork® Agitators

#### Drum Agitators

- Helix blade effectively mixes higher viscosity materials
- Mounts directly to 2 inch drum bung
- In-line air lubrication is not required
- Stainless and carbon steel material options
- Siphon model allows material transfer through agitator shaft
- Sealed agitator drive prevents material contamination and evaporation
- ATEX approval for hazardous locations
- Optional DataTrak for speed monitoring and overspeed alert
- Compatible with Intelligent Paint Kitchen (IPK) package for speed monitoring and control



25C532



25C534

### Ordering Information

| Part No. | Description                                            | Max. Recommended Air Pressure (psi) | Max. Recommended Material Viscosity (cP) | Max. Recommended Air Motor Speed (rpm) | Recommended Agitator Rotation | Manual                 |
|----------|--------------------------------------------------------|-------------------------------------|------------------------------------------|----------------------------------------|-------------------------------|------------------------|
| 25C532   | Stainless Steel, Belt Drive Twistork helix, Bung Mount | 70                                  | 1000                                     | 500                                    | Clockwise/Counter Clockwise   | <a href="#">3A4800</a> |
| 25C534   | Stainless Steel Direct Drive, Helix, Bung Mount        | 70                                  | 1000                                     | 500                                    | Clockwise                     | <a href="#">3A4792</a> |
| 25C535   | Carbon Steel Direct Drive, Helix, Bung Mount           | 70                                  | 1000                                     | 500                                    | Clockwise                     | <a href="#">3A4792</a> |



## Agitators: Pneumatic Radial Piston

### Pressure Tank Agitators

- Radial piston air motor
- In-line air lubrication is not required
- Sealed agitator shaft to prevent air leakage and contamination
- Built-in baffle and support for efficient agitation
- Compatible with Graco pressure tanks
- Optional DataTrak for speed monitoring and overspeed alert
- Compatible with Intelligent Paint Kitchen (IPK) package for speed monitoring and control
- ATEX approval for hazardous locations



### Ordering Information

| Part No. | Description                                                       | Max. Recommended Air Pressure (psi) | Max. Recommended Material Viscosity (cP) | Max. Recommended Air Motor Speed (rpm) | Recommended Agitator Rotation | Manual                 |
|----------|-------------------------------------------------------------------|-------------------------------------|------------------------------------------|----------------------------------------|-------------------------------|------------------------|
| 25C539   | Agitator for 5 Gallon Pressure Tank (Pressure Tank not included)  | 70                                  | 1000                                     | 150                                    | Clockwise                     | <a href="#">3A4797</a> |
| 25C540   | Agitator for 10 Gallon Pressure Tank (Pressure Tank not included) | 70                                  | 1000                                     | 150                                    | Clockwise                     | <a href="#">3A4797</a> |
| 25C541   | Agitator for 15 Gallon Pressure Tank (Pressure Tank not included) | 70                                  | 1000                                     | 150                                    | Clockwise                     | <a href="#">3A4797</a> |
| 25C536   | Agitator with Pressure Tank, 5 Gallon                             | 70                                  | 1000                                     | 150                                    | Clockwise                     | <a href="#">3A4797</a> |
| 25C537   | Agitator with Pressure Tank, 10 Gallon                            | 70                                  | 1000                                     | 150                                    | Clockwise                     | <a href="#">3A4797</a> |
| 25C538   | Agitator with Pressure Tank, 15 Gallon                            | 70                                  | 1000                                     | 150                                    | Clockwise                     | <a href="#">3A4797</a> |



Agitators: Pneumatic Radial Piston

In-Drum Agitator

- Radial piston air motor
- In-line air lubrication is not required
- Corrosion resistant materials for high quality and long life
- Installs easily onto in-drum agitators
- Mounts directly to drum bung, choose 1.5 in or 2 in
- Includes 7/16 in and 1/2 in shaft adapters, compatible with several styles
- Optional DataTrak for speed monitoring and overspeed alert
- Compatible with Intelligent Paint Kitchen (IPK) package for speed monitoring and control
- ATEX approval for hazardous locations



Ordering Information

| Part No. | Description              | Max. Recommended Air Pressure (psi) | Max. Recommended Material Viscosity (cP) | Max. Recommended Air Motor Speed (rpm) | Recommended Agitator Rotation | Manual                 |
|----------|--------------------------|-------------------------------------|------------------------------------------|----------------------------------------|-------------------------------|------------------------|
| 25N881   | In-Drum, 1.5" Bung Mount | 70                                  | 500                                      | 100                                    | Clockwise                     | <a href="#">3A4792</a> |
| 25N882   | In-Drum, 2" Bung Mount   | 70                                  | 500                                      | 100                                    | Clockwise                     | <a href="#">3A4792</a> |



## Agitators: Pneumatic Radial Piston

### Heavy Duty Drum Agitator

- Radial piston air motor
- In-line air lubrication is not required
- Corrosion resistant materials for high quality and long life
- Heavy duty gearbox mixes high viscosity materials
- Leak-free and oil-less gearbox prevents material contamination
- Siphon option allows material transfer through agitator shaft
- Optional DataTrak for speed monitoring and overspeed alert
- Compatible with Intelligent Paint Kitchen (IPK) package for speed monitoring and control
- ATEX approval for hazardous locations



### Ordering Information

| Part Number | Description                                                                              | Recommended Agitator Rotation | Max. Recommended Air Pressure (psi) | Max. Recommended Material Viscosity (cP) | Manual                 |
|-------------|------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------|------------------------------------------|------------------------|
| 26B618      | Back-Geared Radial Piston Agitator, In-Drum, heavy duty, 2 inch Bung Mount               | Clockwise                     | 70                                  | 3,000                                    | <a href="#">3A4792</a> |
| 26B619      | Back-Geared Radial Piston Agitator, In-Drum, heavy duty, 1.5 inch Bung Mount             | Clockwise                     | 70                                  | 3,000                                    |                        |
| 26B630      | Back-Geared Radial Piston Agitator, heavy duty                                           | Clockwise                     | 70                                  | 3,000                                    |                        |
| 26B631      | Back-Geared Radial Piston Agitator, heavy duty, with siphon kit                          | Clockwise                     | 70                                  | 3,000                                    |                        |
| 26B632      | Back-Geared Radial Piston Agitator, heavy duty, with elevator and drum cover             | Clockwise                     | 70                                  | 3,000                                    |                        |
| 26B633      | Back-Geared Radial Piston Agitator, heavy duty, with elevator, drum cover and siphon kit | Clockwise                     | 70                                  | 3,000                                    |                        |



## Agitators: Pneumatic Radial Piston

### Air Motor Kits

- Replacement, rebuild or conversion air motor kits will give new life to your existing agitators
- In-line air lubrication is not required
- Use the chart below to determine compatibility
- Easy to select and install



25C765

### Ordering Information

| Part No. | Description                                                                                           | Max. Recommended Air Pressure (psi) | Compatible Radial Piston Air Motor Driven Agitators                                                                                                                            | Compatible Rotary Vane Air Motor Driven Agitators                      | Manual                 |
|----------|-------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------|
| 25C765   | Radial Piston Air Motor Kit                                                                           | 70                                  | 25C528, 25C533, 25M481, 25C529, 25C530, 25C532, 25C534, 25C535, 25C539, 25C540, 25C541, 25C536, 25C537, 25C538, 25N881, 25N882, 26B618, 26B619, 26B630, 26B631, 26B632, 26B633 | 222698, 206758, 207953, 206760, 203711, 204995, 206219                 | <a href="#">3A4792</a> |
| 19A844   | Radial Piston Air Motor Conversion Kit for Pressure Tanks                                             | 70                                  |                                                                                                                                                                                | 236661, 236662, 236663, 236152, 236153, 236154, 236146, 236147, 236148 | <a href="#">3A4797</a> |
| 19Y592   | Radial Piston Air Motor Conversion Kit, 5 or 10 Gallon Pail Agitator                                  | 70                                  |                                                                                                                                                                                | 204536, 222695, 224571, 224572, 226086, 243340, 245081                 | <a href="#">3A4792</a> |
| 25T862   | Radial Piston Air Motor Retrofit Kit for Back-Geared Agitators                                        | 70                                  | 26B618, 26B619, 26B630, 26B631, 26B632, 26B633                                                                                                                                 | 231414, 231413, 238157, 240209, 24C522, 24C293                         | <a href="#">3A4792</a> |
| 25M535   | Radial Piston Air Motor Rebuild Kit                                                                   | 70                                  | 25C528, 25C533, 25M481, 25C529, 25C530, 25C532, 25C534, 25C535, 25C539, 25C540, 25C541, 25C536, 25C537, 25C538, 25N881, 25N882, 26B618, 26B619, 26B630, 26B631, 26B632, 26B633 |                                                                        | <a href="#">3A5050</a> |
| 26B168   | Rotary Vane to Radial Piston Air Motor Conversion Kit, 3rd Party Pressure Tank 2, 5, 10, or 15 Gallon | 70                                  |                                                                                                                                                                                | Details refer to manual                                                | <a href="#">3A4797</a> |



Electric Agitators

Electric Agitators  
Direct Drive

- Up to 5 times more efficient compared to pneumatic agitators
- Easily upgrade existing Graco pneumatic agitators with a variety of mounting configurations
- Speed remains constant, regardless of material level in tank
- Low shear mixing ensures uniform particle dispersion without material degradation
- Quiet electric motor
- Control speed with a Variable Frequency Drive (VFD). See page 35.



25C463

25C464

| Part No. | Description                                                              | UL Listed Motor                                                                       |
|----------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 25C453   | 3" Quick-clamp Flange Mount Agitator Motor                               |  |
| 25C575   | 4" Quick-clamp Flange Mount Agitator Motor                               |                                                                                       |
| 25C454   | 7.5" OD Flange Mount Agitator Motor (3" 150# ANSI Flange Mounting Holes) |                                                                                       |
| Part No. | Description                                                              | ATEX Listed Motor                                                                     |
| 25C464   | 3" Quick-clamp Flange Mount Motor                                        |  |
| 25C576   | 4" Quick-clamp Flange Mount Motor                                        |                                                                                       |
| 25C463   | 7.5" OD Flange Mount Motor (3" 150# ANSI Flange Mounting Holes)          |                                                                                       |

**NOTE:** Does not come with shaft or impeller. See Shaft and Impeller Size, page 6 for proper shaft length and impeller diameter part numbers, to be ordered separately.

Manual number [3A4553](#)



Electric Agitators

Pressure Pot Agitators

- Up to 5 times more efficient compared to pneumatic agitators
- Easily upgrade existing Graco pneumatic agitators with a variety of mounting configurations
- Speed remains constant, regardless of material level in tank
- Low shear mixing ensures uniform particle dispersion without material degradation
- Quiet electric motor



| Part No. | Description                                 | UL Listed Motor                                                                       |
|----------|---------------------------------------------|---------------------------------------------------------------------------------------|
| 25C462   | Pressure Tank Agitator Assembly (5 Gallon)  |  |
| 25C470   | Pressure Tank Agitator Assembly (10 Gallon) |                                                                                       |
| 25C471   | Pressure Tank Agitator Assembly (15 Gallon) |                                                                                       |
| Part No. | Description                                 | ATEX Listed Motor                                                                     |
| 25C465   | Pressure Tank Agitator Assembly (5 Gallon)  |  |
| 25C472   | Pressure Tank Agitator Assembly (10 Gallon) |                                                                                       |
| 25C473   | Pressure Tank Agitator Assembly (15 Gallon) |                                                                                       |

These models include a shaft and impeller, but do not include pressure tanks. These models are for the replacement of existing air motor driven pressure tank agitators. See manual 308369 for corresponding pressure tank part numbers, to be ordered separately.



## Electric Agitators

### Back Geared Drum Agitator and Elevator Systems

- Up to 5 times more efficient compared to pneumatic agitators
- Easily upgrade existing Graco pneumatic agitators with a variety of mounting configurations
- Speed remains constant, regardless of material level in tank
- Low shear mixing ensures uniform particle dispersion without material degradation
- Quiet electric motor



25C451

| Part No. | Description                                 | UL Listed Motor                                                                                    |
|----------|---------------------------------------------|----------------------------------------------------------------------------------------------------|
| 25C483   | Back-Gear, Drive Only, with Ground Wire Kit |                                                                                                    |
| Part No. | Description                                 | ATEX Listed Motor                                                                                  |
| 25C484   | Back-Gear, Drive Only, with Ground Wire Kit | <p>II 1/2 G Ex h IIB T4 Ga/Gb<br/>IECEX ETL 17.0019<br/>ITS17ATEX1001809<br/>0°C ≤ Tamb ≤ 40°C</p> |

| Part No. | Description                                    | Shaft and Blades | Siphon | Drum Cover | Elevator and Cover Support | Elevator Air Control | UL Listed Motor                                                                                    |
|----------|------------------------------------------------|------------------|--------|------------|----------------------------|----------------------|----------------------------------------------------------------------------------------------------|
| 25C485   | Agitator                                       | •                |        |            |                            |                      |                                                                                                    |
| 25C486   | Agitator with Siphon                           | •                | •      |            |                            |                      |                                                                                                    |
| 25C374   | Agitator with Drum Cover and Elevator          | •                |        | •          | •                          | •                    |                                                                                                    |
| 25C451   | Agitator with Drum Cover, Elevator, and Siphon | •                | •      | •          | •                          | •                    |                                                                                                    |
| Part No. | Description                                    | Shaft and Blades | Siphon | Drum Cover | Elevator and Cover Support | Elevator Air Control | ATEX Listed Motor                                                                                  |
| 25C487   | Agitator                                       | •                |        |            |                            |                      | <p>II 1/2 G Ex h IIB T4 Ga/Gb<br/>IECEX ETL 17.0019<br/>ITS17ATEX1001809<br/>0°C ≤ Tamb ≤ 40°C</p> |
| 25C488   | Agitator with Siphon                           | •                | •      |            |                            |                      |                                                                                                    |
| 25C481   | Agitator with Drum Cover and Elevator          | •                |        | •          | •                          | •                    | Includes ATEX and IECEX approvals of agitator 25C487                                               |
| 25C480   | Agitator with Drum Cover, Elevator, and Siphon | •                | •      | •          | •                          | •                    | Includes ATEX and IECEX approvals of agitator 25C488                                               |

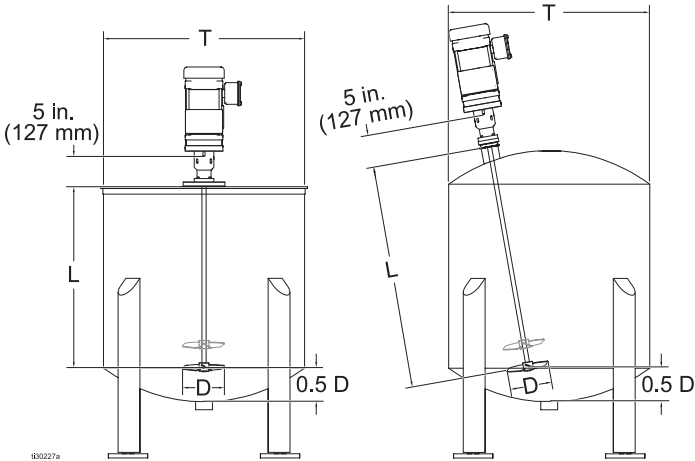
Manual number [3A4548](#)



Electric Agitators

Agitator Shaft  
and Blades

Flange-mounted and quick-clamp flange mounted agitators need shafts and blades. See below to determine the length of the shaft and the recommended impeller diameter.



| Impeller Kit No. | Inside Tank Diameter "T"   | Stainless Steel Impeller Diameter "D" |
|------------------|----------------------------|---------------------------------------|
| 17N704           | 12" (30 cm) or less        | 4" (10 cm)                            |
| 17N708           | 12" (30 cm) to 22" (56 cm) | 8" (20 cm)                            |
| 17N712           | 22" to 36" (56 to 91.5 cm) | 12" (30 cm)**                         |

Recommended impeller blade diameter is generally determined by taking the inside dimension of the tank, drum, or vessel (T in figure above) and multiplying by 0.35.

\*\*Speed is limited by material viscosity and tank diameter for 12" (30 cm) impeller.

To determine the shaft length ("A" in table below):

1. Find the distance from the bottom of the tank up 1/2 the impeller diameter (i.e., 2", 4", or 6").
2. From that point, measure to the lid mounting surface (L).
3. Add measurement in step 2 (L) to the length of the bearing housing (5" or 127 mm).

**Example:** Shaft length "A" = L + 5 inches (127 mm).

**NOTE:** Round each measurement up or down to nearest shaft length in the table below.

| Shaft Part No. | Length "A" in (cm) | Part No. | Length "A" in (cm) |
|----------------|--------------------|----------|--------------------|
| 17P005         | 54 (137)           | 17P015   | 34 (86)            |
| 17P006         | 52 (132)           | 17P016   | 32 (81)            |
| 17P007         | 50 (127)           | 17P017   | 30 (76)            |
| 17P008         | 48 (122)           | 17P018   | 28 (71)            |
| 17P009         | 46 (117)           | 17P019   | 26 (66)            |
| 17P010         | 44 (112)           | 17P020   | 24 (61)            |
| 17P011         | 42 (107)           | 17P021   | 22 (56)            |
| 17P012         | 40 (101)           | 17P022   | 20 (51)            |
| 17P013         | 38 (97)            | 17P023   | 18 (46)            |
| 17P014         | 36 (91)            |          |                    |



## Electric Agitators

### Gear Reducer and Variable Frequency Drive (VFD)

- Use Kit 25N644 for mounting onto UL listed motor assemblies (see Table 1 UL Listed Explosion Proof Inverter Duty Motor, page 3 ).
- Use Kit 25N645 for mounting onto ATEX listed motor assemblies (see Table 2 ATEX Listed Explosion Proof Inverter Duty Motor, page 3 ).
- Kits include the gear reducer and mounting hardware.

Manual number [3A4553](#)



**GEAR REDUCER**  
25N644  
25N645

#### VARIABLE FREQUENCY DRIVE (VFD)

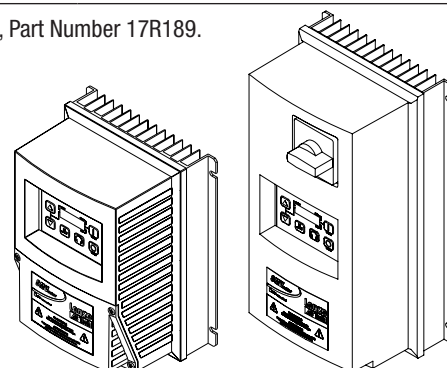
All electric agitators require a VFD. VFD type depends on input voltage and desired output voltage.

| Part No. | HP  | Input Voltage                                                              | Output Voltage (all 3 phase) |
|----------|-----|----------------------------------------------------------------------------|------------------------------|
| 17N041*  | 1.0 | 120 VAC (90–132 VAC) (1 phase), 240 VAC (170–264 VAC) (1 phase), 48–62 Hz  | 0–230 VAC                    |
| 17N042*  | 1.0 | 240 VAC (170–264 VAC) (1 phase), 240 VAC (170–264 VAC) (3 phase), 48–62 Hz | 0–230 VAC                    |
| 17N043*  | 1.0 | 480 VAC (340–528 VAC) (3 phase), 48–62 Hz                                  | 0–400/460 VAC                |
| 17R875   | 1.0 | 120 VAC (90–132 VAC) (1 phase), 240 VAC (170–264 VAC) (1 phase), 48–62 Hz  | 0–230 VAC                    |
| 17R876   | 1.0 | 240 VAC (170–264 VAC) (1 phase), 240 VAC (170–264 VAC) (3 phase), 48–62 Hz | 0–230 VAC                    |
| 17R877   | 1.0 | 480 VAC (340–528 VAC) (3 phase), 48–62 Hz                                  | 0–400/460 VAC                |

| Part No. | HP  | Input Voltage                                                              | Output Voltage (all 3 phase) |
|----------|-----|----------------------------------------------------------------------------|------------------------------|
| 17R878   | 1.0 | 120 VAC (90–132 VAC) (1 phase), 240 VAC (170–264 VAC) (1 phase), 48–62 Hz  | 0–230 VAC                    |
| 17R879   | 1.0 | 240 VAC (170–264 VAC) (1 phase), 240 VAC (170–264 VAC) (3 phase), 48–62 Hz | 0–230 VAC                    |
| 17R880   | 2.0 | 480 VAC (340–528 VAC) (3 phase), 48–62 Hz                                  | 0–400/460 VAC                |

\* Includes RS-485 Modbus Communications Module. Modbus can be ordered separately from Graco, Part Number 17R189.

