



# **ToughTek<sup>®</sup> Mortar Equipment**

Graco helps you get the job done fast with piston pumps, rotor stator pumps, mixing pumps and continuous mixers

## ► Piston Pumps

Graco's piston pump technology moves material by moving the pump up and down. For the majority of jobs, Graco's piston pump technology meets performance standards and is not only easy to maintain, but combines power and efficiency in a portable package.



**ToughTek M680a**

The ToughTek M680a piston pump handles abrasive materials such as epoxy mortars, non-skid coatings (bridges and marine industry – solvent based coatings) or cementitious materials, and tackles difficult polymers with fillers such as glass flake, silica or sand. The all stainless design makes cleanup of epoxy mortars easy and worry-free.



**ToughTek M680a CS**

If you are looking to spray fireproofing materials or other water-flush repair mortars in an electric-sensitive environment, the ToughTek M680a CS is the perfect fit. Switch to spraying repair mortars with this air powered system and start saving your business time and money.

## ► Piston Pumps – *(continued)*

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**ToughTek S340e**

Engineered with Graco's proprietary piston pump technology, the ToughTek S340e can easily handle repair mortars with small to medium sized aggregate. The S340e can also deliver all materials through long hose lengths, allowing you to spray farther distances and get the job done sooner.

## ► Piston Pumps – Fireproofing

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**ToughTek F340e**

With its compact and portable size, the F340e is the ideal pump for jobs spraying up to 100 bags per day. This pump delivers impressive spray performance thanks to its energy efficient direct drive electric motor and high output pump components.



**ToughTek F800e**

Designed with Graco's patent-pending piston pump technology and an efficient direct drive motor, the ToughTek F800e sprays up to 40 bags an hour while plugged into a standard 240V, 30A outlet. Reduce maintenance while getting longer life from the piston pump seals (compared to rotor stator pumps) with this high-performance pump.

# ► Which Piston Pump System is Right For You?

The Graco ToughTek line of piston pump spray systems is built with your needs in mind. Depending on your job requirements, Graco has you covered.



MODEL	ToughTek M680a	ToughTek M680a CS	ToughTek S340e	ToughTek F340e	ToughTek F680e	ToughTek F800e
<b>Industry</b>	Repair Mortar Fireproofing	Repair Mortar Fireproofing	Stucco/EIFS Repair Mortar	Fireproofing	Fireproofing	Fireproofing
<b>Material Output*</b>	40 bags/hr Repair Mortar	40 bags/hr Repair Mortar	40 bags/hr Stucco	15 bags/hr Fireproofing	25 bags/hr Fireproofing	40 bags/hr Fireproofing
<b>Maximum Flow Rate**</b>	10.8 gpm (41 lpm)	10.8 gpm (41 lpm)	12 gpm (45 lpm)	12 gpm (45 lpm)	10.8 gpm (41 lpm)	26 gpm (98 lpm)
<b>Maximum Pressure</b>	1000 psi (70 bar)	600 psi (42 bar)	600 psi (42 bar)	600 psi (42 bar)	600 psi (42 bar)	600 psi (42 bar)
<b>Maximum Particle Size</b>	3/16 in (5 mm)	3/16 in (5 mm)	3/16 in (5 mm)	3/16 in (5 mm)	3/16 in (5 mm)	3/16 in (5 mm)
<b>Maximum Hose Length</b>	100 ft (31 m)	100 ft (31 m)	100 ft (31 m)	150 ft (46 m)	200 ft (61 m)	300 ft (91 m)
<b>Power Input</b>	40 CFM Compressed Air (pneumatic pump)	40 CFM Compressed Air (pneumatic pump)	120V, 15A 230V, 10A, 1Ph	120V, 15A 230V, 10A, 1Ph	240V, 35A, 1Ph 380V, 16A, 3Ph	240V, 30A, 1Ph (2) 120V, 15A
<b>Pump Outlet Size</b>	1 in (25 mm) Graco Camlock	1.5 in (38 mm) Camlock	1.5 in (38 mm) Camlock	1.5 in (38 mm) Camlock	1.5 in (38 mm) Camlock	2 in (51 mm) Camlock
<b>Chemical Compatibility</b>	Solvent Based Materials Water Based Materials	Water Based Materials	Water Based Materials	Water Based Materials	Water Based Materials	Water Based Materials
<b>Hopper Capacity</b>	10 gal (38 L)	10 gal (38 L)	20 gal (76 L)	20 gal (76 L)	30 gal (114 L)	40 gal (152 L)
<b>System Weight</b>	250 lbs (113 kg)	250 lbs (113 kg)	210 lbs (95 kg)	210 lbs (95 kg)	625 lbs (284 kg)	385 lbs (175 kg)
<b>System Options</b>	N/A	N/A	Remote Switch	Remote Switch, Air Compressor	Remote Switch, Air Compressor	Remote Switch (Standard)
<b>Manual</b>	332612	332612	3A3437	3A3109	3A3110	3A5653

\*Bags per hour dependent on material selection and hose set-up.