Manual number [3A4793](#)





## Air Preparation and Controls



**Air preparation is key** to controlling the finishing process and prolonging the life of finishing equipment. Graco offers a wide range of air preparation equipment to meet all of your finishing needs. Our 3 stage desiccant or membrane drying system allows you to provide dry, clean air to your entire finishing system to achieve a high quality finish.

We also have an extensive range of high quality filter-regulator-lubricators (FRLs) so clean, lubricated air reaches your pneumatic equipment at the correct pressure – regardless of system fluctuations. High quality compressed air is an important asset to any finishing operation. Ensure you are utilizing compressed air to the fullest with Graco Air Preparation Equipment.



Air Preparation and Controls

# 3-Stage Desiccant Drying System

## Air Preparation Systems

- Ensures equipment is supplied with clean, dry air
- Multi-stage filter removes particles down to 0.01 micron
- Desiccant removes moisture from air
- Includes shut-off valve and pressure regulator
- Filter and desiccant indicators signal replacement to ensure optimal efficiency



## Ordering Information

| Part No. | Description                                                                                         | Air Inlet                       | Air Outlet                      | Air Flow Capacity | Max. Operating Pressure      |
|----------|-----------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|-------------------|------------------------------|
| 234401   | 3 stage system includes:<br>234402., 234403 and 234404                                              |                                 |                                 |                   |                              |
| 234402   | Stage 1 -<br>Air filter with auto drain, removes water and contaminants down to 5 microns.          | 1/2 in npt(f)                   | 1/2 in npt(f)                   | 108 CFM           | 175 psi<br>(1.2 MPa, 12 bar) |
| 234403   | Stage 2 -<br>Coalescer with auto drain, removes oil and sub-micronic particles down to .01 microns. | 1/2 in npt(f)                   | 1/2 npt(f)                      | 35 CFM            | 175 psi<br>(1.2 MPa, 12 bar) |
| 234404   | Stage 3 -<br>Desiccant housing, removes uncondensed moisture                                        | 3/4 in reduced to 1/2 in npt(f) | 3/4 in reduced to 1/2 in npt(f) | 30 CFM            | 175 psi<br>(1.2 MPa, 12 bar) |

| Part Number | Description                  |
|-------------|------------------------------|
| 288810      | Replacement desiccant, 5 lb  |
| 288823      | Replacement desiccant, 20 lb |

Instruction manual: [309921](#)



Air Preparation and Controls

3-Stage  
Membrane Drying System

Air Preparation Systems

- Membrane eliminates the cost and maintenance of desiccant systems
- Ensures equipment is supplied with clean, dry air
- Multi-stage filter removes particles down to 0.01 micron
- Membrane removes moisture from air
- Includes shut-off valve and pressure regulator
- Filter indicator signals replacement to ensure optimal efficiency



234418

Ordering Information

| Part No. | Description                                                                                     | Air Inlet   | Air Outlet  | Air Flow Capacity | Max. Operating Pressure   |
|----------|-------------------------------------------------------------------------------------------------|-------------|-------------|-------------------|---------------------------|
| 234418   | 3 stage systems includes 234406, 234397 and 118560                                              |             |             |                   |                           |
| 234406   | Stage 1 - Air filter with auto drain, removes water and contaminants down to 5 microns          | 1/2" npt(f) | 1/2" npt(f) | 108 CFM           | 175 psi (1.2 MPa, 12 bar) |
| 234397   | Stage 2 - Coalescer with auto drain, removes oil and sub-micronic particles down to .01 microns | 1/2" npt(f) | 1/2" npt(f) | 70 CFM            | 175 psi (1.2 MPa, 12 bar) |
| 118560   | Stage 3 - Membrane air dryer, removes uncondensed moisture                                      | 1/2" npt(f) | 1/2" npt(f) | 30 CFM            | 175 psi (1.2 MPa, 12 bar) |
| 234394   | Self-relieving air regulator                                                                    | 3/8" npt(f) | 1/4" npt(f) | 100 CFM           | 160 psi (1.2 MPa, 11 bar) |
| U22695   | Shut off valve                                                                                  |             |             |                   |                           |

Instruction manual: [309920](#)



Air Preparation and Controls

Air Control Unit

Air Preparation Systems

- Ensures equipment is supplied with clean, dry air
- Reusable filter removes particles down to 5 microns
- Includes shut-off valve and pressure regulator ideal for controlling atomizing air for one or many spray guns
- Auto-drain eliminates manual emptying of filters



234398

234400

Ordering Information

| Part No. | Description                                                                                    | Max. Air Inlet Pressure      | Weight                 | Max. CFM                                   |
|----------|------------------------------------------------------------------------------------------------|------------------------------|------------------------|--------------------------------------------|
| 234398   | Air control unit, filtered main air outlet, two regulated outlets (Filter 234396)              | 160 psi<br>(1.1 MPa, 11 bar) | 5 lb 12 oz<br>(2.6 kg) | 120 CFM – Filter<br>50 CFM – Air Regulator |
| 234399   | Air control unit, filtered main air outlet with gauge, two regulated outlets (Filter 234396)   | 160 psi<br>(1.1 MPa, 11 bar) | 6 lb 4 oz<br>(2.8 kg)  | 120 CFM – Filter<br>50 CFM – Air Regulator |
| 234400   | Air control unit, filtered main air outlet with gauge, three regulated outlets (Filter 234396) | 160 psi<br>(1.1 MPa, 11 bar) | 7 lb 13 oz<br>(3.5 kg) | 120 CFM – Filter<br>50 CFM – Air Regulator |
| 234411   | Air control unit, filtered main air outlet, two regulated outlets (Filter 234410)              | 160 psi<br>(1.1 MPa, 11 bar) | 4 lb 13 oz<br>(2.2 kg) | 75 CFM – Filter<br>50 CFM – Air Regulator  |

Instruction manual: [309923](#)



Air Preparation and Controls

In-line Air Filters  
and Coalescers

Air Preparation Systems

- Reusable filter removes particles down to 5 microns
- Coalescer removes contaminants down to 0.01 microns
- Auto-drain eliminates manual emptying of filters
- Built-in filters change indicator signals replacement to ensure optimal efficiency



234408

234405

234409

Ordering Information

| Part No. | Description                                                            | Air Inlet    | Air Outlet   | Air Flow Capacity | Maximum Inlet Pressure    |
|----------|------------------------------------------------------------------------|--------------|--------------|-------------------|---------------------------|
| 234405   | Air filter/coalescer assembly (both with auto drain)                   | 1/2" npt (f) | 1/2" npt (f) | 70 CFM            | 175 psi (1.2 MPa, 12 bar) |
| 234406   | Stage 1 - Air filter with auto drain removes contaminants to 5 microns | 1/2" npt (f) | 1/2" npt (f) | 108 CFM           | 175 psi (1.2 MPa, 12 bar) |
| 234407   | Stage 2 - Coalescer with auto drain removes particles to 0.01 microns  | 1/2" npt (f) | 1/2" npt (f) | 70 CFM            | 175 psi (1.2 MPa, 12 bar) |
| 234408   | Air filter with auto drain removes contaminants to 5 microns           | 3/4" npt (f) | 3/4" npt (f) | 300 CFM           | 175 psi (1.2 MPa, 12 bar) |
| 234409   | Coalescer with auto drain removes particles to 0.01 microns            | 3/4" npt (f) | 3/4" npt (f) | 115 CFM           | 175 psi (1.2 MPa, 12 bar) |

Instruction manual: [309919](#)



## Air Preparation and Controls

### Low Pressure Air Regulators

#### Air Controls

- Accurate pressure regulation for consistent process control
- Lightweight design, ideal for use with spray guns
- Economical solution for air pressure regulation



### Ordering Information

| Part No. | Description                                                                                                                           | Inlet        | Outlet       | Handle | Max. Inlet Pressure          | Max. CFM                               |
|----------|---------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------|------------------------------|----------------------------------------|
| 234389   | Air regulator with gauge, self-relieving                                                                                              | 1/4" npt (m) | 1/4" npt (f) | Knob   | 160 psi<br>(1.1 MPa, 11 bar) | 22 CFM at 50 psi<br>(0.3 MPa, 3.5 bar) |
| 234390   | Mini-air regulator                                                                                                                    | 1/4" npt (f) | 1/4" npt (f) | Knob   | 160 psi<br>(1.1 MPa, 11 bar) | 22 CFM at 50 psi<br>(0.3 MPa, 3.5 bar) |
| 234391   | Air regulator, 2 regulated outlets and 1 non-regulated outlet                                                                         | 3/8" npt (f) | 1/4" npt (f) | Tee    | 175 psi<br>(1.2 MPa, 12 bar) | 50 CFM at 100 psi<br>(0.7 MPa, 7 bar)  |
| 234392   | Air regulator, 3 regulated outlets                                                                                                    | 3/8" npt (f) | 1/4" npt (f) | Tee    | 175 psi<br>(1.2 MPa, 12 bar) | 50 CFM at 100 psi<br>(0.7 MPa, 7 bar)  |
| 234393   | Air regulator 234391 with gauge & shut-off valve, 1 regulated outlet and 1 non-regulated outlet, 0-160 psi (0-1.1MPa, 0-11 bar) gauge | 3/8" npt (m) | 1/4" npt (f) | Tee    | 160 psi<br>(1.1 MPa, 11 bar) | 50 CFM at 100 psi<br>(0.7 MPa, 7 bar)  |
| 234394   | Air regulator 234392 with gauge & shut-off valve, 2 regulated outlets, 0-160 psi (0-1.1 MPa, 0-11 bar) gauge                          | 3/8" npt (m) | 1/4" npt (f) | Tee    | 160 psi<br>(1.1 MPa, 11 bar) | 50 CFM at 100 psi<br>(0.7 MPa, 7 bar)  |

Instruction manual [309924](#).



Air Preparation and Controls

Air Control System

Air Controls

- Several outlet options for multiple guns in compact package.
- Adjustable pressure ranges for multiple applications with one easy booth control.
- Ideal for supplying clean air to air spray guns and applicators.
- High quality valves and regulators ensure long life and accurate control.



217075

Ordering Information

| Part No. | Inlet npt | Outlet npt(m)                               | Manual                 |
|----------|-----------|---------------------------------------------|------------------------|
| 217075   | 1/2 (f)   | Two 1/4 regulated or<br>Two 1/4 unregulated | <a href="#">307476</a> |



Air Preparation and Controls

Air Filter

Filter

- Centrifugal filter element removes contaminants and water
- Visual indicator for viewing filter contents



106150

Ordering Information

| Part No. | Inlet/<br>Outlet | Max. WPR |      |      | Max CFM<br>at 100 psi<br>(m3/min) | Micron<br>Element | Material    | Size (w x h x d)<br>in (cm)         |
|----------|------------------|----------|------|------|-----------------------------------|-------------------|-------------|-------------------------------------|
|          |                  | psi      | bar  | MPa  |                                   |                   |             |                                     |
| 106150   | 3/4(fxf)         | 250      | 17.2 | 1.72 | 250 (7.0)                         | 40                | Zinc-plated | 4.0 x 8.8 x 7.8<br>(10 x 22 x 20)   |
| 112859   | 1(fxf)           | 250      | 17.2 | 1.72 | 350 (10.0)                        | 40                | Zinc-plated | 4.5 x 8.8 x 7.9<br>(12 x 22 x 20)   |
| 217074   | 1/2(fxf)         | 250      | 17.2 | 1.72 | 106 (3.0)                         | 40                | Zinc-plated | 3.0 x 7.5 x 6.6<br>(7.6 x 19 x 17)  |
| 106148   | 3/8(fxf)         | 250      | 17.2 | 1.72 | 77 (2.2)                          | 20                | Zinc-plated | 2.5 x 6.0 x 3.1<br>(6.4 x 15 x 7.9) |
| 106149   | 1/2(fxf)         | 250      | 17.2 | 1.72 | 106 (3.0)                         | 20                | Zinc-plated | 3.3 x 6.8 x 6.3<br>(8.3 x 17 x 16)  |



## Air Preparation and Controls

### Lubricators

- Lubricator automatically adds lubricant to air line
- Control knob adjusts lubrication amount
- Sight window for viewing and adjusting droplet size



214848

### Ordering Information

| Part No. | Inlet/<br>Outlet | Max. WPR |      |      | Material | Size (w x h x d)<br>in (cm) | Bowl Capacity |
|----------|------------------|----------|------|------|----------|-----------------------------|---------------|
|          |                  | psi      | bar  | MPa  |          |                             |               |
| 214848   | 1/2(f)           | 250      | 17.2 | 1.72 | Zinc     | 3.3 x 7.9<br>(8.3 x 20)     | 8 oz (0.24 l) |
| 214849   | 3/4(f)           | 250      | 17.2 | 1.72 | Zinc     | 4.0 x 9.9<br>(10.3 x 25.1)  | 16 oz (0.5 l) |

### Air Regulators

- Multiple outlets for connecting equipment, gauges, or ball valves
- Accurate adjustment of air pressure for process control



110318



104266

### Ordering Information

| Bare<br>Part No. | Assembly<br>Part No. | Inlet/<br>Outlet                                            | Gauge Ports<br>(npt) | Regulated Pressure |        |        | Max CFM<br>at 100 psi<br>(m3/min) | Material    |
|------------------|----------------------|-------------------------------------------------------------|----------------------|--------------------|--------|--------|-----------------------------------|-------------|
|                  |                      |                                                             |                      | psi                | bar    | MPa    |                                   |             |
| 104266           |                      | 1/2(f)                                                      | 1/4(f)               | 0-250              | 0-17.2 | 0-1.72 | 90 (2.5)                          | Zinc-plated |
|                  | 203716               | 1/2 90° swivel(f) x 3/8(m)                                  |                      |                    |        |        |                                   |             |
|                  | 202858               | 1/2 swivel(f) x 3/8(f)                                      |                      |                    |        |        |                                   |             |
|                  | 202156               | 1/2 x 3/8 bushing, gauge                                    |                      |                    |        |        |                                   |             |
|                  | 223815               | 1/2 swivel, ball valve, gauge<br>(also order nipple 162505) |                      |                    |        |        |                                   |             |
| 171937           |                      | 1/2(f)                                                      | 1/4(f)               | 0-250              | 0-17.2 | 0-1.72 | 90 (2.5)                          | Zinc-plated |
| 104815           |                      | 1/8(f)                                                      | 1/8(f)               | 0-60               | 0-4.1  | 0-0.41 | 15 (0.4)                          | Zinc-plated |
| 110318           |                      | 1/4(f)                                                      | 1/8(f)               | 0-180              | 0-12.4 | 0-1.24 | 15 (0.4)                          | Zinc-plated |
|                  | 110147               | 1/4(f)                                                      |                      |                    |        |        |                                   |             |
| 110341           |                      | 1/8(f)                                                      | 1/8(f)               | 0-125              | 0-8.6  | 0-0.86 | 39 (1.1)                          | Zinc-plated |
| 111804           |                      | 1/4(f)                                                      | 1/8(f)               | 0-125              | 0-8.6  | 0-0.86 | 39 (1.1)                          | Zinc-plated |
| 104267           |                      | 1/2(f)                                                      | 1/4(f)               | 0-125              | 0-8.6  | 0-0.86 | 90 (2.5)                          | Zinc-plated |
|                  | 206237               | 1/2 npsm(f) x 3/8 ball valve(m)                             |                      |                    |        |        |                                   |             |
| 171937           |                      | 1/2(f)                                                      | 1/4(f)               | 0-125              | 0-8.6  | 0-0.86 | 90 (2.5)                          | Zinc-plated |



## Pressure Regulators



Precise fluid control is crucial to any finishing process. Graco has a proven line of fluid pressure regulators to meet all of your finishing needs. Our experience provides us unique insight in to the ideal fluid pressure regulator for a wide array of finishing applications and materials.

### **Fluid Regulator**

Fluid pressure regulators control pressure of the downstream fluid, allowing operators to accurately control the pressure to guns, applicators and dispense valves. This ensures the process is stable and maintains the optimal conditions needed for a smooth paint finish, consistent extrusion or steady flow. Graco fluid regulators are designed with wear resistant materials for long life, even when using harsh materials. With decades of experience and continuous improvement, Graco has created some of the most reliable, high performance regulators in the industry.

### **Back Pressure Regulator**

Control upstream fluid pressure with Graco back pressure regulators. Our back pressure regulators use closed loop control to maintain the pressure of the system regardless of flow demand. This allows operators to trigger guns, valves, and other flow controls without changing the system pressure.



## Pressure Regulators Product Matrix

|                                           | Part Number                                                                                | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Wetted Parts | Type   | Inlet/<br>Outlet | Gauge<br>Port | Includes<br>Gauge |
|-------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------|---------------------------------|---------------------------|--------------|--------|------------------|---------------|-------------------|
| Low Pressure 0-499 psi (0-34 bar)         |  24E472   | 1-30 (0.06-2.0)           | Regulated Ratio 1:3             |                           | SST          | Air    | 1/4 M<br>1/8 F   |               | No                |
|                                           | 24E471                                                                                     | 1-50 (0.06-3.4)           | Regulated Ratio 1:2             |                           | SST          | Air    | 1/4 M<br>1/8 F   |               | No                |
|                                           | 24C375                                                                                     | 1-90 (0.06-6.2)           | Regulated Ratio 1:1             |                           | SST          | Air    | 1/4 M<br>1/8 F   |               | No                |
|                                           |  236449   | 100 (7)                   | 3-30 (0.2-2)                    | 0.5 (1.9)                 | Acetal       | Manual | 1/4 F<br>1/4 F   | 1/4 F         | Yes               |
|                                           | 241976                                                                                     | 100 (7)                   | 3-30 (0.2-2)                    | 0.5 (1.9)                 | Acetal       | Manual | 1/4 F<br>1/4 F   | 1/4 F         | No                |
|                                           | 236281                                                                                     | 100 (7)                   | 3-100 (0.2-7)                   | 0.5 (1.9)                 | Acetal       | Air    | 1/4 F<br>1/4 M   | 1/4 F         | Yes               |
|                                           | 236216                                                                                     | 100 (7)                   | 20-100 (1-7)                    | 0.5 (1.9)                 | Acetal       | Manual | 1/4 F<br>1/4 F   | 1/4 F         | Yes               |
|                                           | 236450                                                                                     | 100 (7)                   | 20-100 (1-7)                    | 0.5 (1.9)                 | Acetal       | Manual | 1/4 F<br>1/4 F   | 1/4 F         | Yes               |
|                                           |  214980  | 250 (17.5)                | 0-30 (0-2)                      | 3.0 (11.3)                | SST          | Air    | 3/8 F<br>3/8 F   | 1/4 F         | No                |
|                                           | 214895                                                                                     | 250 (17.5)                | 5-100 (0-7)                     | 3.0 (11.3)                | SST          | Manual | 3/8 F<br>3/8 F   | 1/4 F         | No                |
|                                           | 214706                                                                                     | 250 (17.5)                | 5-100 (0-7)                     | 3.0 (11.3)                | SST          | Manual | 3/8 F<br>3/8 F   | 1/4 F         | Yes               |
|                                           | 222115                                                                                     | 250 (17.5)                | 20-160 (1-11)                   | 3.0 (11.3)                | SST          | Manual | 3/8 F<br>3/8 F   | 1/4 F         | Yes               |
|                                           | 217314                                                                                     | 250 (17.5)                | 20-160 (1-11)                   | 3.0 (11.3)                | SST          | Manual | 3/8 F<br>3/8 F   | 1/4 F         | Yes               |
|                                           | 221118                                                                                     | 250 (17.5)                | 20-160 (1-11)                   | 3.0 (11.3)                | SST          | Manual | 3/8 F<br>3/8 F   | 1/4 F         | Yes               |
|                                           |  830351 | 250 (17.5)                | 3-100 (0.2-7)                   | 3.0 (11.3)                | SS           | Air    | 3/8 F<br>1/4 F   | None          | No                |
|                                           | 830352                                                                                     | 250 (17.5)                | 3-100 (0.2-7)                   | 3.0 (11.3)                | SS           | Air    | 3/8 F<br>1/4 F   | None          | No                |
|                                           | 830353                                                                                     | 250 (17.5)                | 3-100 (0.2-7)                   | 3.0 (11.3)                | SS           | Air    | 3/8 F<br>1/4 F   | None          | No                |
| Medium Pressure 500-3000 psi (34-207 bar) |  234272 | 580 (40)                  | 6-145 (0.4-10)                  | 7.0 (26.4)                | SS           | Air    | 3/8 F<br>3/8 F   | 1/8 BSPP      | No                |
|                                           | 234256                                                                                     | 580 (40)                  | 6-145 (0.4-10)                  | 7.0 (26.4)                | SS           | Air    | 3/8 F<br>3/8 F   | 1/8 BSPP      | No                |
|                                           |  234273 | 580 (40)                  | 15-145 (1-10)                   | 7.0 (26.4)                | SS           | Spring | 3/8 F<br>3/8 F   | 1/8 BSPP      | No                |
|                                           | 234263                                                                                     | 580 (40)                  | 15-290 (1-20)                   | 7.0 (26.4)                | SS           | Spring | 3/8 F<br>3/8 F   | 1/8 BSPP      | No                |
|                                           |  234267 | 1015 (70)                 | 145-725 (10-50)                 | 9.8 (37)                  | SS           | Spring | 3/8 F<br>3/8 F   | 1/8 BSPP      | No                |
|                                           |  222121 | 1500 (103)                | 150-1200 (10-83)                | 1.0 (3.7)                 | SST          | Manual | 1/4 F<br>1/4 F   | -             | No                |
|                                           | 240197                                                                                     | 1500 (103)                | 150-1200 (10-83)                | 1.0 (3.7)                 | SST          | Manual | 1/4 F<br>1/4 F   | 1/4 F         | Yes               |
|                                           | 240198                                                                                     | 1500 (103)                | 150-1200 (10-83)                | 1.0 (3.7)                 | SST          | Manual | 1/4 F<br>1/4 F   | 1/4 F         | Yes               |
|                                           |  234260 | 2600 (179)                | 600-1500 (41-103)               | 8.1 (30.6)                | SS           | Spring | 3/8 F<br>3/8 F   | -             | Yes               |
|                                           |  217576 | 3000 (206)                | 200-1000 (13-69)                | 3.5 (13.2)                | CS           | Manual | 3/8 F<br>1/4 F   | 1/4 F         | Yes               |
| High Pressure 3000+ psi (207+ bar)        |  234266 | 5000 (344)                | 70-900 (5-62)                   | 11.3 (42.7)               | SS           | Air    | 3/4 F<br>3/4 F   | 1/4 BSPP      | No                |
|                                           | 234270                                                                                     | 5000 (344)                | 300-2000 (20-138)               | 11.7 (44.2)               | SS           | Air    | 3/4 F<br>3/4 F   | 1/4 BSPP      | No                |
|                                           | 234271                                                                                     | 5000 (344)                | 600-4600 (41-317)               | 12.3 (46.5)               | SS           | Air    | 3/4 F<br>3/4 F   | 1/4 BSPP      | No                |
|                                           |  234259 | 5000 (344)                | 600-3600 (41-248)               | 10.6 (40.1)               | SS           | Air    | 3/8 F<br>3/8 F   | -             | No                |
|                                           |  234264 | 6000 (413)                | 1300-3000 (90-206)              | 8.2 (31.0)                | SS           | Spring | 3/8 F<br>3/8 F   | -             | No                |
|                                           | 234265                                                                                     | 6000 (413)                | 1300-4000 (90-275)              | 9.2 (34.8)                | SS           | Spring | 3/8 F<br>3/8 F   | -             | Yes               |
|                                           |                                                                                            |                           |                                 |                           |              |        |                  |               |                   |



## Pressure Regulators Product Matrix

|                                                  | Part Number                                                                         | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Wetted Parts | Type                                            | Inlet/<br>Outlet                    | Gauge<br>Port | Includes<br>Gauge |
|--------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|---------------------------------|---------------------------|--------------|-------------------------------------------------|-------------------------------------|---------------|-------------------|
| High Pressure 3000+ psi (207+ bar)               |    | 238893                    | 6000 (413)                      | 500-4000 (34-275)         | 1.0 (3.7)    | SST                                             | Air<br>3/8 F<br>3/8 F               | 1/4 F         | No                |
|                                                  |                                                                                     | 238894                    | 6000 (413)                      | 500-4000 (34-275)         | 1.0 (3.7)    | SST                                             | Air<br>3/8 F<br>3/8 F               | 1/4 F         | Yes               |
|                                                  |                                                                                     | 238891                    | 6000 (413)                      | 3000-5000 (206-344)       | 1.0 (3.7)    | SST                                             | Manual<br>3/8 F<br>3/8 F            | 1/4 F         | No                |
|                                                  |                                                                                     | 238892                    | 6000 (413)                      | 3000-5000 (206-344)       | 1.0 (3.7)    | SST                                             | Manual<br>1-1/4 F<br>1-1/4 F        | 1/4 F         | No                |
| Back Pressure (Low) 0-499 psi (0-34 bar)         |    | 208997                    | 180 (12)                        | 0-180 (0-12)              | 15 (56.7)    | SST                                             | Manual<br>1-1/4 F<br>1-1/4 F        | 1/4 F         | Yes               |
|                                                  |                                                                                     | 916154                    | 180 (12)                        | 0-180 (0-12)              | 15 (56.7)    | SST, Carbide                                    | Manual<br>1-1/4 F<br>1-1/4 F        | 1/4 F         | Yes               |
|                                                  |                                                                                     | 903508                    | 180 (12)                        | 0-180 (0-12)              | 15 (56.7)    | SST                                             | Manual<br>3/8 M<br>3/8 F            | 1/4 F         | Yes               |
|                                                  |    | 205122                    | 180 (12)                        | 0-180 (0-12)              | 2.0 (7.5)    | CS                                              | Manual<br>3/8 M<br>3/8 F            | 1/4 F         | Yes               |
|                                                  |                                                                                     | 237503                    | 180 (12)                        | 5-180 (0-12)              | 4.3 (16.2)   | SST                                             | Manual<br>3/8 M<br>3/8 F            | 1/4 F         | No                |
|                                                  |                                                                                     | 236770                    | 180 (12)                        | 5-180 (0-12)              | 4.3 (16.2)   | SST                                             | Manual<br>3/8 M<br>3/8 F            | 1/4 F         | Yes               |
|                                                  |   | 206019                    | 180 (12)                        | 0-180 (0-12)              | 15.0 (56.7)  | Aluminum                                        | Manual<br>1 F<br>1 F                | 1/4 F         | Yes               |
|                                                  |  | 224486                    | 300 (20.7)                      | 5-180 (0.3-12)            | 20 (75)      | SST, Acetal and PTFE                            | Manual<br>1-1/2 F                   | 1/4 npt(f)    | Yes               |
|                                                  |                                                                                     | 223824                    | 300 (20.7)                      | 5-180 (0.3-12)            | 20 (75)      | SST, Acetal and PTFE                            | Manual<br>2 in Sanitary             | 1/3 npt(f)    | Yes               |
|                                                  |  | 288117                    | 300 (20.7)                      | 25-250 (1.7-17)           | 20 (75)      | SST, Acetal and PTFE                            | Air<br>1-1/4 F                      | 1/4 npt(f)    | Yes               |
|                                                  |                                                                                     | 288311                    | 300 (20.7)                      | 25-250 (1.7-17)           | 20 (75)      | SST, Acetal and PTFE                            | Air<br>1-1/2 F                      | 1/4 npt(f)    | Yes               |
|                                                  |                                                                                     | 288262                    | 300 (20.7)                      | 25-250 (1.7-17)           | 20 (75)      | SST, Acetal and PTFE                            | Air<br>2 in Sanitary                | 1/4 npt(f)    | Yes               |
|                                                  |  | 234262                    | 145 (10)                        | 15-145 (1-10)             | 4.6 (17.4)   | SS                                              | Spring<br>3/8 F<br>3/8 F            | 1/8 BSPP      | No                |
|                                                  |                                                                                     | 234261                    | 290 (20)                        | 15-290 (1-20)             | 5.7 (21.5)   | SS                                              | Spring<br>3/8 F<br>3/8 F            | 1/8 BSPP      | No                |
|                                                  |                                                                                     | 234255                    | 290 (20)                        | 29-290 (2-20)             | 7.8 (29.5)   | SS                                              | Spring<br>3/8 F<br>3/8 F            | 1/8 BSPP      | No                |
|                                                  |  | 234257                    | 145 (10)                        | 15-145 (1-10)             | 4.6 (17.4)   | SS                                              | Air<br>3/8 F<br>3/8 F               | 1/8 BSPP      | No                |
|                                                  |  | 25R488                    | 300 (20.7)                      | 25-250 (1.7-17)           | 10 (38)      | SST, Acetal and PTFE                            | Spring<br>1.5 in tri-clamp sanitary | 1/4 F         | Yes               |
|                                                  |                                                                                     | 25R487                    | 300 (20.7)                      | 25-250 (1.7-17)           | 10 (38)      | SST, Acetal and PTFE                            | Air<br>1.5 in tri-clamp sanitary    | 1/4 F         | Yes               |
|                                                  |                                                                                     | 25R647                    | 300 (20.7)                      | 25-250 (1.7-17)           | 25 (95)      | SST, Acetal and PTFE                            | Spring<br>1.5 in tri-clamp sanitary | 1/4 F         | Yes               |
|                                                  |  | 25R457                    | 300 (20.7)                      | 25-250 (1.7-17)           | 25 (95)      | SST, Acetal and PTFE                            | Air<br>1.5 in tri-clamp sanitary    | 1/4 F         | Yes               |
| Back Pressure (Medium) 500-3000 psi (34-207 bar) |  | 234258                    | 725 (50)                        | 73-725 (5-50)             | 11.5 (43.5)  | SS                                              | Spring<br>3/8 F<br>3/8 F            | 1/8 BSPP      | No                |
|                                                  |  | 24T478                    | 3000 (206)                      | 100-1,000 (7-69)          | 5.0 (18.9)   | SST, Tungsten Carbide, PTFE, Acetal Homopolymer | Pneumatic<br>3/8 F                  | 1/4 F         | No                |
|                                                  |                                                                                     | 25T477                    | 3000 (206)                      | 250-2,000 (17-138)        | 5.0 (18.9)   | SST, Tungsten Carbide, PTFE, Acetal Homopolymer | Pneumatic<br>3/8 F                  | 1/4 F         | No                |
|                                                  |  | 25R490                    | 3000 (206)                      | 250-3,000 (17-206)        | 5.0 (18.9)   | SST, Tungsten Carbide, PTFE, Acetal Homopolymer | Pneumatic<br>3/8 F                  | 1/4 F         | No                |
|                                                  |  | 25R491                    | 3000 (206)                      | 250-3,000 (17-206)        | 5.0 (18.9)   | SST, Tungsten Carbide, PTFE, Acetal Homopolymer | Pneumatic<br>3/8 F                  | 1/4 F         | No                |



## Pressure Regulators

### Low Pressure Fluid Pressure Regulator

- Stainless steel wetted materials are compatible with catalyst and waterborne materials
- Removable adjustment key eliminates operator interference
- Manual quick flush mode ensures easy cleaning without impacting production settings
- Air operated model (214980) provides easy automation opportunities
- Low shear model (222115) uses laminar diaphragm valve to reduce material degradation and color matching issues, especially with metallic paint
- Tungsten and carbide materials ensure low wear and long life
- PTFE/Elastomer hybrid diaphragm withstands wear while maintaining accurate responsiveness



### Ordering Information

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Max Viscosity<br>in CPS | Wetted Parts                                                     | Type   | Inlet/<br>Outlet | Gauge Port | Gauge Included |
|----------|---------------------------|---------------------------------|---------------------------|-------------------------|------------------------------------------------------------------|--------|------------------|------------|----------------|
| 214980   | 250 (17.5)                | 0-30 (0-2)                      | 3.0 (11.3)                | 1000                    | Tungsten carbide, acetal resins, PTFE, 304 & 316 SST, nylon, PET | Air    | 3/8 F<br>3/8 F   | 1/4 F      | Yes            |
| 222115   | 250 (17.5)                | 20-160 (1-11)                   | 3.0 (11.3)                | 300                     | SST                                                              | Spring | 3/8 F<br>3/8 F   | 1/4 F      | Yes            |
| 214895   | 250 (17.5)                | 5-100 (0-7)                     | 3.0 (11.3)                | 1000                    | Tungsten carbide, acetal resins, PTFE, 304 & 316 SST, nylon, PET | Spring | 3/8 F<br>3/8 F   | 1/4 F      | No             |
| 214706   | 250 (17.5)                | 5-100 (0-7)                     | 3.0 (11.3)                | 1000                    | Tungsten carbide, acetal resins, PTFE, 304 & 316 SST, nylon, PET | Spring | 3/8 F<br>3/8 F   | 1/4 F      | Yes            |
| 217314   | 250 (17.5)                | 20-160 (1-11)                   | 3.0 (11.3)                | 1000                    | Tungsten carbide, acetal resins, PTFE, 304 & 316 SST, nylon, PET | Spring | 3/8 F<br>3/8 F   | 1/4 F      | Yes            |
| 221118   | 250 (17.5)                | 20-160 (1-11)                   | 3.0 (11.3)                | 1000                    | Tungsten carbide, acetal resins, PTFE, 304 & 316 SST, nylon, PET | Spring | 3/8 F<br>3/8 F   | 1/4 F      | No             |

Instruction manual [307212](#)



Pressure Regulators

Low Pressure  
Lightweight Composite  
Fluid Pressure Regulator

- Lightweight composite material is compatible with waterborne materials
- PTFE, stainless steel seat, and carbide ball provide wear resistance
- Air operated model (241976) provides easy automation opportunities
- Pressure adjustment key with locking mechanism protects production settings



236449

Ordering Information

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Max Viscosity<br>in CPS | Wetted Parts | Type   | Inlet/<br>Outlet | Gauge Port | Gauge Included |
|----------|---------------------------|---------------------------------|---------------------------|-------------------------|--------------|--------|------------------|------------|----------------|
| 236449   | 100 (7)                   | 3-30 (0.2-2)                    | 0.5 (1.9)                 | 1000                    | Acetal       | Spring | 1/4 F<br>1/4 F   | 1/4 F      | Yes            |
| 241976   | 100 (7)                   | 3-30 (0.2-2)                    | 0.5 (1.9)                 | 1000                    | Acetal       | Air    | 1/4 F<br>1/4 F   | 1/4 F      | No             |
| 236281   | 100 (7)                   | 3-100 (0.2-7)                   | 0.5 (1.9)                 | 1000                    | Acetal       | Spring | 1/4 F<br>1/4 M   | 1/4 F      | Yes            |
| 236216   | 100 (7)                   | 20-100 (1-7)                    | 0.5 (1.9)                 | 1000                    | Acetal       | Spring | 1/4 F<br>1/4 F   | 1/4 F      | No             |
| 236450   | 100 (7)                   | 20-100 (1-7)                    | 0.5 (1.9)                 | 1000                    | Acetal       | Spring | 1/4 F<br>1/4 F   | 1/4 F      | Yes            |

Composite construction. Instruction manual [308325](#)



Pressure Regulators

Precision Flow

Fluid Pressure Regulator

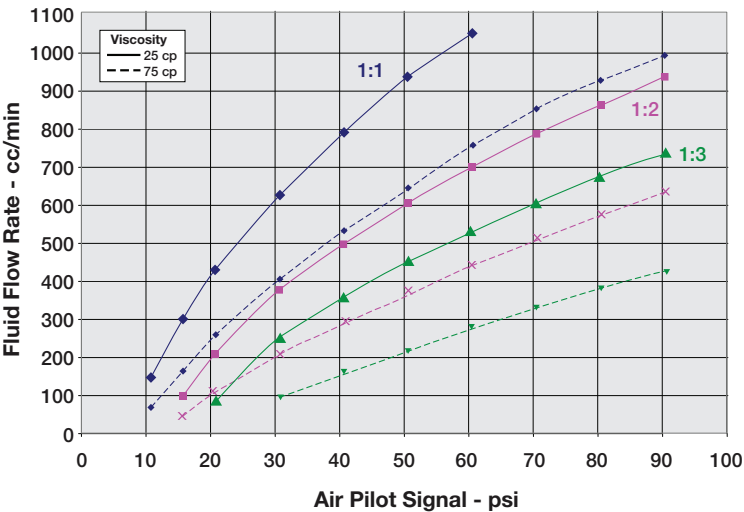
- Spring-less fluid path reduces maintenance and internal material build up
- Stainless steel wetted materials are compatible with catalyst and waterborne materials
- Air operated control for easy automation integration
- High-flow bypass provides quick flushing capabilities without adjusting production settings
- Compact and lightweight design saves space and reduces payload for robot integration



Ordering Information

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>Ratio | Ratio<br>Spacer | Wetted<br>Parts | Type | Inlet/<br>Outlet |
|----------|---------------------------|-----------------------------|-----------------|-----------------|------|------------------|
| 24C375   | 1-90 (0.06-6.2)           | 1:1                         | Silver          | SST             | Air  | 1/4 M<br>1/8 F   |
| 24E471   | 1-50 (0.06-3.4)           | 1:2                         | Green           | SST             | Air  | 1/4 M<br>1/8 F   |
| 24E472   | 1-30 (0.06-2.0)           | 1:3                         | Black           | SST             | Air  | 1/4 M<br>1/8 F   |

Instruction manual [3A0427](#)



Test conditions: 90 psi fluid inlet, 1.0 mm nozzle, 10 ft 1/4 ID hose



Pressure Regulators

High Pressure  
Corrosion Resistant  
Fluid Pressure Regulator

- Stainless steel wetted materials are compatible with catalyst and waterborne materials
- Air operated model (241976) provides easy automation opportunities
- Tungsten and carbide materials ensure low wear and long life
- Valve cartridge for quick cleaning and replacement – reduce downtime
- Glycerin filled gauge for accurate pressure reading



238889

238893

Ordering Information

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Max Viscosity<br>in CPS | Wetted Parts | Type   | Inlet/<br>Outlet | Gauge Port | Gauge Included |
|----------|---------------------------|---------------------------------|---------------------------|-------------------------|--------------|--------|------------------|------------|----------------|
| 238889   | 6000 (413)                | 500-3000<br>(34-206)            | 1.0 (3.7)                 | 15000                   | SST          | Spring | 3/8 F<br>3/8 F   | 1/4 F      | No             |
| 238890   | 6000 (413)                | 500-3000<br>(34-206)            | 1.0 (3.7)                 | 15000                   | SST          | Spring | 3/8 F<br>3/8 F   | 1/4 F      | Yes            |
| 238891   | 6000 (413)                | 3000-5000<br>(206-344)          | 1.0 (3.7)                 | 15000                   | SST          | Spring | 3/8 F<br>3/8 F   | 1/4 F      | No             |
| 238892   | 6000 (413)                | 3000-5000<br>(206-344)          | 1.0 (3.7)                 | 15000                   | SST          | Spring | 3/8 F<br>3/8 F   | 1/4 F      | No             |
| 238893   | 6000 (413)                | 500-4000<br>(34-275)            | 1.0 (3.7)                 | 15,000                  | SST          | Air    | 3/8 F<br>3/8 F   | 1/4 F      | No             |
| 238894   | 6000 (413)                | 500-4000<br>(34-275)            | 1.0 (3.7)                 | 15,000                  | SST          | Air    | 3/8 F<br>3/8 F   | 1/4 F      | Yes            |

Easy flush plug available. Instruction manual [308647](#).



Pressure Regulators

High Pressure  
Corrosion Resistant Mini  
Fluid Pressure Regulator

- Stainless steel wetted materials are compatible with catalyst and waterborne materials
- Pressure adjustment key with locking mechanism protects production settings
- Valve cartridge for quick cleaning and replacement – reduce downtime
- Compact and lightweight design saves space and reduces payload for spray packages
- Tungsten and carbide materials ensure low wear and long life



222121

Ordering Information

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Max Viscosity<br>in CPS | Wetted Parts | Type   | Inlet/<br>Outlet | Gauge Port | Gauge Included |
|----------|---------------------------|---------------------------------|---------------------------|-------------------------|--------------|--------|------------------|------------|----------------|
| 222121   | 1500 (103)                | 150-1200<br>(10-83)             | 1.0 (3.7)                 | 500                     | SST          | Spring | 1/4 F<br>1/4 F   | –          | No             |
| 240197   | 1500 (103)                | 150-1200<br>(10-83)             | 1.0 (3.7)                 | 500                     | SST          | Spring | 1/4 F<br>1/4 F   | 1/4 F      | Yes            |
| 240198   | 1500 (103)                | 150-1200<br>(10-83)             | 1.0 (3.7)                 | 500                     | SST          | Spring | 1/4 F<br>1/4 F   | 1/4 F      | Yes            |

Unique bottom replaceable cartridge. Instruction manual [307886](#).