\*\*Testing in water

# ► Ordering Information

## Piston Pump Systems

### F340e Systems

25A500	F340e bare, 120V, 15A
25A502	F340e bare w/remote on/off switch 120V, 15A
25A550	F340e bare w/air compressor 120V, 15A
25A552	F340e bare w/remote & air compressor 120V, 15A
25A504	F340e bare, 230V, 10A
25A506	F340e bare w/remote on/off switch 230V, 10A
25A554	F340e bare, w/air compressor 230V, 10A
25A556	F340e bare, w/remote & air compressor 230V, 10A
25C600	F340e bare, 120V, 15A, UK
25C602	F340e bare w/remote on/off switch 120V, 15A

### F680e Systems

24Y500	F680e bare, w/air compressor 230V, 30A, 1Ph
24Y502	F680e bare, 230V, 30A, 1Ph

### F800e Systems

25M800	F800e bare, 230V, 30A, 1Ph
25M802	F800e bare, w/ low power kit

### S340e Systems

25A300	S340e bare, 120V, 15A
25A302	S340e bare w/remote on/off switch 120V, 15A
25A304	S340e bare, 230V, 10A
25A306	S340e bare w/remote on/off switch, 230V, 10A
25C610	S340e bare, 120V, 15A, UK
25C612	S340e bare w/remote on/off switch, 120V, 15A, UK

### M680a Systems

24T836	M680a bare
24T835	M680a bare, no hopper

### M680a CS Systems

25M572	M680a CS bare
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## Piston Pump Packages

### F340e Packages - includes 50 ft (15 m) hose, pole applicator and required adapters

25B501	F340e pkg., 120V, 15A
25B503	F340e pkg., w/remote on/off switch 120V, 15A
25B551	F340e pkg., w/air compressor 120V, 15A
25B553	F340e pkg., w/remote & air compressor 120V, 15A
25A505	F340e pkg., 230V, 10A
25A507	F340e pkg., w/remote on/off switch 230V, 10A
25A555	F340e pkg., w/air compressor 230V, 10A
25A557	F340e pkg., w/remote & air compressor 230V, 10A
25C601	F340e pkg., 120V, 15A, UK
25C603	F340e pkg., w/remote on/off switch 120V, 15A

### F680e Packages - includes 100ft (30 m) hose, pole applicator, remote switch and cable and required adapters

27Y501	F680e pkg., w/air compressor 230V, 30A, 1Ph
27Y503	F680e pkg., 230V, 30A, 1Ph

### F800e Packages - includes 200 ft (60 m) hose, pole applicator, remote switch and cable and required adapters

25M810	F800e pkg, 230V, 30A, 1Ph
25M812	F800e pkg, w/low power kit

### S340e Packages - includes 50 ft (15 m) hose, stucco applicator and required adapters

27A301	S340e pkg., 120V, 15A
27A303	S340e pkg., w/remote on/off switch 120V, 15A
25A305	S340e pkg., 230V, 10A
25A307	S340e pkg., w/remote on/off switch, 230V, 10A
25C611	S340e pkg., 120V, 15A, UK
25C613	S340e pkg., w/remote on/off switch, 120V, 15A, UK

### M680a Packages - includes 35ft (10.7 m) solvent compatible hose with air bundle, choice of applicator and required adapters, soft seal repair pump kit

24T834	M680a pkg., Flex hose applicator
262909	M680a pkg., HTX applicator
262927	M680a pkg., 60 ft (18 m) hose with air bundle, HTX & Flex hose applicator, complete pump repair kit, extra applicator retaining cap and extra applicator tips

### M680a CS Packages - includes 50 ft (15 m) hose with air hose bundle, choice of applicator and required adapters

27A489	M680a CS pkg., Flex hose applicator
27A490	M680a CS pkg., Pole applicator
27A491	M680a CS pkg., HTX Applicator

## ▶ Rotor Stator Pumps

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Graco's rotor stator pump technology moves material by rotating the pump in a circular fashion. For larger jobs that require thicker materials, a powerful rotor stator pump will give you the durability and rugged performance needed to get the job done quickly and efficiently.