Pressure Regulators

Medium Pressure  
Fluid Pressure Regulator

- Tungsten and carbide materials ensure low wear and long life
- Plated carbon steel housing is compatible with solvent-borne materials
- Laser-marked indication lines for easy pressure adjustment and process control
- Ergonomic adjustment knob



217576

Ordering Information

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Max Viscosity<br>in CPS | Wetted Parts | Type   | Inlet/<br>Outlet | Gauge Port | Gauge Included |
|----------|---------------------------|---------------------------------|---------------------------|-------------------------|--------------|--------|------------------|------------|----------------|
| 217576   | 3000 (206)                | 200-1000<br>(13-69)             | 3.5 (13.2)                | 500                     | CS           | Spring | 3/8 F<br>1/4 F   | 1/4 F      | No             |
| 206661   | 3000 (206)                | 1000-3000<br>(69-206)           | 3.5 (13.2)                | 500                     | CS           | Spring | 3/8 F<br>1/4 F   | 1/4 F      | No             |

Airless, solvent based systems. Instruction manual [306878](#).



## Pressure Regulators

### Low Shear High Wear Resistant Fluid Back Pressure Regulator (BPR)

- Patent-pending flow path geometry provides industry-leading low shear capability
- Ultralife series ceramic coated seat and flow director significantly increase wear resistance capability and service life
- Best in class performance in holds pressure constant while flow rate changes
- Two sizes accommodate a broad range of flow rates
- Connecting with sanitary flanges ensures easy installation and clean flushing
- Low profile, compact design and backwards compatibility mean easy installation and replacement
- Air operated models work with Intelligent Paint Kitchen (IPK) control to reduce energy consumption and paint shear



25R488



25R487

### Ordering Information

| Part No. | Max Pressure psi (bar) | Regulated Pressure psi (bar) | Max Delivery gpm (lpm) | Max Viscosity in CPS | Wetted Parts         | Type   | Inlet/Outlet              | Gauge Port | Gauge Included |
|----------|------------------------|------------------------------|------------------------|----------------------|----------------------|--------|---------------------------|------------|----------------|
| 25R488   | 300 (20.7)             | 5-250 (0.3-17)               | 10 (38)                | 1000                 | SST, Acetal and PTFE | Spring | 1/2 in tri-clamp sanitary | 1/4 npt(f) | Yes            |
| 25R487   | 300 (20.7)             | 5-250 (0.3-17)               | 10 (38)                | 1000                 | SST, Acetal and PTFE | Air    | 1/2 in tri-clamp sanitary | 1/4 npt(f) | Yes            |
| 25R647   | 300 (20.7)             | 5-250 (0.3-17)               | 25 (95)                | 1000                 | SST, Acetal and PTFE | Spring | 1/2 in tri-clamp sanitary | 1/4 npt(f) | Yes            |
| 25R457   | 300 (20.7)             | 5-250 (0.3-17)               | 25 (95)                | 1000                 | SST, Acetal and PTFE | Air    | 1/2 in tri-clamp sanitary | 1/4 npt(f) | Yes            |

| Part Number | Description                                                                                                                           |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 25T509      | Conversion kit - converts a 25R647 (Higher Flow Mechanical) spring-operated back pressure regulator to a pneumatic-operated regulator |
| 25T508      | Conversion kit - converts a 25R488 (Lower Flow Mechanical) spring-operated back pressure regulator to a pneumatic-operated regulator  |
| 25R842      | High-Flo diaphragm repair kit used for 25R647 and 25R457                                                                              |
| 25T507      | Low-Flo diaphragm repair kit used for 25R488 and 25R487                                                                               |

| Part Number | Description | Size             | Connection   | Length |                |
|-------------|-------------|------------------|--------------|--------|----------------|
| 19A834      | Adapter     | 1.5" sanitary to | 2 in NPT     | male   | 2.0 in (54 mm) |
| 17H273      | Adapter     |                  | 1-1/4 in NPT | male   | 1.9 in (50 mm) |
| 17G576      | Adapter     |                  | 1-1/2 in NPT | male   | 2.2 in (56 mm) |
| 17F440      | Adapter     |                  | 1 in NPT     | male   | 2.0 in (54 mm) |
| 17K780      | Adapter     |                  | 1 in NPT     | female | 2.3 in (57 mm) |

Instruction manual [3A7527A](#).



## Pressure Regulators

### Medium Pressure

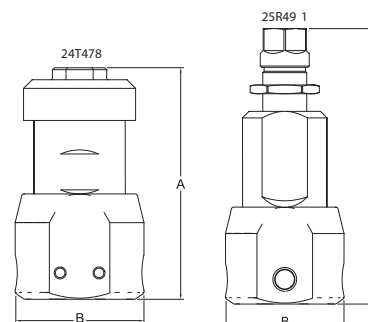
#### Fluid Back Pressure Regulator (BPR)

- Medium pressure options include three pneumatic (1000 psi, 2000 psi, 3000 psi) BPRs and one mechanical (3000 psi) BPR
- Interface with the Graco's Intelligent Paint Kitchen (IPK), controlling pressure and flow without human intervention
- Offer better resolution than other brands, adjusting more accurately to keep fluid pressure at desired levels
- Locking nut feature prevents set up of mechanical BPR from loosening caused by vibration



#### Dimensions

| Part Number | Inlet             | A                 | B                |
|-------------|-------------------|-------------------|------------------|
| 24T478      | Air Operated Type | 4.84 in. (123 mm) | 2.38 in. (60 mm) |
| 25T477      | Air Operated Type | 4.84 in. (123 mm) | 2.38 in. (60 mm) |
| 25R490      | Air Operated Type | 4.84 in. (123 mm) | 2.38 in. (60 mm) |
| 25R491      | Mechanical        | 6.25 in. (159 mm) | 2.38 in. (60 mm) |



#### Ordering Information

| Part Number | Type       | Maximum Pressure | Regulated Pressure | Flow Rate | Maximum Air Pressure | Inlet/Outlet Size | Wet Parts                                                   |
|-------------|------------|------------------|--------------------|-----------|----------------------|-------------------|-------------------------------------------------------------|
| 25T478      | Pneumatic  | 3000 psi         | 100 – 1000 psi     | 0 – 5 gpm | 100 psi              | 3/8 in. npt       | Stainless Steel, Tungsten Carbide, PTFE, Acetal Homopolymer |
| 25T477      | Pneumatic  | 3000 psi         | 250 – 2000 psi     | 0 – 5 gpm | 100 psi              | 3/8 in. npt       |                                                             |
| 25R490      | Pneumatic  | 3000 psi         | 250 – 3000 psi     | 0 – 5 gpm | 100 psi              | 3/8 in. npt       |                                                             |
| 25R491      | Mechanical | 3000 psi         | 250 – 3000 psi     | 0 – 5 gpm | 100 psi              | 3/8 in. npt       |                                                             |

#### Accessories

| Part Number | Type                   | Inlet          | Maximum WPR |     |     | Wetted Parts | Case Description  | Wet Parts | Mount Style |
|-------------|------------------------|----------------|-------------|-----|-----|--------------|-------------------|-----------|-------------|
|             |                        |                | psi         | bar | MPa |              |                   |           |             |
| 105770      | Stainless Steel Gauges | 1/4 in. npt(m) | 1000        | 69  | 6.9 | Brass        | SST liquid filled | 2.5 (64)  | Bottom      |
| 17L706      | Stainless Steel Gauges | 1/4 in. npt(m) | 3000        | 200 | 20  | SST          | SST liquid filled | 2.5 (64)  | Bottom      |

For installation and operation instructions, use manual [3A7681](#)



Pressure Regulators

Low Pressure  
Corrosion Resistant  
Fluid Back Pressure Regulator (BPR)

- Stainless steel wetted materials are compatible with catalyst and waterborne materials
- Hardened stainless steel seat ensure low wear and long life
- PTFE/Elastomer hybrid diaphragm withstands wear while maintaining accurate responsiveness
- Large orifice accommodates high volume flow rates
- Air operated models available for automated control, Conversion kit (15J498)



208997

Ordering Information

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Max Viscosity<br>in CPS | Wetted Parts | Type   | Inlet/<br>Outlet   | Gauge Port | Gauge Included |
|----------|---------------------------|---------------------------------|---------------------------|-------------------------|--------------|--------|--------------------|------------|----------------|
| 208997   | 180 (12)                  | 0-180<br>(0-12)                 | 15.0 (56.7)               | 1000                    | SST          | Spring | 1-1/4 F<br>1-1/4 F | 1/4 F      | Yes            |
| 916154   | 180 (12)                  | 0-180<br>(0-12)                 | 15.0 (56.7)               | 1000                    | SST, Carbide | Spring | 1-1/4 F<br>1-1/4 F | 1/4 F      | Yes            |
| 903508   | 180 (12)                  | 0-180<br>(0-12)                 | 15.0 (56.7)               | 1000                    | SST          | Spring | 1 F<br>1-1/4 F     | 1/4 F      | Yes            |

Instruction manual [307107](#).

Conversion kit 15J498 - converts a 208997 spring operated back pressure regulator to a pneumatic back pressure regulator.

Repair kit 15J820 - diaphragm repair kit with standard stainless steel seat.

Repair kit 15J822 - carbide repair kit for back pressure regulator.



Pressure Regulators

Low Pressure Mini  
Fluid Back Pressure Regulator (BPR)

- Stainless steel wetted materials are compatible with catalyst and waterborne materials
- Tungsten and carbide materials ensure low wear and long life
- Compact and lightweight design saves space and reduces payload for small circulation systems
- PTFE/Elastomer hybrid diaphragm withstands wear while maintaining accurate responsiveness
- Air operated model available for automated control, Conversion kit (237448)



205122

Ordering Information

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Max Viscosity<br>in CPS | Wetted Parts | Type   | Inlet/<br>Outlet | Gauge Port | Gauge Included |
|----------|---------------------------|---------------------------------|---------------------------|-------------------------|--------------|--------|------------------|------------|----------------|
| 205122   | 180 (12)                  | 0-180<br>(0-12)                 | 2.0 (7.5)                 | 1000                    | CS           | Spring | 3/8 M<br>3/8 F   | 1/4 F      | Yes            |
| 237503   | 180 (12)                  | 5-180<br>(0-12)                 | 4.3 (16.2)                | 1000                    | SST          | Spring | 3/8 M<br>3/8 F   | 1/4 F      | No             |
| 236770   | 180 (12)                  | 5-180<br>(0-12)                 | 4.3 (16.2)                | 1000                    | SST          | Spring | 3/8 M<br>3/8 F   | 1/4 F      | Yes            |

Instruction manual [308401](#).



## Pressure Regulators

### Air Operated Corrosion Resistant Fluid Back Pressure Regulator (BPR)

- PTFE/Elastomer hybrid diaphragm withstands wear while maintaining accurate responsiveness
- Stainless steel wetted materials are compatible with catalyst and waterborne materials
- Hardened stainless steel seat ensure low wear and long life
- Large orifice accommodates high volume flow rates
- Air operated for remote automated control to eliminate operator interference
- Implement sleep mode to reduce pump energy consumption during non-production



288262

### Ordering Information

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Max Viscosity<br>in CPS | Wetted Parts         | Type | Inlet/<br>Outlet | Gauge Port | Gauge Included |
|----------|---------------------------|---------------------------------|---------------------------|-------------------------|----------------------|------|------------------|------------|----------------|
| 288117   | 300 (20.7)                | 25-250<br>(1.7-17)              | 20 (75)                   | 1000                    | SST, Acetal and PTFE | Air  | 1-1/4 npt(f)     | 1/4 npt(f) | Yes            |
| 288311   | 300 (20.7)                | 25-250<br>(1.7-17)              | 20 (75)                   | 1000                    | SST, Acetal and PTFE | Air  | 1-1/2 npt(f)     | 1/4 npt(f) | Yes            |
| 288262   | 300 (20.7)                | 25-250<br>(1.7-17)              | 20 (75)                   | 1000                    | SST, Acetal and PTFE | Air  | 2 in Sanitary    | 1/4 npt(f) | Yes            |

| Part Number | Description                                                                                                       |
|-------------|-------------------------------------------------------------------------------------------------------------------|
| 15J498      | Conversion kit - converts a 208997 spring operated back pressure regulator to a pneumatic back pressure regulator |
| 15J820      | Diaphragm repair kit with standard stainless steel seat                                                           |
| 15J821      | High-Flo diaphragm repair kit with standard stainless steel seat                                                  |
| 15J822      | Diaphragm repair kit with standard carbide seat                                                                   |

Instruction manual [311595](#).



Pressure Regulators

Corrosion Resistant  
Fluid Back Pressure Regulator (BPR)

- Stainless steel membrane diaphragm is highly wear resistant while maintaining accurate responsiveness
- Low shear diaphragm valve has minimal restriction to reduce material degradation and color matching issues, especially with metallic paint
- Stainless steel wetted parts are compatible with catalyst and waterborne materials
- Large fluid passages accommodate high volume flow rates



223824

Ordering Information

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Max Viscosity<br>in CPS | Wetted Parts         | Type   | Inlet/<br>Outlet | Gauge Port | Gauge Included |
|----------|---------------------------|---------------------------------|---------------------------|-------------------------|----------------------|--------|------------------|------------|----------------|
| 224486   | 300 (20.7)                | 5-180 (0.3-12)                  | 20 (75)                   | 1000                    | SST, Acetal and PTFE | Spring | 1-1/2 F          | 1/4 F      | Yes            |
| 223824   | 300 (20.7)                | 5-200 (0.3-13)                  | 20(75)                    | 1000                    | SST, Acetal and PTFE | Spring | 2 in Sanitary    | 1/4 F      | Yes            |

Instruction manual [308115](#).



Pressure Regulators

Low Pressure  
Fluid Back Pressure Regulator (BPR)

- Electroless nickel plated aluminum housing with smooth flow orifices
- Tungsten and carbide materials to resist wear
- PTFE/Elastomer hybrid diaphragm withstands wear while maintaining accurate responsiveness
- Compatible with solvent-borne materials



Ordering Information

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Max Viscosity<br>in CPS | Wetted Parts | Type   | Inlet/<br>Outlet | Gauge Port | Gauge Included |
|----------|---------------------------|---------------------------------|---------------------------|-------------------------|--------------|--------|------------------|------------|----------------|
| 206019   | 180 (12)                  | 0-180<br>(0-12)                 | 15.0 (56.7)               | 1000                    | Alum         | Spring | 1 F<br>1 F       | 1/4 F      | Yes            |

Instruction manual [306770](#).



## Pressure Regulators

### High Pressure

#### Fluid Back Pressure Regulator (BPR)

- Tungsten and carbide materials ensure low wear and long life
- Plated carbon steel housing is compatible with solvent-borne materials
- Laser-marked indication lines for easy pressure adjustment and process control
- Ergonomic adjustment knob



#### Ordering Information

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Max Viscosity<br>in CPS | Wetted Parts | Type   | Inlet/<br>Outlet | Gauge Port | Gauge Included |
|----------|---------------------------|---------------------------------|---------------------------|-------------------------|--------------|--------|------------------|------------|----------------|
| 222405   | 3000 (207)                | 0 - 1000<br>(0 - 70)            | 3.5 (13.3)                | 500                     | CS           | Spring | 1/4 F<br>1/4 F   | 1/4 F      | No             |
| 206819   | 3000 (207)                | 1000 - 3000<br>(70 - 207)       | 3.5 (13.3)                | 500                     | CS           | Spring | 1/4 F<br>1/4 F   | 1/4 F      | No             |
| 238926   | 3000 (207)                | 1000 - 3000<br>(70 - 207)       | 3.5 (13.3)                | 500                     | SST          | Spring | 1/4 F<br>1/4 F   | 1/4 F      | No             |

High pressure, solvent coatings. Instruction manual [306860](#).

| Part No. | Max Pressure<br>psi (bar) | Regulated Pressure<br>psi (bar) | Max Delivery<br>gpm (lpm) | Max Viscosity<br>in CPS | Wetted Parts | Type   | Inlet/<br>Outlet | Gauge Port | Gauge Included |
|----------|---------------------------|---------------------------------|---------------------------|-------------------------|--------------|--------|------------------|------------|----------------|
| 234268   | 2500 (172)                | 600 - 1500<br>(41 - 103)        | 10.2 (38.6)               | —                       | SS           | Spring | 3/8 F            | —          | No             |
| 234269   | 3400 (234)                | 1300 - 3000<br>(89 - 207)       | 13.1 (49.5)               | —                       | SS           | Spring | 3/8 F            | —          | No             |

Solvent/water based. Instruction manual [309475](#).



## Pressure Regulators

### Gun-Mounted Fluid Regulators

#### Gun-Mounted Regulator

- Stainless steel materials are compatible with catalyst and waterborne materials
- Easy and accurate pressure adjustment at the gun to fine tune pressure settings during production
- Connects quickly to spray guns using twistlock connector
- Circulate materials through the regulator to ensure a uniform fluid suspension and eliminate material stagnation



#### Ordering Information

| Part No. | Inlet/<br>Outlet | Max. Inbound Fluid |     |     | Regulated Pressure |         |           | Wetted<br>Parts |
|----------|------------------|--------------------|-----|-----|--------------------|---------|-----------|-----------------|
|          |                  | psi                | bar | MPa | psi                | bar     | MPa       |                 |
| 223621   | 3/8 twistlock    | 200                | 14  | 1.4 | 5-35               | 0.3-2.4 | 0.03-0.24 | SST             |

Note: 3/8 twistlock outlet to gun. Regulator to gun fitting 223628 twistlock. Instruction manual [307016](#).

| Part No. | Inlet/<br>Outlet | Max. Inbound Fluid |     |     | Regulated Pressure |         |           | Wetted<br>Parts |
|----------|------------------|--------------------|-----|-----|--------------------|---------|-----------|-----------------|
|          |                  | psi                | bar | MPa | psi                | bar     | MPa       |                 |
| 208082   | 1/4 npsm(m)      | 200                | 14  | 1.4 | 5-35               | 0.3-2.4 | 0.03-0.24 | SST             |

Note: 208085 regulator to gun fitting. Instruction manual [307016](#).

| Part No. | Inlet/<br>Outlet | Max. Inbound Fluid |     |     | Regulated Pressure |         |           | Wetted<br>Parts |
|----------|------------------|--------------------|-----|-----|--------------------|---------|-----------|-----------------|
|          |                  | psi                | bar | MPa | psi                | bar     | MPa       |                 |
| 223622   | 3/8 npsm(f)      | 200                | 14  | 1.4 | 5-35               | 0.3-2.4 | 0.03-0.24 | SST             |

Note: Regulator to gun fitting 223628 twistlock. Direct to gun fitting. Instruction manual [307016](#).

| Part No. | Inlet/<br>Outlet | Max. Inbound Fluid |     |     | Regulated Pressure |         |           | Wetted<br>Parts |
|----------|------------------|--------------------|-----|-----|--------------------|---------|-----------|-----------------|
|          |                  | psi                | bar | MPa | psi                | bar     | MPa       |                 |
| 223623   | 3/8 twistlock    | 200                | 14  | 1.4 | 5-35               | 0.3-2.4 | 0.03-0.24 | SST             |

Note: Regulator to gun fitting 223628 twistlock. Instruction manual [307016](#).



## Pressure Regulators

### Fluid Restrictor Valves

#### Tamper-Resistant Valves

- Manually adjust flow settings at the gun
- Tamper resistant adjustment knob to eliminate operator interference
- Circulate materials through the valve to ensure a uniform fluid suspension and eliminate material stagnation
- Stainless steel materials are compatible with catalyst and waterborne materials



223617



223619

### Ordering Information

| Part No. | Inlet/<br>Outlet | Max. Inbound Fluid |     |     | Wetted<br>Parts |
|----------|------------------|--------------------|-----|-----|-----------------|
|          |                  | psi                | bar | MPa |                 |
| 223617   | 1/4 npsm(m)      | 300                | 21  | 2.1 | SST             |

Note: 3/8 twistlock outlet to gun. Valve to gun fitting 223628 twistlock.  
Instruction manual [307751](#).

| Part No. | Inlet/<br>Outlet | Max. Inbound Fluid |     |     | Wetted<br>Parts |
|----------|------------------|--------------------|-----|-----|-----------------|
|          |                  | psi                | bar | MPa |                 |
| 223618   | 3/8 npsm(m)      | 300                | 21  | 2.1 | SST             |

Instruction manual [307751](#).

| Part No. | Inlet/<br>Outlet | Max. Inbound Fluid |     |     | Wetted<br>Parts |
|----------|------------------|--------------------|-----|-----|-----------------|
|          |                  | psi                | bar | MPa |                 |
| 223619   | 1/4 npsm(m)      | 300                | 21  | 2.1 | SST             |

Note: 3/8 npsm(f) swivel. Instruction manual [307751](#).

| Part No. | Inlet/<br>Outlet | Max. Inbound Fluid |     |     | Wetted<br>Parts |
|----------|------------------|--------------------|-----|-----|-----------------|
|          |                  | psi                | bar | MPa |                 |
| 223620   | 3/8 npsm(m)      | 300                | 21  | 2.1 | SST             |

Note: 3/8 npsm(f) coupler. Instruction manual [307751](#).

Note: Restrictor valves require tool 220102 to adjust.



Pressure Regulators

Fluid Adaptors

Gun Fittings

- Stainless steel construction
- Quick couplers automatically seal once disconnected
- Quickly change between guns, regulators, and lines to reduce setup, changeover, and maintenance time
- Don't flush through guns tips, disconnect and flush through quick connects. Reduce flushing time and avoid premature tip wear.
- Provide flexibility for operators, especially those that own or maintain their own guns. Promote daily maintenance.
- Compatible with Graco Gun Regulators and Restrictors



Ordering Information

| Part No. | Inlet/Outlet     | Maximum WPR |      |      | Inlet & Return Ports | Outlet        | Material | Manual                 |
|----------|------------------|-------------|------|------|----------------------|---------------|----------|------------------------|
|          |                  | psi         | bar  | MPa  |                      |               |          |                        |
| • 223627 | Coupler stem     | 200         | 14   | 1.4  | Twistlock (m)        | 3/8 npsm (f)  | SST      | <a href="#">307016</a> |
| • 223624 | Straight adapter | 200         | 14   | 1.4  | 3/8 npsm (m)         | Twistlock (f) | SST      | <a href="#">307016</a> |
| • 223625 | Straight adapter | 300         | 20.7 | 2.07 | 3/8 npsm (m)         | Twistlock (f) | SST      | <a href="#">307016</a> |
| • 223628 | Coupler stem     | 300         | 20.7 | 2.07 | Twistlock (m)        | 3/8 npsm (f)  | SST      | <a href="#">307016</a> |



## Surge Suppressors



**Surge Suppressors** are a simple and reliable way to reduce pulsation and assure smooth fluid transfer throughout your finishing system. Graco surge suppressors were designed specifically for the finishing industry from decades of pump technology research. The streamlined fluid path ensures low shear, smooth fluid flow, and superior flush ability.



Surge Suppressors

Active Surge Suppressors

- Work off compressed air available in most manufacturing facilities
- Active air pressure compensation eliminates the need for periodic air pressure check and recharge
- Automatic adjustment of pressure in air section eliminates the need for manual adjustment based on fluid pressure
- Improved flushability makes color changes quick and easy
- Backup seal helps prevent paint from leaking out in case of diaphragm rupture
- Mount on pump, wall, or floor
- Stainless steel and PTFE materials are compatible with many finishing materials



Ordering Information

| Part No. | Inlet/<br>Outlet | Maximum Charge<br>Air Pressure psi | Maximum Inbound Fluid |     |     | Max. Delivery |     | Wetted Parts | Manual                  |
|----------|------------------|------------------------------------|-----------------------|-----|-----|---------------|-----|--------------|-------------------------|
|          |                  |                                    | psi                   | bar | MPa | gpm           | lpm |              |                         |
| 17W739   | 1 x 1-1/4        | 100                                | 300                   |     |     | 10            |     |              | <a href="#">3A6103A</a> |



Surge Suppressors

High Flow  
Surge Suppressors

- Reduces pulsation for consistent material delivery and uniform spray pattern
- Stainless steel and PTFE materials are compatible with many finishing materials
- In-line flow configuration is easy to flush, making color changes quick and easy
- Multiple fluid connection options accommodate global system requirements
- Ideal for large, high flow rate systems



238986

Ordering Information

| Part No. | Description         | Inlet/<br>Outlet npt | Maximum WPR |     |     | Max. Delivery |     | Material                              | Manual                 |
|----------|---------------------|----------------------|-------------|-----|-----|---------------|-----|---------------------------------------|------------------------|
|          |                     |                      | psi         | bar | MPa | gpm           | lpm |                                       |                        |
| 238986   | Surge Tank          | 2                    | 300         | 21  | 2.1 | 20            | 76  | SST, PTFE                             | <a href="#">307707</a> |
| 238987   | High-Flo Surge Tank | 2*                   | 300         | 21  | 2.1 | 20            | 76  | SST, PTFE                             | <a href="#">307707</a> |
| 238988   | High-Flo Surge Tank | 1-1/2*               | 300         | 21  | 2.1 | 20            | 76  | SST, PTFE                             | <a href="#">307707</a> |
| 218509   | High-Flo Surge Tank | 2*                   | 600         | 42  | 4.2 | 20            | 76  | Carbide, SST<br>UHMWPE, Viton<br>PTFE | <a href="#">307707</a> |

\*Sanitary Tri-Clamp compatible  
Note: Maximum flow rates are recommended maximums for peak performance. Exceeding these values reduces the surge tanks ability to dampen pulsation.



Surge Suppressors

In-line  
Surge Suppressor

- Stainless steel and PTFE materials are compatible with many finishing materials
- Reduces pulsation for consistent material delivery and uniform spray pattern
- In-line flow configuration is easy to flush, making color changes quick and easy



220157

Ordering Information

| Part No. | Inlet/<br>Outlet npt | Maximum Inbound Fluid |     |     | Max. Delivery |     | Wetted Parts                         | Manual                 |
|----------|----------------------|-----------------------|-----|-----|---------------|-----|--------------------------------------|------------------------|
|          |                      | psi                   | bar | MPa | gpm           | lpm |                                      |                        |
| 220157   | 1 x 1-1/4<br>npt(f)  | 600                   | 42  | 4.2 | 15            | 57  | Carbine, SST, UHMWPE,<br>Viton, PTFE | <a href="#">307707</a> |



Surge Suppressors

Tee Surge Suppressor

- Stainless steel and PTFE materials are compatible with many finishing materials
- Reduces pulsation for consistent material delivery and uniform spray pattern
- Isolate the surge tank and perform on-line maintenance with tee configuration



233736

Ordering Information

| Part No. | Inlet/<br>Outlet npt | Maximum Inbound Fluid |     |     | Wetted Parts | Manual                 |
|----------|----------------------|-----------------------|-----|-----|--------------|------------------------|
|          |                      | psi                   | bar | MPa |              |                        |
| • 233736 | 3/4<br>BSPP(f)       | 360                   | 25  | 2.5 | SST, PTFE    | <a href="#">307707</a> |

- Waterborne compatible



## Filters



Safe guard your process by removing contaminants from your circulation line. Graco has a high quality filter solution for a wide range of pressure and flow rates.

### Bag Filter

Bag filters are a great solution for filtering high volumes of liquid. They are simple, economical, and effective. This filter works well in conjunction with any of our high quality, high volume pumps. Graco's high capacity filters extend the time between filter changes which is ideal for large circulation systems in which downtime is not an option.

### Red Alert

Red Alert filters are a unique filtering option. The integrated Red Alert Pop Up Indicator signals the user that it is time to change the filter. This minimizes operator error and the need for check sheets or maintenance schedules. It also keeps filters from clogging and ensures your operation runs more efficiently.

### High Pressure

Graco's high pressure filter is ideal for high or low pressure finishing applications to reduce material usage during flushing to save you money. The design also resists wear and damage from even the most corrosive and abrasive materials. Whether used on a spray package, a 2K catalyst system or circulation out-feed, this versatile filter won't let you down.



## Filters

### Stainless Steel High Pressure Filter

#### Filters

- Compatible with catalyst and waterborne materials
- Many porting options for different gauge, drain valve, and fluid line options
- Compact size is ideal for spray packages



#### Ordering Information

| Part No. | Description                                 | Area/sq. |     | Mesh | Inlet/<br>Outlet npt                            | Maximum WPR |     |      | Material     | Manual                 |
|----------|---------------------------------------------|----------|-----|------|-------------------------------------------------|-------------|-----|------|--------------|------------------------|
|          |                                             | in       | cm  |      |                                                 | psi         | bar | MPa  |              |                        |
| • 223160 | Filter assembly                             | 18       | 116 | 60   | 3/8(f)<br>1/4(m)                                | 5000        | 345 | 34.5 | 304, 316 SST | <a href="#">307273</a> |
| • 239800 | Filter assembly                             | 18       | 116 | 100  | 3/8(f)<br>1/4(m)                                | 5000        | 345 | 34.5 | 304, 316 SST | <a href="#">307273</a> |
| • 238782 | Filter assembly for<br>high solids material | 18       | 116 | 30   | 3/8(f)<br>outlets: 3/8, 1/4, 1/4<br>bottom: 1/4 | 5000        | 345 | 34.5 | 304, 316 SST | <a href="#">308611</a> |
| 240183   |                                             | 18       | 116 | 60   | 1/2(f) x 1/2(f)                                 | 5000        | 345 | 34.5 | 304 SST      | <a href="#">307273</a> |

#### Replacement Screen Elements

| 25-Count Carton<br>Part No. | 2-Pack<br>Part No. | Area/sq. |     | Mesh | Material |
|-----------------------------|--------------------|----------|-----|------|----------|
|                             |                    | in       | cm  |      |          |
| • 238436                    | 224458             | 18       | 116 | 30   | SST      |
| • 238438                    | 224459             | 18       | 116 | 60   | SST      |
| • 238440                    | 224468             | 18       | 116 | 100  | SST      |
| • 238442                    | 224469             | 18       | 116 | 200  | SST      |



Filters

High Pressure  
Red Alert Filter

Filters

- Red Alert indicator signals filter element replacement to ensure efficient filtration
- Large flow capacity is ideal for large circulation and supply systems
- Integrated mounting holes make installation to frame and equipment easy
- Bottom port for installing quick flush ball valve



210090

Ordering Information

| Part No. | Area/sq. |      | Mesh              | Inlet/<br>Outlet npt | Maximum WPR |     |      | Max. Delivery |     | Material of Construction        | Manual                 |
|----------|----------|------|-------------------|----------------------|-------------|-----|------|---------------|-----|---------------------------------|------------------------|
|          | in       | cm   |                   |                      | psi         | bar | MPa  | gpm           | lpm |                                 |                        |
| 207994   | 225      | 1451 | 30                | 1-1/4                | 3000        | 207 | 20.7 | 20            | 75  | CS, glass sight and FKM o-rings | <a href="#">306987</a> |
| 207995   | 225      | 1451 | 60                | 1-1/4                | 3000        | 207 | 20.7 | 20            | 75  | CS, glass sight and FKM o-rings | <a href="#">306987</a> |
| 207996   | 225      | 1451 | 100               | 1-1/4                | 3000        | 207 | 20.7 | 20            | 75  | CS, glass sight and FKM o-rings | <a href="#">306987</a> |
| 207997   | 225      | 1451 | 150               | 1-1/4                | 3000        | 207 | 20.7 | 20            | 75  | CS, glass sight and FKM o-rings | <a href="#">306987</a> |
| 207998   | 225      | 1451 | 200               | 1-1/4                | 3000        | 207 | 20.7 | 20            | 75  | CS, glass sight and FKM o-rings | <a href="#">306987</a> |
| 207999   | 225      | 1451 | .040<br>stab pt.* | 1-1/4                | 3000        | 207 | 20.7 | 20            | 75  | CS, glass sight and FKM o-rings | <a href="#">306987</a> |
| 208000   | 225      | 1451 | .050<br>stab pt.* | 1-1/4                | 3000        | 207 | 20.7 | 20            | 75  | CS, glass sight and FKM o-rings | <a href="#">306987</a> |



Filters

Stainless Steel High Pressure  
Red Alert Filter

Filters

- Red Alert indicator signals filter element replacement to ensure efficient filtration
- Large flow capacity is ideal for large circulation and supply systems
- Integrated mounting holes make installation to frame and equipment easy
- Bottom port for installing quick flush ball valve



25M212

Ordering Information

| Part No. | Area/sq. |     | Mesh | Inlet/<br>Outlet npt | Maximum WPR |     |      | Max. Delivery |     | Material of Construction         | Manual                 |
|----------|----------|-----|------|----------------------|-------------|-----|------|---------------|-----|----------------------------------|------------------------|
|          | in       | cm  |      |                      | psi         | bar | MPa  | gpm           | lpm |                                  |                        |
| 25M212   | 36       | 232 | N/A  | 3/4                  | 3000        | 207 | 20.7 | 10            | 38  | SST, glass sight and FKM o-rings | <a href="#">3A4936</a> |
| 210090   | 36       | 232 | 60*  | 3/4                  | 3000        | 207 | 20.7 | 10            | 38  | SST, glass sight and FKM o-rings | <a href="#">3A4936</a> |
| 210091   | 36       | 232 | 100* | 3/4                  | 3000        | 207 | 20.7 | 10            | 38  | SST, glass sight and FKM o-rings | <a href="#">3A4936</a> |
| 210092   | 36       | 232 | 200* | 3/4                  | 3000        | 207 | 20.7 | 10            | 38  | SST, glass sight and FKM o-rings | <a href="#">3A4936</a> |

| Part No. | Description             |
|----------|-------------------------|
| 108116*  | 60 Mesh Filter Element  |
| 108117*  | 100 Mesh Filter Element |
| 108118*  | 200 Mesh Filter Element |



Filters

Low Pressure  
Red Alert Filter

Filters

- Red Alert indicator signals filter element replacement to ensure efficient filtration
- Large flow capacity is ideal for large circulation and supply systems
- Bottom port for installing quick flush ball valve



213058

Ordering Information

| Part No. | Assembly | Area/sq. |      | Mesh | Inlet/<br>Outlet | Max WPR |     |     | Max Delivery |     | Material                              | Manual                 |
|----------|----------|----------|------|------|------------------|---------|-----|-----|--------------|-----|---------------------------------------|------------------------|
|          |          | in       | cm   |      |                  | psi     | bar | MPa | gpm          | lpm |                                       |                        |
| 213057   | Complete | 36       | 232  | 30   | 3/4 npt          | 300     | 21  | 2.1 | 6            | 22  | Aluminum, glass sight and FKM o-rings | <a href="#">307282</a> |
| 213058   | Complete | 36       | 232  | 60   | 3/4 npt          | 300     | 21  | 2.1 | 6            | 22  | Aluminum, glass sight and FKM o-rings | <a href="#">307282</a> |
| 213059   | Complete | 36       | 232  | 100  | 3/4 npt          | 300     | 21  | 2.1 | 6            | 22  | Aluminum, glass sight and FKM o-rings | <a href="#">307282</a> |
| 213060   | Complete | 36       | 232  | 150  | 3/4 npt          | 300     | 21  | 2.1 | 6            | 22  | Aluminum, glass sight and FKM o-rings | <a href="#">307282</a> |
| 213061   | Complete | 36       | 232  | 200  | 3/4 npt          | 300     | 21  | 2.1 | 6            | 22  | Aluminum, glass sight and FKM o-rings | <a href="#">307282</a> |
| 213062   | Complete | 225      | 1451 | 30   | 1-1/4 npt        | 300     | 21  | 2.1 | 20           | 76  | Aluminum, glass sight and FKM o-rings | <a href="#">307283</a> |
| 213063   | Complete | 225      | 1451 | 60   | 1-1/4 npt        | 300     | 21  | 2.1 | 20           | 76  | Aluminum, glass sight and FKM o-rings | <a href="#">307283</a> |
| 213064   | Complete | 225      | 1451 | 100  | 1-1/4 npt        | 300     | 21  | 2.1 | 20           | 76  | Aluminum, glass sight and FKM o-rings | <a href="#">307283</a> |
| 213065   | Complete | 225      | 1451 | 150  | 1-1/4 npt        | 300     | 21  | 2.1 | 20           | 76  | Aluminum, glass sight and FKM o-rings | <a href="#">307283</a> |
| 213066   | Complete | 225      | 1451 | 200  | 1-1/4 npt        | 300     | 21  | 2.1 | 20           | 76  | Aluminum, glass sight and FKM o-rings | <a href="#">307283</a> |



Filters

Model 6  
Bag Filter Housing  
Filters

- High flow capacity ideal for large circulation systems
- Easy to replace bag filters are inexpensive and effective at filtering many types of media
- Flexible filter options make it easy to fine tune your filtration system
- Standard filter assembly includes housing, cover, cover o-ring and unlined stainless steel basket
- Order filter bags separately



915515

Ordering Information

| Part No. | Description                        | Inlet/<br>Outlet | Maximum WPR |     |     | Max. Delivery |     | Material |
|----------|------------------------------------|------------------|-------------|-----|-----|---------------|-----|----------|
|          |                                    |                  | psi         | bar | MPa | gpm           | lpm |          |
| 915515   | Model 6<br>(0.5 sq ft filter area) | 1-1/4 npt        | 300         | 21  | 2.1 | 15            | 57  | CS       |
| • 915516 | Model 6<br>(0.5 sq ft filter area) | 1-1/4 npt        | 300         | 21  | 2.1 | 15            | 57  | SST      |

- Waterborne compatible

| Part Number | Description                                                     |
|-------------|-----------------------------------------------------------------|
| 521268      | Stainless steel strainer basket, perforated                     |
| 521276      | Stainless steel strainer basket, perforated with 100 mesh liner |
| 521306      | Replacement eye-bolt and nut                                    |
| 521691      | Replacement o-ring                                              |

Instruction manual: [311775](#)



Filters

Model 6  
Bag Filter Elements  
Filters

- Many mesh sizes available to meet you exact filtration needs
- Polypropylene rim top uses fluid pressure to improve sealing force
- Stainless steel rim top uses friction to seal



Ordering Information

| Micron | Polypropylene Rim Top | SST Ring Top | Compatible Filter Housings |
|--------|-----------------------|--------------|----------------------------|
| 5      | 16K497                | 521226       | 915515<br>915516           |
| 10     | 16K498                | 521227       |                            |
| 25     | 16K499                | 521228       |                            |
| 50     | 16K500                | 521229       |                            |
| 75     | 16K501                | 521230       |                            |
| 100    | 16K502                | 521231       |                            |
| 125    | 16K503                | 521232       |                            |
| 150    | 16K504                | 521233       |                            |
| 200    | 16K505                | 521234       |                            |
| 250    | 16K506                | 521235       |                            |
| 300    | 16K507                | 521236       |                            |

Replacement Filters Bags

| Part Number | Material                               | Micron Size |
|-------------|----------------------------------------|-------------|
| 521311      | Glazed polyester felt without cover    | 5           |
| 521177      | Glazed polyester felt encased in spun  | 25          |
| 521180      | bonded nylon cover                     | 100         |
| 521335      | Glazed polyester felt encased in nylon | 50          |
| 521336      | mono-filament mesh cover.              | 75          |
| 521337      |                                        | 100         |
| 521226      | Nylon monofilament mesh.               | 5           |
| 521227      |                                        | 10          |
| 521228      |                                        | 25          |
| 521229      |                                        | 50          |
| 521230      |                                        | 75          |
| 521231      |                                        | 100         |
| 521232      |                                        | 125         |
| 521233      |                                        | 150         |
| 521234      |                                        | 200         |
| 521235      |                                        | 250         |
| 521236      |                                        | 300         |



Filters

Model 12  
Bag Filter Housings  
Filters

- High flow capacity ideal for large circulation systems
- Easy to replace bag filters are inexpensive and effective at filtering many types of media
- Flexible filter options make it easy to fine tune your filtration system
- Standard filter assembly includes housing, cover, cover o-ring and unlined stainless steel basket
- Order filter bags separately