### ToughTek P20

The smallest of the three P-Series pumps, the ToughTek P20 is ideal for medium sized plaster applications as well as small jobs like pointing, or filling the spaces between stone or grout. This pump provides long-lasting durability and rugged performance for even the thickest mortar materials. In addition, its compact design and light weight make it easy to transport and use on the jobsite.

## ▶ Rotor Stator Pumps – (continued)

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**ToughTek P30HT**

If you like the compact size of the P20 rotor stator pump, but are looking for more output, the ToughTek P30HT is the perfect fit for your business. Upgrade to this pump if you plan to use epoxy-based mortars (or other thick high-viscosity materials) or plan to spray taller buildings, such as sport stadiums, high-rises, apartment complexes, hospitals and parking garages to name a few.



**ToughTek P30X**

The simple technology of a rotor stator pump is perfect for contractors who are looking for a basic pump that is easy to clean and service. The P30X has a large 60-gallon (227 L) hopper and offers superior performance from a rotor stator pump.

## ▶ Rotor Stator Pumps – (continued)

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**ToughTek P30X-HT**

The ToughTek P30X-HT is perfect for contractors who are looking for versatility and features for medium to large stucco and EIFS projects. The P30X-HT has a large 60-gallon (227 liter) hopper and offers superior performance for a variety of stucco and EIFS materials.



**ToughTek P40**

Known as the workhorse because of its 600 psi output pressure, the ToughTek P40 is built for high volume applications. The high flow rate and high pressure allows contractors to pump stucco and EIFS up a tall building while keeping the pump on the ground, saving your operation time.

# ► Which Rotor Stator Pump System is Right For You?

The Graco ToughTek line of rotor stator pump spray systems is built with your needs in mind. Depending on your job requirements, Graco has you covered.



MODEL	ToughTek P20	ToughTek P30HT	ToughTek P30X	ToughTek P30X-HT	ToughTek P40
<b>Industry</b>	Stucco/EIFS Repair Mortar	Stucco/EIFS Repair Mortar	Fireproofing	Fireproofing Repair Mortar	Repair Mortar Self-leveling Underlayment (SLU)
<b>Material Output</b>	25 bags/hr Repair Mortar	30 bags/hr Repair Mortar	35 bags/hr Fireproofing	20 bags/hr Fireproofing	300 bags/hr Self-leveling Underlayment (SLU)
<b>Maximum Flow Rate*</b>	7.3 gpm (27.6 lpm)	9.8 gpm (37.1 lpm)	16.6 gpm (62.8 lpm)	9.8 gpm (37.1 lpm)	18.7 gpm (70.8 lpm)
<b>Maximum Pressure</b>	300 psi (21 bar)	300 psi (21 bar)	300 psi (21 bar)	300 psi (21 bar)	600 psi (42 bar)
<b>Maximum Particle Size</b>	1/4 in (6 mm)	1/4 in (6 mm)	1/4 in (6 mm)	1/4 in (6 mm)	1/4 in (6 mm)
<b>Maximum Hose Length</b>	100 ft (31 m)	150 ft (45 m)	200 ft (61 m)	250 ft (76 m)	400 ft (184 m)
<b>Power Input</b>	240V, 30A, 1Ph 240V, 16A, 1Ph	240V, 30A, 1Ph	240V, 30A, 1Ph	240V, 30A, 1Ph	240V, 25A, 3Ph
<b>Pump Outlet Size</b>	1.5 in (38 mm) Camlock	1.5 in (38 mm) Camlock	1.5 in (38 mm) Camlock	1.5 in (38 mm) Camlock	2 in (51 mm) Camlock
<b>Chemical Compatibility</b>	Water Based Materials	Water Based Materials	Water Based Materials	Water Based Materials	Water Based Materials
<b>Hopper Capacity</b>	19 gal (72 L)	19 gal (72 L)	63 gal (239 L)	63 gal (239 L)	19 gal (72 L)
<b>System Weight</b>	300 lbs (136 kg)	320 lbs (145 kg)	420 lbs (190 kg)	440 lbs (200 kg)	530 lbs (240 kg)
<b>System Options</b>	Remote Switch	Remote Switch	Remote Switch	Remote Switch	Remote Switch
<b>Manual</b>	3A4361	3A4361	3A4361	3A4361	3A4361

\*Testing in water

# ▶ Ordering Information

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## P-Series Systems.....