916367

Ordering Information

| Part No. | Description                          | Inlet/<br>Outlet  | Maximum WPR |     |     | Max. Delivery |     | Material |
|----------|--------------------------------------|-------------------|-------------|-----|-----|---------------|-----|----------|
|          |                                      |                   | psi         | bar | MPa | gpm           | lpm |          |
| 915517   | Model 12<br>(1.0 sq ft filter area)  | 1-1/2 npt         | 500         | 21  | 2.1 | 30            | 114 | CS       |
| • 915518 | Model 12<br>(1.0 sq ft filter area)  | 1-1/2 npt         | 500         | 21  | 2.1 | 30            | 114 | SST      |
| • 916367 | Model 12<br>(sanitary with Poly Lok) | 1-1/2<br>sanitary | 500         | 35  | 3.5 | 30            | 114 | SST      |

- Waterborne compatible

| Part Number | Description                                                     |
|-------------|-----------------------------------------------------------------|
| 521276      | Stainless steel strainer basket, perforated                     |
| 521280      | Stainless steel strainer basket, perforated with 100 mesh liner |
| 521306      | Replacement eye-bolt and nut                                    |
| 521691      | Replacement o-ring                                              |

Instruction manual: [311775](#)



Filters

Model 12  
Bag Filter Elements  
Filters

- Many mesh sizes available to meet you exact filtration needs
- Polypropylene rim top uses fluid pressure to improve sealing force
- Stainless steel rim top uses friction to seal



Poly Rim Top

Ordering Information

| Micron | Polypropylene Rim Top | SST Ring Top | Compatible Filter Housings |
|--------|-----------------------|--------------|----------------------------|
| 5      | 16K510                | 521254       | 915517<br>915518           |
| 10     | 16K511                | 521255       |                            |
| 25     | 16K512                | 521256       |                            |
| 50     | 16K513                | 521257       |                            |
| 75     | 16K514                | 521258       |                            |
| 100    | 16K515                | 521259       |                            |
| 125    | 16K516                | 521260       |                            |
| 150    | 16K517                | 521261       |                            |
| 200    | 16K518                | 521262       |                            |
| 250    | 16K519                | 521263       |                            |
| 300    | 16K520                | 521264       |                            |

Replacement Filters

| Part Number | Material                                                         | Micron Size |
|-------------|------------------------------------------------------------------|-------------|
| 521183      | Glazed polyester felt encased in spun bonded nylon cover         | 5           |
| 521184      |                                                                  | 10          |
| 521189      |                                                                  | 100         |
| 521342      | Glazed polyester felt encased in nylon mono-filament mesh cover. | 10          |
| 521344      |                                                                  | 25          |
| 521347      |                                                                  | 100         |
| 521254      | Nylon monofilament mesh.                                         | 5           |
| 521255      |                                                                  | 10          |
| 521256      |                                                                  | 25          |
| 521257      |                                                                  | 50          |
| 521258      |                                                                  | 75          |
| 521259      |                                                                  | 100         |
| 521260      |                                                                  | 125         |
| 521261      |                                                                  | 150         |
| 521262      |                                                                  | 200         |
| 521263      |                                                                  | 250         |
| 521264      |                                                                  | 300         |



## Hoses, Fittings, Swivels and Gauges



### Hoses, Fittings, Swivels and Gauges

The key to a productivity is a complete system with hoses, fittings, swivels and gauges. Our gauges, fittings and hoses have options for both air and fluids, and our material selections cater to the needs of the finishing industry. They handle tough solvents, moisture sensitive or corrosive acid catalysts. They withstand the harshest environments and minimize downtime.



Hoses, Fittings, Swivels and Gauges

Bulk Hose and Fittings

Nylon Fluid Hose

- Nylon tube
- Compatible with catalyst and waterborne materials
- Order 500 ft (152 m) increments



2-piece Reusable Hose Fittings

- Compatible with catalyst and waterborne materials
- Easily create custom fluid hoses



| Part No. | Size and Pressure            | No Spring Guard  |                  | No Spring Guard   |                   | Spring Guard      |                   |
|----------|------------------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|
|          |                              | 1/8 in<br>NPT(M) | 1/4 in<br>NPT(M) | 1/4 in<br>NPSM(F) | 3/8 in<br>NPSM(F) | 1/4 in<br>NPSM(F) | 3/8 in<br>NPSM(F) |
| 061135   | 1/8 in ID – 475 psi (33 bar) | 205436           |                  | 206020            |                   |                   |                   |
| 061132   | 1/4 in ID – 225 psi (16 bar) | 205437           |                  | 205447            | 205448            | 111913            | 111914            |
| 061134   | 3/8 in ID – 200 psi (14 bar) |                  |                  |                   | 205439            |                   |                   |



Hoses, Fittings, Swivels and Gauges

Bulk Hose and Fittings

Braided Fluid Hose

- Nylon braided hose
- Neoprene cover
- Compatible with catalyst and waterborne materials
- Order 500 ft (152 m) increments



3-piece Reusable Hose Fittings

- Easily create custom fluid hoses
- Three piece threaded design
- Fittings can be reused



| Part No. | Size and Pressure            | 3 piece couplers |                | 2 piece couplers |                |
|----------|------------------------------|------------------|----------------|------------------|----------------|
|          |                              | 1/4 in NPSM(F)   | 3/8 in NPSM(F) | 1/4 in NPSM(F)   | 3/8 in NPSM(F) |
| 061205   | 1/4 in ID – 500 psi (35 bar) | 104415           | 104084         | 16A989           | 16A990         |
| 061195   | 3/8 in ID – 300 psi (21 bar) |                  | 104414         | 16A992           | 16A993         |
| 061200   | 1/2 in ID – 500 psi (35 bar) |                  |                |                  |                |
| 061185   | 3/4 in ID – 500 psi (35 bar) |                  |                |                  |                |
| 061188   | 1 in ID – 500 psi (35 bar)   |                  |                |                  |                |



Hoses, Fittings, Swivels and Gauges

Bulk Hose and Fittings

Flexible Air Hose

- PVC braided hose
- PVC cover
- Flexible hose allows easy movement and improved ergonomics
- Bulk ordering allows custom fabrication of specialized hoses
- Order 500 ft (152 m) increments



2-piece Reusable Hose Fittings

- Simple two piece threaded design
- Easily create custom fluid hoses



| Part No. | Size and Pressure             | 2 piece couplers |                   |                   |                   |
|----------|-------------------------------|------------------|-------------------|-------------------|-------------------|
|          |                               | 1/4 in<br>NPT(M) | 1/4 in<br>NPSM(F) | 3/8 in<br>NPSM(F) | 1/2 in<br>NPSM(F) |
| 15E291   | 1/4 in ID – 200 psi (14 bar)  |                  | 16A989            | 16A990            |                   |
| 15E292   | 5/16 in ID – 200 psi (14 bar) | 16A997           | 15K920            |                   |                   |
| 15E293   | 3/8 in ID – 200 psi (14 bar)  |                  | 16A992            | 16A993            |                   |
| 15E294   | 1/2 in ID – 200 psi (14 bar)  |                  |                   |                   | 16A995            |



## Hoses, Fittings, Swivels and Gauges

### Coupled Stainless Steel Hoses

- Compatible with moisture sensitive materials
- Many different sizes, lengths, pressures, and connections available
- Fully assembled, includes couplings
- PTFE hose with braided SST cover



### Ordering Information

| Part No. | Coupling Size/Type | Length         | Maximum WPR |     |      | ID Size | Electrical Grounding | Tube Material | Braid No. Material | Cover Material | Cover Color | Bend Radius (in (cm)) | Max. Temp. °F (°C) |
|----------|--------------------|----------------|-------------|-----|------|---------|----------------------|---------------|--------------------|----------------|-------------|-----------------------|--------------------|
|          |                    |                | psi         | bar | MPa  |         |                      |               |                    |                |             |                       |                    |
| 205324   | 1/4 npsm(fbe)      | 12 in (0.3 m)  | 3000        | 210 | 21.0 | 1/4 in  | Wire Braid           | PTFE          | 1-Wire             | SST            | SST         | 2.0 (5)               | 200 (93)           |
| 206966   | 1/4 npsm(fbe)      | 19 in (0.48 m) | 3000        | 210 | 21.0 | 1/4 in  | Wire Braid           | PTFE          | 1-Wire             | SST            | SST         | 2.0 (5)               | 200 (93)           |
| 205099   | 1/4 npsm(fbe)      | 30 in (0.76 m) | 3000        | 210 | 21.0 | 1/4 in  | Wire Braid           | PTFE          | 1-Wire             | SST            | SST         | 2.0 (5)               | 200 (93)           |
| 205058   | 1/4 npsm(fbe)      | 6 ft (1.8 m)   | 3000        | 210 | 21.0 | 1/4 in  | Wire Braid           | PTFE          | 1-Wire             | SST            | SST         | 2.0 (5)               | 200 (93)           |
| 205349   | 1/4 npsm(fbe)      | 15 ft (4.5 m)  | 3000        | 210 | 21.0 | 1/4 in  | Wire Braid           | PTFE          | 1-Wire             | SST            | SST         | 2.0 (5)               | 200 (93)           |
| 204938   | 1/4 npsm(fbe)      | 25 ft (7.6 m)  | 3000        | 210 | 21.0 | 1/4 in  | Wire Braid           | PTFE          | 1-Wire             | SST            | SST         | 2.0 (5)               | 200 (93)           |
| 206024   | 1/4 npsm(fbe)      | 50 ft (15.2 m) | 3000        | 210 | 21.0 | 1/4 in  | Wire Braid           | PTFE          | 1-Wire             | SST            | SST         | 2.0 (5)               | 200 (93)           |



## Hoses, Fittings, Swivels and Gauges

### Moisture-Lok

#### Hoses

- Compatible with moisture sensitive materials
- Designed specifically to prevent moisture permeation through hose lining
- Many different sizes, lengths, pressures, and connections available
- Fully assembled, includes couplings
- Ideal for use with plural component materials

#### Ordering Information

| Part No. | Coupling Size/Type | Length         | Maximum WPR |     |      | ID Size        |
|----------|--------------------|----------------|-------------|-----|------|----------------|
|          |                    |                | psi         | bar | MPa  |                |
| 947233   | 1/4 npsm(fbe)      | 3 ft (0.9 m)   | 2750        | 190 | 19.0 | 1/4 in (6 mm)  |
| 947076   | 1/4 npsm(fbe)      | 6 ft (1.8 m)   | 2750        | 190 | 19.0 | 1/4 in (6 mm)  |
| 947077   | 1/4 npsm(fbe)      | 10 ft (3 m)    | 2750        | 190 | 19.0 | 1/4 in (6 mm)  |
| 947078   | 1/4 npsm(fbe)      | 15 ft (4.6 m)  | 2750        | 190 | 19.0 | 1/4 in (6 mm)  |
| 947079   | 1/4 npsm(fbe)      | 25 ft (7.6 m)  | 2750        | 190 | 19.0 | 1/4 in (6 mm)  |
| 947080   | 1/4 npsm(fbe)      | 50 ft (15.2 m) | 2750        | 190 | 19.0 | 1/4 in (6 mm)  |
| 947475   | 3/8 npt(mbe)       | 2 ft (0.6 m)   | 2250        | 160 | 16.0 | 3/8 in (10 mm) |
| 947081   | 3/8 npt(mbe)       | 6 ft (1.8 m)   | 2250        | 160 | 16.0 | 3/8 in (10 mm) |
| 947082   | 3/8 npt(mbe)       | 10 ft (3 m)    | 2250        | 160 | 16.0 | 3/8 in (10 mm) |
| 947083   | 3/8 npt(mbe)       | 15 ft (4.6 m)  | 2250        | 160 | 16.0 | 3/8 in (10 mm) |
| 947084   | 3/8 npt(mbe)       | 25 ft (7.6 m)  | 2250        | 160 | 16.0 | 3/8 in (10 mm) |
| 947085   | 3/8 npt(mbe)       | 50 ft (15.2 m) | 2250        | 160 | 16.0 | 3/8 in (10 mm) |
| 947086   | 1/2 npt(mbe)       | 6 ft (1.8 m)   | 2000        | 140 | 14.0 | 1/2 in (13 mm) |
| 947087   | 1/2 npt(mbe)       | 10 ft (3 m)    | 2000        | 140 | 14.0 | 1/2 in (13 mm) |
| 947089   | 1/2 npt(mbe)       | 25 ft (7.6 m)  | 2000        | 140 | 14.0 | 1/2 in (13 mm) |
| 947091   | 3/4 npt(mbe)       | 6 ft (1.8 m)   | 1500        | 103 | 10.3 | 3/4 in (19 mm) |
| 947092   | 3/4 npt(mbe)       | 10 ft (3 m)    | 1500        | 103 | 10.3 | 3/4 in (19 mm) |
| 947093   | 3/4 npt(mbe)       | 15 ft (4.6 m)  | 1500        | 103 | 10.3 | 3/4 in (19 mm) |
| 947094   | 3/4 npt(mbe)       | 25 ft (7.6 m)  | 1500        | 103 | 10.3 | 3/4 in (19 mm) |
| 947096   | 1 npt(mbe)         | 6 ft (1.8 m)   | 1500        | 103 | 10.3 | 1 in (25 mm)   |



## Hoses, Fittings, Swivels and Gauges

### High Pressure Swivels

#### Swivels and Valves

- Improve mobility and ergonomics with high pressure swivels
- Swivels provide added rotational flexibility while providing high quality sealing even at high pressures
- Inline and Z configurations available



#### Ordering Information

| Part No.                     | Inlet/Outlet npt                                                                           | Maximum WPR |     |      | Packings     | Wetted Parts | Manual                 | Suggested Material*                            |
|------------------------------|--------------------------------------------------------------------------------------------|-------------|-----|------|--------------|--------------|------------------------|------------------------------------------------|
|                              |                                                                                            | psi         | bar | MPa  |              |              |                        |                                                |
| 204083                       | 1/4 npt(m)<br>1/8 npt(f)                                                                   | 8000        | 551 | 55.1 | Leather      | Steel-plated | <a href="#">306708</a> | Oil, Grease, Lubricants                        |
| 204084                       | 1/4 npt(m)<br>1/4 npt(f)                                                                   | 8000        | 551 | 55.1 | Leather      | Steel-plated | <a href="#">306708</a> | Oil, Grease, Lubricants                        |
| 214925                       | 1/4 npsm(f)<br>3/8 npt(f)                                                                  | 5000        | 345 | 34.5 | Leather      | Steel-plated | <a href="#">306861</a> | Oil, Grease, Lubricants                        |
| 207946                       | 1/2 npsm(f)<br>3/8 npt(f)                                                                  | 6000        | 413 | 41.3 | Polyurethane | Steel-plated | <a href="#">307005</a> | Oil, Grease, Lubricants,<br>Solventborne Paint |
| 207947                       | 1/2 npt(f)<br>1/2 npt(m)                                                                   | 6000        | 413 | 41.3 | Polyurethane | Steel-plated | <a href="#">307005</a> | Oil, Grease, Lubricants,<br>Solventborne Paint |
| 214926                       | 1/2 npsm(f)<br>3/8 npt(f)                                                                  | 5000        | 345 | 34.5 | Leather      | Steel-plated | <a href="#">306861</a> | Oil, Grease, Lubricants                        |
| • 239394                     | 1/4 npsm(m)<br>1/4 npsm(f)<br>Includes: filter chamber and<br>100 mesh tip filter (205264) | 7500        | 517 | 51.7 | PTFE         | SST          |                        | Paint                                          |
| • 189018                     | 1/4 npsm(m)<br>1/4 npsm(f)                                                                 | 7500        | 517 | 51.7 | PTFE         | SST          |                        | Paint & Catalyst                               |
| • Waterborne compatible      |                                                                                            |             |     |      |              |              |                        |                                                |
| 207948<br>(Z-Type<br>Swivel) | 1/2 (m)<br>1/2 (f)                                                                         | 6000        | 413 | 41.3 | Polyurethane | Steel-plated | <a href="#">307005</a> | Oil, Grease, Lubricants,<br>Solventborne Paint |

Caution: Z-swivels to be used with non-abrasive fluids only.

\*General suggestion only. Results may vary depending on chemical composition.



Hoses, Fittings, Swivels and Gauges

# Automatic Spray Gun Valve

## Swivels and Valves

- Automate your system with this robust pneumatically operated valve
- Mount easily to 1/2in (12.7mm) rod using built-in set screw
- Stainless steel wetted materials are compatible with catalyst, waterborne, and other finishing materials
- Easily install a wide variety of flat tips for many spraying options
- Adjustment knob for fine tuning your process



206660

## Ordering Information

| Part No. | Inlet/Outlet npt         | Maximum WPR |     |      |
|----------|--------------------------|-------------|-----|------|
|          |                          | psi         | bar | MPa  |
| 206660   | 1/4 npt(m)<br>1/8 npt(f) | 3000        | 517 | 51.7 |

Instruction manual: [306830](#)



Hoses, Fittings, Swivels and Gauges

Check Valves

Swivels and Valves

- Stainless steel and PTFE materials are compatible with catalyst, waterborne, and other finishing materials
- Prevent fluid leakage and backflow
- Compact and easy to install
- Improves pump performance
- Easily install a wide variety of flat tips for many spraying options



Ordering Information

| Part No.  | Inlet/Outlet npt   | Maximum WPR |     |      | Packings | Wetted Parts |
|-----------|--------------------|-------------|-----|------|----------|--------------|
|           |                    | psi         | bar | MPa  |          |              |
| • 501867* | 1/4 x 1/4 npt(mbe) | 3000        | 207 | 20.7 | PTFE     | 303 SST      |
| • 501684* | 3/8 x 3/8 npt(mbe) | 3000        | 207 | 20.7 | PTFE     | 303 SST      |
| • 501603* | 1/2 x 1/2 npt(fbe) | 3000        | 207 | 20.7 | PTFE     | 303 SST      |

• Waterborne compatible  
\*501867, 501684 and 501603 are poppet style



## Hoses, Fittings, Swivels and Gauges

### Pressure Relief Valve

#### Swivels and Valves

- Automatically relieves system pressure at specified rating to protect your system from overpressure
- Stainless steel and PTFE materials are compatible with catalyst, waterborne, and other finishing materials
- Compact and easy to install
- Tungsten and carbide materials ensure low wear and long life



237073

#### Ordering Information

| Part No. | Inlet/<br>Outlet<br>npt | Relief<br>Port | Maximum WPR |         |           | Relief "Cracking"<br>Pressure |     |      | Packings | Wetted<br>Parts           | Manual                 |
|----------|-------------------------|----------------|-------------|---------|-----------|-------------------------------|-----|------|----------|---------------------------|------------------------|
|          |                         |                | psi         | bar     | MPa       | psi                           | bar | MPa  |          |                           |                        |
| • 237060 | 1/2 (f)<br>1/2 (m)      | 1/2 npt(m)     | 475-575     | 33-40   | 3.3-4.0   | 750                           | 52  | 5.2  | PTFE     | 304 SST, tungsten carbide | <a href="#">308547</a> |
| • 237061 | 1/2 (f)<br>1/2 (m)      | 1/2 npt(m)     | 950-1150    | 66-79   | 6.6-7.9   | 1500                          | 103 | 10.3 | PTFE     | 304 SST, tungsten carbide | <a href="#">308547</a> |
| • 237112 | 1/2 (f)<br>1/2 (m)      | 1/2 npt(m)     | 1400-1800   | 97-124  | 9.7-12.4  | 2250                          | 155 | 15.5 | PTFE     | 304 SST, tungsten carbide | <a href="#">308547</a> |
| • 237062 | 1/2 (f)<br>1/2 (m)      | 1/2 npt(m)     | 1800-2300   | 124-159 | 12.4-15.9 | 3000                          | 207 | 20.7 | PTFE     | 304 SST, tungsten carbide | <a href="#">308547</a> |
| • 237073 | 1/2 (f)<br>1/2 (m)      | 1/2 npt(m)     | 2300-2900   | 159-200 | 15.9-20.0 | 3750                          | 259 | 25.9 | PTFE     | 304 SST, tungsten carbide | <a href="#">308547</a> |
| • 237063 | 1/2 (f)<br>1/2 (m)      | 1/2 npt(m)     | 2900-3600   | 200-248 | 20.0-24.8 | 4500                          | 310 | 31.0 | PTFE     | 304 SST, tungsten carbide | <a href="#">308547</a> |
| • 237074 | 1/2 (f)<br>1/2 (m)      | 1/2 npt(m)     | 3600-5000   | 248-345 | 24.8-34.5 | 6000                          | 414 | 41.4 | PTFE     | 304 SST, tungsten carbide | <a href="#">308547</a> |

- Waterborne compatible



Hoses, Fittings, Swivels and Gauges

Ball Valves

Swivels and Valves

- Stainless steel and PTFE materials are compatible with catalyst, waterborne, and other finishing materials
- Many different connection options to meet your specific needs
- 500 psi (35 bar) pressure ratio



**Part No.** Inlet/Outlet npt  
237528 1/4"NPT(M) x  
1/4"NPT(M)



**Part No.** Inlet/Outlet npt  
237529 1/4"NPT(M) x  
3/8"NPSM(M)



**Part No.** Inlet/Outlet npt  
237530 3/8" NPT(M) x  
1/4" NPT(M)



**Part No.** Inlet/Outlet npt  
237531 3/8"NPT(M) x  
3/8"NPT(M)



**Part No.** Inlet/Outlet npt  
237532 3/8"NPT(F) x  
3/8"NPT(F)



**Part No.** Inlet/Outlet npt  
237533 3/8"NPSM(M) x  
3/8"NPT(M)



**Part No.** Inlet/Outlet npt  
237535 3/8" NPT(F) x  
3/8"NPSM(M)



**Part No.** Inlet/Outlet npt  
237536 3/8" OD Tube x 3/8"  
NPSM(M)



**Part No.** Inlet/Outlet npt  
237537 3/8" OD Tube x  
3/8" OD Tube



**Part No.** Inlet/Outlet npt  
237538 3/8" OD Tube x  
3/8" NPT(M)



**Part No.** Inlet/Outlet npt  
237539 3/8" OD Tube x  
3/8"NPSM(M)



**Part No.** Inlet/Outlet npt  
237540 1/2" OD Tube x  
3/8" NPSM(M)



**Part No.** Inlet/Outlet npt  
237541 1/2" OD Tube x  
3/8" NPSM(M)



**Part No.** Inlet/Outlet npt  
237542 3/8" OD Tube x  
3/8" OD Tube

Instruction manual: [307628](#)



## Hoses, Fittings, Swivels and Gauges

### Pipe Fittings

#### Other Accessories

#### Bushing

Reducing, Standard & Expanding



| Part No. | Male Thread | Female Thread |
|----------|-------------|---------------|
| 100030   | 1/4 npt     | 1/8 npt       |
| 100730   | 3/8 npt     | 1/8 npt       |
| 100176   | 3/8 npt     | 1/4 npt       |
| 159841   | 3/8 npt     | 1/4 npt       |
| 168160   | 3/8 npt     | 1/4 npt       |
| 100329   | 1/2 npt     | 1/8 npt       |
| 100206   | 1/2 npt     | 1/4 npt       |

| Part No. | Male Thread | Female Thread |
|----------|-------------|---------------|
| 102022   | 1/2 npt     | 1/4 npt       |
| 100081   | 1/2 npt     | 3/8 npt       |
| 100615   | 3/4 npt     | 1/4 npt       |
| 100896   | 3/4 npt     | 1/2 npt       |
| 100380   | 1 npt       | 1/2 npt       |
| 158586   | 1 npt       | 3/4 npt       |

#### Pipe Adapters



| Part No. | Male Thread | Female Thread |
|----------|-------------|---------------|
| 150171   | 1/8 npt     | 1/8 npt       |
| 159840   | 1/8 npt     | 1/4 npt       |
| 156580   | 1/8 npt     | 3/8 npt       |
| 150287   | 1/4 npt     | 3/8 npt       |

| Part No. | Male Thread | Female Thread |
|----------|-------------|---------------|
| 159842   | 1/4 npt     | 1/2 npt       |
| 150286   | 3/8 npt     | 3/8 npt       |
| 156022   | 3/8 npt     | 1/2 npt       |
| 168595   | 1/2 npt     | 3/4 npt       |

#### Hex Nipple

Standard & Reducing

| Part No. | Male Thread | Female Thread |
|----------|-------------|---------------|
| 151519   | 1/4 npt     | 1/8 npt       |
| 156971   | 1/4 npt     | 1/4 npt       |
| 156296   | 3/8 npt     | 1/8 npt       |
| 165198   | 3/8 npt     | 1/4 npt       |
| 156849   | 3/8 npt     | 3/8 npt       |
| 162449   | 1/2 npt     | 1/4 npt       |

| Part No. | Male Thread | Female Thread |
|----------|-------------|---------------|
| 159239   | 1/2 npt     | 3/8 npt       |
| 158491   | 1/2 npt     | 1/2 npt       |
| 157191   | 3/4 npt     | 1/2 npt       |
| 175013   | 3/4 npt     | 3/4 npt       |
| 158555   | 1 npt       | 3/4 npt       |

#### Street Elbow



| Part No. | Male Thread | Female Thread |
|----------|-------------|---------------|
| 100840   | 1/4 npt     | 1/4 npt       |
| 155699   | 3/8 npt     | 3/8 npt       |
| 158683   | 1/2 npt     | 1/2 npt       |
| 176393   | 3/4 npt     | 3/4 npt       |

#### Coupling

Standard



| Part No. | Thread  |
|----------|---------|
| 100451   | 1/8 npt |
| 100175   | 1/4 npt |
| 162024   | 3/8 npt |
| 158581   | 1/2 npt |
| 100385   | 3/4 npt |
| 100474   | 1 npt   |

#### Square

Head Plug



| Part No. | Thread  |
|----------|---------|
| 111697   | 1/4 npt |
| 100040   | 3/8 npt |
| 100737   | 1/2 npt |
| 104663   | 3/4 npt |



## Hoses, Fittings, Swivels and Gauges

### Pipe Swivels

#### Other Accessories

#### Straight Swivel Adapter

Male x Female



| Part No. | Rigid Thread | Swivel Thread |
|----------|--------------|---------------|
| 208434   | 1/8 npt      | 1/4 npt       |
| 156823   | 1/4 npt      | 1/4 npt       |
| 157705   | 1/4 npt      | 3/8 npt       |
| 155665   | 3/8 npt      | 3/8 npt       |
| 162505   | 3/8 npt      | 1/2 npt       |

| Part No. | Rigid Thread | Swivel Thread |
|----------|--------------|---------------|
| 156684   | 1/2 npt      | 1/2 npt       |
| 158256   | 1/2 npt      | 3/8 npt       |
| 157785   | 3/4 npt      | 3/4 npt       |
| 202965   | 1 npt        | 3/4 npt       |
| 160022   | 1 npt        | 1 npt         |

#### 90° Swivel Adapter

Female x Female



| Part No. | Rigid Thread | Swivel Thread |
|----------|--------------|---------------|
| 157676   | 1/4 npt      | 1/4 npt       |
| 155677   | 3/8 npt      | 3/8 npt       |
| 159801   | 3/8 npt      | 1/2 npt       |
| 157416   | 1/2 npt      | 1/2 npt       |
| 156589   | 3/4 npt      | 3/4 npt       |

#### Straight Swivel Adapter

Female x Female



| Part No. | Rigid Thread | Swivel Thread |
|----------|--------------|---------------|
| 155570   | 1/4 npt      | 1/4 npt       |
| 159153   | 3/8 npt      | 1/4 npt       |
| 156173   | 3/8 npt      | 3/8 npt       |
| 155653   | 1/2 npt      | 1/4 npt       |

| Part No. | Rigid Thread | Swivel Thread |
|----------|--------------|---------------|
| 161077   | 1/2 npt      | 3/8 npt       |
| 155865   | 1/2 npt      | 1/2 npt       |
| 156172   | 3/4 npt      | 3/4 npt       |
| 158383   | 1 npt        | 1 npt         |

#### 90° Swivel Adapter

Male x Female



| Part No. | Rigid Thread | Swivel Thread |
|----------|--------------|---------------|
| 155541   | 1/4 npt      | 1/4 npt       |
| 155495   | 3/8 npt      | 1/4 npt       |
| 155494   | 3/8 npt      | 3/8 npt       |
| 217430   | 3/8 npt      | 1/2 npt       |
| 161037   | 1/2 npt      | 3/8 npt       |
| 155470   | 1/2 npt      | 1/2 npt       |
| 160327   | 3/4 npt      | 3/4 npt       |

#### 45° Swivel Adapter

Male x Female



| Part No. | Rigid Thread | Swivel Thread |
|----------|--------------|---------------|
| 161889   | 3/8 npt      | 3/8 npt       |
| 105281   | 3/4 npt      | 3/4 npt       |



## Hoses, Fittings, Swivels and Gauges

### Stainless Steel Fittings

#### Other Accessories

#### Nipple

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type | Swivel | JIC or 37° Flare | Pressure Rating    | Type of Connection | First Connection | Second Connection | Overall Length in (cm) | Material |
|----------|---------------|--------------------|--------------|--------|------------------|--------------------|--------------------|------------------|-------------------|------------------------|----------|
| 166421   | Straight      | Pipe               | Nipple       | No     | No               | 7500 psi (516 bar) | npt(m) x npt(m)    | npt - 1/4 npt    | npt - 1/4 npt     | 1.38 (3.5)             | 416 SST  |
| 166469   | Straight      | Pipe               | Nipple       | No     | No               | 6000 psi (413 bar) | npt(m) x npt(m)    | npt - 3/8 npt    | npt - 3/8 npt     | 1.50 (3.8)             | 416 SST  |
| 166846   | Straight      | Pipe               | Adapter      | No     | No               | 7250 psi (499 bar) | npt(m) x nps(m)    | npt - 1/4 npt    | nps - 1/4 npsm    | 1.19 (3.0)             | 304 SST  |
| 171195   | Straight      | Pipe               | Adapter      | No     | No               | —                  | npt(m) x nps(m)    | npt - 3/8 npt    | nps - 3/8 npsm    | 1.31 (3.3)             | 303 SST  |

#### Reducing Nipple

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type | Swivel | JIC or 37° Flare | Pressure Rating    | Type of Connection | First Connection | Second Connection | Overall Length in (cm) | Material |
|----------|---------------|--------------------|--------------|--------|------------------|--------------------|--------------------|------------------|-------------------|------------------------|----------|
| 166863   | Straight      | Pipe               | Nipple       | No     | No               | 5000 psi (344 bar) | npt(m) x npt(m)    | npt - 3/8 npt    | npt - 1/4 npt     | 1.31 (3.3)             | 303 SST  |
| 166443   | Straight      | Pipe               | Nipple       | No     | No               | 7250 psi (499 bar) | npt(m) x npt(m)    | npt - 3/4 npt    | npt - 1/2 npt     | 1.75 (4.4)             | 303 SST  |



## Hoses, Fittings, Swivels and Gauges

### Stainless Steel Fittings

#### Other Accessories

#### 45° Elbow

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type | Swivel | JIC or 37° Flare | Pressure Rating    | Type of Connection | First Connection | Second Connection | Overall Length in (cm)  | Material |
|----------|---------------|--------------------|--------------|--------|------------------|--------------------|--------------------|------------------|-------------------|-------------------------|----------|
| 209029   | Elbow         | Pipe               | 45°          | Yes    | No               | 4600 psi (316 bar) | npt(m) x nps(f)    | npt - 3/8 npt    | nps - 3/8 npsm    | 1.06 x 1.25 (2.6 x 3.1) | 303 SST  |

#### 90° Elbow

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type | Swivel | JIC or 37° Flare | Pressure Rating    | Type of Connection | First Connection | Second Connection | Overall Length in (cm)  | Material |
|----------|---------------|--------------------|--------------|--------|------------------|--------------------|--------------------|------------------|-------------------|-------------------------|----------|
| 102325   | Elbow         | Pipe               | 90°          | No     | No               | —                  | npt(f) x npt(f)    | npt - 3/4 npt    | npt - 3/4 npt     | —                       | 304 SST  |
| 110756   | Elbow         | Pipe               | 90°          | No     | No               | 150 psi (10 bar)   | npt(m) x npt(m)    | npt - 3/8 npt    | npt - 3/8 npt     | —                       | 304 SST  |
| 207123   | Elbow         | Pipe               | 90°          | Yes    | No               | 5000 psi (344 psi) | npt(m) x nps(f)    | npt - 3/8 npt    | nps - 3/8 npsm    | 1.06 x 1.91 (2.6 x 4.8) | 303 SST  |

#### 90° Street Elbow

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type | Swivel | JIC or 37° Flare | Pressure Rating | Type of Connection | First Connection | Second Connection | Overall Length in (cm) | Material |
|----------|---------------|--------------------|--------------|--------|------------------|-----------------|--------------------|------------------|-------------------|------------------------|----------|
| 166242   | Elbow         | Pipe               | 90°          | No     | No               | 4500            | npt(m) x npt(f)    | npt - 1/2 npt    | npt - 1/2 npt     | 2.09 (5.3)             | 303 SST  |
| 166866   | Elbow         | Pipe               | 90°          | No     | No               | 9000            | npt(m) x npt(f)    | npt - 1/4 npt    | npt - 1/4 npt     | 1.34 (3.4)             | 304 SST  |
| 515723   | Elbow         | Pipe               | 90°          | No     | No               | 150             | npt(m) x npt(f)    | npt - 1 npt      | npt - 1 npt       | —                      | 304 SST  |



## Hoses, Fittings, Swivels and Gauges

### Stainless Steel Fittings

#### Other Accessories

#### Adapter

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type | Swivel | JIC or 37° Flare | Pressure Rating    | Type of Connection | First Connection | Second Connection | Overall Length in (cm) | Material    |
|----------|---------------|--------------------|--------------|--------|------------------|--------------------|--------------------|------------------|-------------------|------------------------|-------------|
| 119226   | Straight      | Pipe               | Bushing      | No     | No               | —                  | npt(m) x npt(f)    | npt - 1/4 npt    | npt - 1/4 npt     | 1.39 (3.5)             | 316 SST     |
| 114499   | Straight      | Pipe               | Bushing      | No     | No               | 5000 psi (344 bar) | npt(m) x npt(f)    | npt - 1/2 npt    | npt - 1/2 npt     | 1.78 (4.5)             | 304/316 SST |

#### Reducing Adapter

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type | Swivel | JIC or 37° Flare | Pressure Rating    | Type of Connection | First Connection | Second Connection | Overall Length in (cm) | Material |
|----------|---------------|--------------------|--------------|--------|------------------|--------------------|--------------------|------------------|-------------------|------------------------|----------|
| 512351   | Straight      | Pipe               | Bushing      | No     | No               | 5000 psi (344 bar) | npt(m) x npt(f)    | npt - 1/4 npt    | npt - 3/8 npt     | 1.44 (3.6)             | 303 SST  |
| 121237   | Straight      | Pipe               | Bushing      | No     | No               | 4000 (275 bar)     | npt(m) x npt(f)    | npt - 3/8 npt    | npt - 1/2 npt     | 1.68 (4.2)             | 303 SST  |
| 121238   | Straight      | Pipe               | Bushing      | No     | No               | 4000 (275 bar)     | npt(m) x npt(f)    | npt - 3/8 npt    | npt - 3/4 npt     | 1.75 (4.4)             | 303 SST  |
| 16H491   | Straight      | Pipe               | Adapter      | No     | No               | 5200 (358 bar)     | npt(m) x npt(f)    | npt - 1/4 npt    | npt - 1/2 npt     | 1.69 (4.2)             | SST      |
| 16J975   | Straight      | Pipe               | Adapter      | No     | No               | 4300 (296 bar)     | npt(m) x npt(f)    | npt - 1/4 npt    | npt - 3/4 npt     | 1.88 (4.7)             | SST      |

#### Tee

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type | Swivel | JIC or 37° Flare | Pressure Rating | Type of Connection       | First Connection | Second Connection | Third Connection | Overall Length in (cm) | Material |
|----------|---------------|--------------------|--------------|--------|------------------|-----------------|--------------------------|------------------|-------------------|------------------|------------------------|----------|
| 16C760   | Tee           | Pipe               | Adapter      | No     | No               | —               | npt(m) x npt(m) x nps(m) | npt - 3/8 npt    | npt - 1/4 npt     | nps - 3/8 npsm   | 1.94 (4.9)             | 316 SST  |



## Hoses, Fittings, Swivels and Gauges

### Stainless Steel Fittings

#### Other Accessories

#### Bushing

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type | Swivel | JIC or 37° Flare | Pressure Rating    | Type of Connection | First Connection | Second Connection | Overall Length in (cm) | Material |
|----------|---------------|--------------------|--------------|--------|------------------|--------------------|--------------------|------------------|-------------------|------------------------|----------|
| 116350   | Straight      | Pipe               | Bushing      | No     | No               | 150 psi (10 bar)   | npt(m) x npt(f)    | npt - 3/4 npt    | npt - 3/8 npt     | —                      | 316 SST  |
| 502265   | Straight      | Pipe               | Bushing      | No     | No               | 6000 psi (413 bar) | npt(m) x npt(f)    | npt - 1/2 npt    | npt - 3/8 npt     | 1.11 (2.8)             | 316 SST  |
| 502851   | Straight      | Pipe               | Bushing      | No     | No               | 3000 (206 bar)     | npt(m) x npt(f)    | npt - 1 npt      | npt - 3/4 npt     | 1.00 (2.5)             | 316 SST  |
| 16C475   | Straight      | Pipe               | Bushing      | No     | No               | 6000 psi (413 bar) | npt(m) x npt(f)    | npt - 3/4 npt    | npt - 1/2 npt     | 1.17 (2.9)             | 304 SST  |

#### Coupling

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type | Swivel | JIC or 37° Flare | Pressure Rating    | Type of Connection | First Connection | Second Connection | Overall Length in (cm) | Material |
|----------|---------------|--------------------|--------------|--------|------------------|--------------------|--------------------|------------------|-------------------|------------------------|----------|
| 110336   | Straight      | Pipe               | Coupling     | No     | No               | 5000 psi (344 bar) | npt(f) x npt(f)    | npt - 1/4 npt    | npt - 1/4 npt     | 1.13 (2.8)             | 316 SST  |

#### Socket Head Plug

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type       | Swivel | JIC or 37° Flare | Pressure Rating | Type of Connection | First Connection | Second Connection | Overall Length in (cm) | Material       |
|----------|---------------|--------------------|--------------------|--------|------------------|-----------------|--------------------|------------------|-------------------|------------------------|----------------|
| 101748   | Straight      | Pipe               | Plug - Socket Head | No     | No               | —               | npt(m)             | npt - 3/8 npt    | —                 | 0.46 (1.1)             | 304/316 SST    |
| 101970   | Straight      | Pipe               | Plug - Socket Head | No     | No               | —               | npt(m)             | npt - 1/4 npt    | —                 | 0.41 (1.0)             | 300 Series SST |
| 110208   | Straight      | Pipe               | Plug - Socket Head | No     | No               | —               | npt(m)             | npt - 1/8 npt    | —                 | 0.25 (0.6)             | 304/316 SST    |



## Hoses, Fittings, Swivels and Gauges

### Stainless Steel Fittings

#### Other Accessories

#### Tube Connector

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type   | Swivel | JIC or 37° Flare | Pressure Rating | Type of Connection | First Connection | Second Connection | Overall Length in (cm) | Material |
|----------|---------------|--------------------|----------------|--------|------------------|-----------------|--------------------|------------------|-------------------|------------------------|----------|
| 513308   | Straight      | Hose/ Tube         | Tube Connector | No     | No               | —               | npt(m) x Tube OD   | npt - 1/4 npt    | Tube OD - .375    | —                      | SST      |