### P20 Systems

- 25M030 P20 Bare, 230V, 30A, 1Ph
- 25M033 P20 Bare, 230V, 16A, 1Ph

### P30 Systems

- 25M032 P30 HT Bare, 230V, 30A, 1Ph

### P30X Systems

- 25M040 P30X Bare, 230V, 30A, 1Ph
- 25M041 P30X HT Bare, 230V, 30A, 1Ph

### P40 Systems

- 25M050 P40 Bare, 230V, 25A, 3Ph

## P-Series Packages.....

### P20 Packages - *includes 50 ft (15 m) hose stucco applicator and required adapters*

- 25M130 P20 Package, 230V, 30A, 1Ph
- 25M133 P20 Package, 230V, 16A, 1Ph

### P30 Packages - *includes 100 ft (30 m) hose stucco applicator and required adapters*

- 25M132 P30 HT Package, 230V, 30A, 1Ph

### P30X Packages - *includes 100 ft (30 m) hose, pole applicator and required adapters*

- 25M140 P30X Package, 230V, 30A, 1Ph
- 25M141 P30X HT Package, 230V, 30A, 1Ph

## ► Mixing Pumps

Mix, pump and apply pre-blended cementitious and gypsum-based construction materials with a single, easy-to-use machine. Because one or two workers can operate a ToughTek mixing pump, it saves on labor expenses. In addition, its water system helps reduce material waste by maintaining material consistency at a uniform flow rate.



**ToughTek MP20**

With its ability to mix and pump, this all-in-one compact machine is the ideal solution for contractors looking to make the switch from manually applying self-leveling underlayment. The MP20 can deliver up to 100 bags per hour allowing contractors to get jobs done faster.



**ToughTek MP40**

Although identical in size and function as the MP20, the MP40 has double the output and can pump up to 200 bags per hour of self-leveling underlayment. The larger motor and pump make the MP40 an excellent fit for contractors looking for a high production solution.

# ► Tech Specs and Ordering Information

The Graco ToughTek line of mixing pumps are built with your needs in mind. Depending on your job requirements, Graco has you covered.



MODEL	ToughTek MP20	ToughTek MP40
<b>Industry</b>	Self-leveling Underlayment (SLU)	Self-leveling Underlayment (SLU)
<b>Material Output</b>	100 bags/hr Self-leveling Underlayment	200 bags/hr Self-leveling Underlayment
<b>Maximum Flow Rate*</b>	7.3 gpm (27.6 lpm)	13 gpm (49.2 lpm)
<b>Maximum Pressure</b>	300 psi (21 bar)	300 psi (21 bar)
<b>Maximum Particle Size</b>	1/4 in (6 mm)	1/4 in (6 mm)
<b>Maximum Hose Length</b>	100 ft (31 m)	100 ft (31 m)
<b>Power Input</b>	230V, 30A, 1Ph 230V, 16A, 1Ph, 50Hz	230V, 25A, 3Ph 380V, 25A, 3Ph, 50Hz
<b>Pump Outlet Size</b>	1.5 in (38 mm) Camlock	1.5 in (38 mm) Camlock
<b>Chemical Compatibility</b>	Water Based Materials	Water Based Materials
<b>Hopper Capacity</b>	38 gal (44 L)	38 gal (44 L)
<b>System Weight</b>	430 lbs (195 Kg)	450 lbs (204 Kg)
<b>System Options</b>	Static Mixer	Static Mixer
<b>Manual</b>	3A4349	3A4349

\*Testing in water

## MP Systems

### MP20 Systems

- 25M060** MP20 Bare, 230V, 30A, 1Ph
- 25M061** MP20 Bare, 230V, 16A, 1Ph, 50Hz

### MP40 Systems

- 25M062** MP40 Bare, 230V, 25A, 3Ph
- 25M063** MP40 Bare, 380V, 25A, 3Ph, 50Hz

## MP Packages

### MP20 Packages - includes 100 ft (30 m) hose and required adapters

- 25M160** MP20 Package, 230V, 30A, 1Ph
- 25M161** MP20 Package, 230V, 16A, 1Ph, 50Hz

### MP40 Packages - includes 100 ft (30 m) hose and required adapters

- 25M162** MP40 Package, 230V, 25A, 3Ph
- 25M163** MP40 Package, 380V, 25A, 3Ph, 50Hz

## ► Continuous Mixers

With ToughTek continuous mixers, it's easy to mix pre-blended mortar products such as EIFS, plaster, stucco, self-leveling underlayments, refractory materials, masonry and grout. Just set the water flow rate for your specific material, break bags of material into the hopper, and the system automatically does the rest. Expect rugged performance and easy maintenance with durable wear parts and components.