#### Swivel Union

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type | Swivel | JIC or 37° Flare | Pressure Rating    | Type of Connection | First Connection | Second Connection | Overall Length in (cm) | Material    |
|----------|---------------|--------------------|--------------|--------|------------------|--------------------|--------------------|------------------|-------------------|------------------------|-------------|
| 112268   | Straight      | Pipe               | Union        | Yes    | No               | 2250 psi (155 bar) | npt(m) x npt(f)    | npt - 3/4 npt    | npt - 3/4 npt     | 2.00 (5.1)             | 304/316 SST |
| 207152   | Straight      | Pipe               | Union        | Yes    | No               | 7250 psi (499 bar) | npt(f) x nps(f)    | npt - 3/8 npt    | nps - 3/8 npsm    | 1.63 (4.1)             | 316 SST     |
| 236433   | Straight      | Pipe               | Union        | No     | No               | —                  | npt(m) x nps(f)    | npt - 1 npt      | nps - 1 npsm      | —                      | 303 SST     |
| 236892   | Straight      | Pipe               | Union        | Yes    | No               | —                  | npt(m) x nps(f)    | npt - 1/2 npt    | nps - 3/8 npsm    | —                      | 316 SST     |
| 16P309   | Straight      | Pipe               | Union        | Yes    | No               | 6000 psi (413 bar) | npt(f) x nps(f)    | npt - 1/4 npt    | nps - 1/4 npsm    | 1.43 (3.6)             | 316 SST     |

#### Swivel

| Part No. | Fitting Conf. | Pipe or Hose/ Tube | Fitting Type | Swivel | JIC or 37° Flare | Pressure Rating    | Type of Connection | First Connection | Second Connection | Overall Length in (cm) | Material    |
|----------|---------------|--------------------|--------------|--------|------------------|--------------------|--------------------|------------------|-------------------|------------------------|-------------|
| 189018   | Straight      | Pipe               | Union        | Yes    | No               | 7500 psi (516 bar) | nps(m) x nps(f)    | nps - 1/4 npsm   | nps - 1/4 npsm    | 1.41 (3.5)             | 303/316 SST |
| 236987   | Straight      | Pipe               | Union        | Yes    | No               | 7400 psi (509 bar) | nps(m) x nps(f)    | nps - 1/4 npsm   | nps - 1/4 npsm    | —                      | SST         |



## Hoses, Fittings, Swivels and Gauges

### Fluid Gauges

#### Stainless Steel Low Pressure Fluid Gauges

- Corrosion Resistant
- 2.5 in (63 mm) diameter dial
- 1/4 in NPT(M) connection
- Bottom mount
- Shatterproof glass



| Part No. | Pressure Range       |
|----------|----------------------|
| 187875   | 0-30 psi (0-2 bar)   |
| 187874   | 0-100 psi (0-7 bar)  |
| 187873   | 0-200 psi (0-14 bar) |
| 187876   | 0-300 psi (0-21 bar) |

#### Stainless Steel High Pressure Fluid Gauges

- Corrosion Resistant
- 2.5 in (63 mm) diameter dial
- 1/4 in NPT(M) connection
- Bottom mount
- Shatterproof glass
- Liquid filled to reduce indicator pulsation



| Part No. | Pressure Range         |
|----------|------------------------|
| 105770   | 0-1000 psi (0-68 bar)  |
| 102814   | 0-5000 psi (0-344 bar) |

#### Stainless Steel High Pressure Fluid Gauges

- Corrosion Resistant
- 2.5 in (63 mm) diameter dial
- 1/4 in NPT(M) connection
- Back mount
- Shatterproof glass
- Liquid filled to reduce indicator pulsation



| Part No. | Pressure Range         |
|----------|------------------------|
| 113641   | 0-3000 psi (0-207 bar) |
| 113654   | 0-5000 psi (0-344 bar) |

#### Stainless Steel Fluid Gauges with Dampeners

- Dampener protects gauge from severe pressure pulsation
- Corrosion Resistant
- 2.5 in (63mm) diameter dial
- 1/4 in NPT connections



| Part No. | Pressure Range / Inlet               |
|----------|--------------------------------------|
| 208855   | 0-300 psi (0-21 bar) 1/4 in NPT(M)   |
| 110182   | 0-2000 psi (0-140 bar) 1/4 in NPT(F) |
| 206171   | 0-200 psi (0-140 bar) 1/4 in NPT(F)  |

### Air Gauges

#### Low Pressure Air Gauges

- Black enamel case
- Bottom mount
- 1/8 in NPT and 1/4 in NPT connections



| Part No. | Pressure Range / Inlet             |
|----------|------------------------------------|
| 110436   | 0-100 psi (0-7 bar) 1/8 in NPT(M)  |
| 100960   | 0-200 psi (0-14 bar) 1/4 in NPT(M) |

#### Low Pressure Air Gauges

- Black enamel case
- Back mount
- 1/8 in NPT and 1/4 in NPT connections



| Part No. | Pressure Range / Inlet             |
|----------|------------------------------------|
| 108190   | 0-100 psi (0-7 bar) 1/8 in NPT(M)  |
| 101689   | 0-200 psi (0-14 bar) 1/4 in NPT(M) |



## Other Accessories

### Standard Gun Washer

#### Other Accessories

- Cleans 2 guns and 2 cups
- Plastic tank and reservoir
- Waterborne and non-waterborne compatibility options
- High quality Graco pump for reliability
- Air pressure operating range of 25 to 100 psi (1.7 to 7 bar)
- Maximum tank capacity of 5 gal (18.9 l)
- 112635 has hose wash capability



112635

#### Ordering Information

| Gun Washer Part No.    | Description*      | Part No. | Quantity | Air Inlet  | Fluid Drain Valve | Approx. Dry Weight | Wetted Parts                                                                      | Manual                 |
|------------------------|-------------------|----------|----------|------------|-------------------|--------------------|-----------------------------------------------------------------------------------|------------------------|
| 112634<br>(Economy)    | Long gun support  | 512800   | 1        | 1/2 npt(f) | 1 in npt(m)       | 63 lb<br>(28.6 kg) | carbon steel, polyethylene (tank), stainless steel, aluminum, brass, PTFE, acetal | <a href="#">308393</a> |
|                        | Short gun support | 112847   | 1        |            |                   |                    |                                                                                   |                        |
|                        | Spray nozzle      | 512799   | 2        |            |                   |                    |                                                                                   |                        |
| • 112635<br>(Standard) | Long gun support  | 512800   | 2        | 1/2 npt(f) | 1 in npt(m)       | 65 lb<br>(29.5 kg) | stainless steel, aluminum, polyethylene (tank) brass, PTFE, acetal                | <a href="#">308393</a> |
|                        | Short gun support | 112847   | 1        |            |                   |                    |                                                                                   |                        |
|                        | Spray nozzle      | 512799   | 1        |            |                   |                    |                                                                                   |                        |

\*Long gun support is used to clean pressure feed, air spray and HVLP guns;  
Short gun support is used to clean siphon air spray, air-assist and airless guns;  
Spray nozzle is used to clean siphon and pressure cups

- Waterborne compatible

#### Kit Ordering Information

| Kit Part No. | Typically Used to Clean                          | Kit Includes |                     |
|--------------|--------------------------------------------------|--------------|---------------------|
|              |                                                  | Part No.     | Description         |
| 236659       | Graco Pro AA4500 air-assisted electrostatic guns | 195903       | Air cap blank       |
|              |                                                  | 188406       | Tip housing         |
|              |                                                  | 183459       | Washer (2)          |
|              |                                                  | 236689       | PRO AA4500 support  |
|              |                                                  | 512835       | Fluid inlet adapter |
|              |                                                  | 512827       | Plug                |
|              |                                                  | 512802       | Wire trigger lock   |

| Kit Part No. | Typically Used to Clean             | Kit Includes |                     |
|--------------|-------------------------------------|--------------|---------------------|
|              |                                     | Part No.     | Description         |
| 245271       | Graco Pro Xs4 AA electrostatic guns | 198786       | Air cap blank       |
|              |                                     | 188406       | Housing tip         |
|              |                                     | 183459       | Washer (2)          |
|              |                                     | 245300       | Gun support         |
|              |                                     | 512835       | Fluid inlet adapter |
|              |                                     | 512827       | Plug                |
|              |                                     | 512802       | Wire trigger lock   |
|              |                                     | 112851       | Snap clip           |



## Other Accessories

### Professional Gun Washer

#### Other Accessories

- Corrosion resistant materials
- Cleans 2 guns and 2 cups in one minute
- Cleans hoses and 5 gallon cans
- Pot cleaning kit available
- Flow-through brush/wand for manual cleaning
- Air pressure operating range of 25 to 100 psi (1.7 to 7 bar)
- Maximum tank capacity of 5 gal (18.9 l)
- Fume extractor
- Automatic timer
- FM Approved



117438

### Ordering Information

| Gun Washer Part No. | Description*      | Part No. | Quantity | Air Inlet  | Fluid Drain Valve | Approx. Dry Weight | Wetted Parts                         | Manual                 |
|---------------------|-------------------|----------|----------|------------|-------------------|--------------------|--------------------------------------|------------------------|
| • 117438 (Premium)  | Long gun support  | 512800   | 2        | 1/4 npt(f) | 1 in npt(m)       | 86 lb (39 kg)      | stainless steel, brass, PTFE, acetal | <a href="#">308393</a> |
|                     | Short gun support | 112847   | 1        |            |                   |                    |                                      |                        |
|                     | Spray nozzle      | 512799   | 1        |            |                   |                    |                                      |                        |

\*Long gun support is used to clean pressure feed, air spray and HVLP guns;  
Short gun support is used to clean siphon air spray, air-assist and airless guns;  
Spray nozzle is used to clean siphon and pressure cups

- Waterborne compatible

### Kit Ordering Information

| Kit Part No. | Typically Used to Clean                          | Kit Includes |                     |
|--------------|--------------------------------------------------|--------------|---------------------|
|              |                                                  | Part No.     | Description         |
| 236659       | Graco Pro AA4500 air-assisted electrostatic guns | 195903       | Air cap blank       |
|              |                                                  | 188406       | Tip housing         |
|              |                                                  | 183459       | Washer (2)          |
|              |                                                  | 236689       | PRO AA4500 support  |
|              |                                                  | 512835       | Fluid inlet adapter |
|              |                                                  | 512827       | Plug                |
|              |                                                  | 512802       | Wire trigger lock   |

| Kit Part No. | Typically Used to Clean             | Kit Includes |                     |
|--------------|-------------------------------------|--------------|---------------------|
|              |                                     | Part No.     | Description         |
| 245271       | Graco Pro Xs4 AA electrostatic guns | 198786       | Air cap blank       |
|              |                                     | 188406       | Housing tip         |
|              |                                     | 183459       | Washer (2)          |
|              |                                     | 245300       | Gun support         |
|              |                                     | 512835       | Fluid inlet adapter |
|              |                                     | 512827       | Plug                |
|              |                                     | 512802       | Wire trigger lock   |
|              |                                     | 112851       | Snap clip           |



Other Accessories

Fluid Heater Kit

Other Accessories

- Variable heating levels for consistent viscosity control
- Approved for hazardous locations
- 7250 psi (500 bar) maximum working pressure
- Stainless steel construction is compatible with catalyst, waterborne, and other finishing materials
- Includes bracket, hose, and fittings for easy integration



Ordering Information

| Part No. | Description                                              |
|----------|----------------------------------------------------------|
| 239850   | 120V fluid heater kit (includes bracket, hose, fittings) |
| 239851   | 240V fluid heater kit (includes bracket, hose, fittings) |
| 239852   | 240V fluid heater kit (includes hose, fittings)          |
| 241883   | 200V fluid heater kit (includes bracket, hose, fittings) |

Instruction manual [308771](#).

Kits (For President 3:1 Circ Pkgs)

| Part No.                                       | Description                                 |
|------------------------------------------------|---------------------------------------------|
| Hazardous Location Fluid Heaters, Series A     |                                             |
| 245848                                         | 120 VAC single phase, 2300 watts, 19.2 amps |
| 245862                                         | 200 VAC single phase, 4000 watts, 20 amps   |
| 245863                                         | 240 VAC single phase, 4000 watts, 16.7 amps |
| 246254                                         | 380 VAC single phase, 4000 watts, 10.5 amps |
| 245864                                         | 480 VAC single phase, 4000 watts, 8.3 amps  |
| Non-Hazardous Location Fluid Heaters, Series A |                                             |
| 245867                                         | 120 VAC single phase, 2300 watts, 19.2 amps |
| 245868                                         | 200 VAC single phase, 4000 watts, 20 amps   |
| 245869                                         | 240 VAC single phase, 4000 watts, 16.7 amps |
| 246276                                         | 380 VAC single phase, 4000 watts, 10.5 amps |
| 245870                                         | 480 VAC single phase, 4000 watts, 8.3 amps  |



## Other Accessories

### Siphon Kits

#### Other Accessories

### Siphon Kits, Tubes, Filters and Intake Extensions

5 gal (19 l) Siphon Kits

| Part No. | Description/<br>Material    | Inlet Thread | Hose<br>Tube<br>Material | Hose ID in<br>(mm) | Hose<br>Length<br>ft (m) | Suction<br>Tube<br>Material | Suction Tube<br>Length<br>in (mm) | Use  | Manual                 |
|----------|-----------------------------|--------------|--------------------------|--------------------|--------------------------|-----------------------------|-----------------------------------|------|------------------------|
| 206268   | CS                          | 3/4 npt(m)   | Nylon                    | 3/4 (19)           | 3.5 (1.0)                | Aluminum                    | 18 (457)                          |      |                        |
| 207484   | CS                          | 3/4 npsm(f)  | Nylon                    | 3/4 (19)           | 3.5 (1.0)                | Aluminum                    | 18 (457)                          | Pail |                        |
| 208920   | CS                          | 3/4 npsm(f)  | Nylon                    | 1.0 (25)           | 4.0 (1.2)                | Aluminum                    | 15 (381)                          | Pail |                        |
| 223105   | SST                         | 3/4 npt(m)   | Nylon                    | 3/4 (19)           | 6.0 (1.8)                | Aluminum                    | 18 (457)                          |      |                        |
| 237068   | CS                          | 2.0 npt(m)   | Nylon                    | 1.0 (25)           | 6.0 (1.8)                | Aluminum                    | 18 (457)                          |      | <a href="#">308415</a> |
| 241634   | SST                         | 3/8 JIC      | LDPE                     | 0.37 (9.4)         | 4.0 (1.2)                | 304 SST                     | 17 (432)                          |      | <a href="#">308994</a> |
| 243832   | SST                         | 1/2 npsm(f)  | LDPE                     | 0.37 (9.4)         | 3.0 (0.9)                | 304 SST                     | 17 (432)                          |      |                        |
| 244675   | CS                          | 3/8 npsm(f)  | LDPE                     | 0.37 (9.4)         | 4.0 (1.0)                | Aluminum                    | 17 (432)                          |      |                        |
| 245082   | 244675 with rock<br>catcher | 3/8 npsm(f)  | LDPE                     | 0.37 (9.4)         | 4.0 (1.0)                | Aluminum                    | 17 (432)                          |      |                        |
| 245083   | 241634 with rock<br>catcher | 3/8 JIC      | LDPE                     | 0.37 (9.4)         | 4.0 (1.2)                | 304 SST                     | 17 (432)                          |      |                        |
| 245176   | CS                          | 1-1/4 npt(f) | LDPE                     | 1.0 (25)           | 6 (1.8)                  | Aluminum                    | 18.25 (464)                       |      |                        |
| 24B337   | Merkur cart                 | 3/4 NT       | PTFE                     | 0.625 (15.9)       | 4.0 (1.0)                | 304 SST                     | 18 (457)                          |      |                        |
| 24B338   | Merkur cart                 | 3/4 NT       | PTFE                     | 0.875 (22.2)       | 4.0 (1.0)                | 304 SST                     | 18 (457)                          |      |                        |
| 24B424   | Merkur wall                 | 3/4 NT       | PTFE                     | 0.625 (15.9)       | 4.0 (1.0)                | 304 SST                     | 18 (457)                          |      |                        |
| 24B425   | Merkur wall                 | 3/4 NT       | PTFE                     | 0.875 (22.2)       | 4.0 (1.0)                | 304 SST                     | 18 (457)                          |      |                        |



## Other Accessories

### Siphon Kits

#### Other Accessories

### Siphon Kits

55 gal (208 l) Siphon Kits

| Part No. | Description/<br>Material           | Inlet Thread | Hose Tube<br>Material | Hose ID in<br>(mm) | Hose<br>Length<br>ft (m) | Suction Tube<br>Material | Suction Tube<br>Length<br>in (mm) | Use  | Manual                 |
|----------|------------------------------------|--------------|-----------------------|--------------------|--------------------------|--------------------------|-----------------------------------|------|------------------------|
| 203992   | low level shut off/CS              | 1-1/2 npt(m) | Buna                  | 3/4 (19)           | 6 (1.8)                  | CS                       | 36 (914)                          | Drum | <a href="#">306508</a> |
| 207485   | with ball check/CS                 | 3/4 npsm(f)  | Nylon                 | 3/4 (19)           | 6 (1.8)                  | CS                       | 36 (914)                          | Drum |                        |
| 208259   | CS                                 | 3/4 npsm(f)  | Nylon                 | 3/4 (19)           | 6 (1.8)                  | CS                       | 36 (914)                          | Drum |                        |
| 222916   | CS                                 | 2 npt(m0     | Polyethylene          | 1.5 (38)           | 8 (2.4)                  | CS                       | 36 (914)                          | Drum | <a href="#">308081</a> |
| 223009   | with screen filter/CS              | 3/4 npt(m)   | Nylon                 | 3/4 (19)           | 6 (1.8)                  | CS                       | 36 (914)                          | Drum |                        |
| 224834   | Husky 307 drum<br>mount kit/Acetal | 3/8 npt(m)   | NA                    | NA                 | NA                       | Acetal                   | 34.75 (883)                       |      |                        |
| 235502   | Husky 307 wall<br>mount            | 3/8 npt(m)   | Polypropylene         | 3/8 (9.5)          | 6 (1.8)                  | Polypropylene            | 38 (965)                          |      |                        |
| 236951   | CS                                 | 1 npt(m)     | Nylon                 | 3/4 (19)           | 6 (1.8)                  | CS                       | 36 (914)                          |      |                        |
| 241321   | CS                                 | 1 npsm(f)    | Nylon                 | 3/4 (19)           | 6 (1.8)                  | CS                       | 36 (914)                          |      |                        |
| 245084   | 244677 with strainer               | 3/8 npsm(f)  | LDPE                  | .037 (9.4)         | 6 (1.8)                  | Aluminum                 | 38 (965)                          |      |                        |
| 245085   | 244676 with strainer               | 3/8 JIC(f)   | LDPE                  | .037 (9.4)         | 6 (1.8)                  | 304 SST                  | 38 (965)                          |      |                        |
| 244676   | Triton/SST                         | 3/8 JIC(f)   | LDPE                  | .037 (9.4)         | 6 (1.8)                  | 304 SST                  | 38 (965)                          |      |                        |
| 244677   | Triton/CS                          | 3/8 npsm(f)  | LDPE                  | .037 (9.4)         | 6 (1.8)                  | Aluminum                 | 38 (965)                          |      |                        |
| 685599   | SST                                | 3/4 npt(f)   | Nylon                 | 3/4 (19)           | 6 (1.8)                  | 304 SST                  | 34 (864)                          |      |                        |
| 24A954   | Merkur drum                        |              | Nylon                 | 3/4 (19)           | 5 (1.5)                  | 304 SST                  | 42 (1067)                         |      |                        |
| 24A598   | Merkur drum                        |              | Mylon                 | 1 (25.4)           | 5 (1.5)                  | 304 SST                  | 41 (1041)                         |      |                        |

### Siphon Tubes

| Part No. | Outlet Size<br>in | Length<br>in (mm) | OD Size   | Use  |
|----------|-------------------|-------------------|-----------|------|
| 165767   | 3/4 npt(f)        | 18.0 (450)        | 7/8 in    | Pail |
| 206266   | 3/4 npt(f)        | 37.0 (940)        | 1-1/2 in  | Drum |
| 170113   | 3/4 in dia.*      | 18.0 (450)        | .840 in   | Pail |
| 166630   | 1 npt(mbe)        | 30.0 (762)        | 1-5/16 in | Drum |
| 246419   | 1 npt             | 37.0 (940)        | 1-1/2 in  | Drum |

\*Non-threaded: 101818 hose clamp required.



Other Accessories

Ground Clamp

Other Accessories

- Properly ground equipment to prevent sparks or other hazards.
- Ground work piece to maximize transfer efficiency with electrostatic guns.
- Spring-loaded clamp with sharp teeth ensure proper connection.
- Up to 16 feet long when fully uncoiled.  
Easily reach and move your work piece.



238909

Ordering Information

| Part No. | Description                      |
|----------|----------------------------------|
| 238909   | Coil extends 16 ft<br>14 GA wire |



## ABOUT GRACO

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

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