**ToughTek CM20**

For large jobs, the affordable CM20 continuous mixer achieves higher output than traditional methods and comparable mixers while maintaining a high quality mix. In addition, the CM20 is the first continuous mixer on the market to be rated for a standard 120V circuit so you can plug it in and start mixing anywhere on the site.



**ToughTek CM40**

Ideal for larger projects, the ToughTek CM40 continuous mixer will improve your crew's production rates with an output of up to 300 bags per hour of self-leveling underlayment. The CM40 also comes with a water flow meter and water booster pump so you can easily set and adjust water flow while maintaining water pressure, giving your operation consistent results continuously, day to day.

# ► Tech Specs and Ordering Information

The Graco ToughTek line of continuous mixers are built with your needs in mind. Depending on your job requirements, Graco has you covered.



MODEL	ToughTek CM20	ToughTek CM40
<b>Industry</b>	Repair & Masonry Mortar Stucco/EIFS	Repair Mortar Self-leveling Underlayment (SLU)
<b>Material Output</b>	40 bags/hr Stucco	300 bags/hr Self-leveling Underlayment
<b>Maximum Flow Rate*</b>	6.5 gpm (24 lpm)	18 gpm (70 lpm)
<b>Maximum Particle Size</b>	5/16 in (8 mm)	5/16 in (8 mm)
<b>Power Input</b>	120V, 15A 230V, 10A, 1Ph	230V, 30A, 1Ph 230V, 30A, 1Ph, 50Hz 230V, 25A, 3Ph, 50Hz
<b>Chemical Compatibility</b>	Water Based Materials	Water Based Materials
<b>System Weight</b>	210 lbs (95 Kg)	440 lbs (200 Kg)
<b>Manual</b>	3A5202	3A4350

\*Testing in water

## CM Systems

### CM20 Systems

**25M530** CM20 System, 120V, 15A

**25M563** CM20 System, 230V, 10A

### CM40 Systems

**25M080** CM40 System, 230V, 30A, 1Ph, 50Hz

**25M081** CM40 System, 230V, 30A, 1Ph, 60Hz

**25M082** CM40 System, 230V, 25A, 3Ph, 50Hz

### CM40 Silo Systems

**25M085** CM40 Silo System, 230V, 30A, 1Ph, 50Hz

**25M086** CM40 Silo System, 230V, 30A, 1Ph, 60Hz

**25M087** CM40 Silo System, 230V, 25A, 3Ph, 50Hz

# ► Mortar Hose Ordering Information

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## Camlock Mortar Hose .....

*600 psi (42 bar) Water Flush Compatible*

### 10 ft (3 m) Hose

- 27A000 3/4 in (19 mm) hose with 1 in Camlock Couplings
- 27A001 1 in (25 mm) hose with 1 in Camlock Couplings

### 25 ft (7.5 m) Hose

- 27A002 1 in (25 mm) hose with 1 in Camlock Couplings
- 27A003 1.38 in (35 mm) hose with 1.5 in Camlock Couplings

### 50 ft (15 m) Hose

- 27A004 1.38 in (35 mm) hose with 1.5 in Camlock Couplings
- 27A005 2 in (50 mm) hose with 2 in Camlock Couplings

## Ludecke Mortar Hose .....

*600 psi (42 bar) Water Flush Compatible*

### 10 ft (3 m) Hose

- 17G920 1 in (25 mm) hose with 25 mm Ludecke Couplings

### 25 ft (7.5 m) Hose

- 17G921 1 in (25 mm) hose with 25 mm Ludecke Couplings
- 17G924 1.38 in (35 mm) hose with 35 mm Ludecke Couplings

### 50 ft (15 m) Hose

- 17G925 1.38 in (35 mm) hose with 35 mm Ludecke Couplings
- 17G928 2 in (50 mm) hose with 50 mm Ludecke Couplings

### 65 ft (20 m) Hose

- 17G929 2 in (50 mm) hose with 50 mm Ludecke Couplings

## Graco Camlock Hose .....

*1000 psi (70 bar) Solvent Flush Compatible*

### 10 ft (3 m) Hose

- 16W512 3/4 in (19 mm) hose with 1 in Graco Camlock Couplings

### 25 ft (7.5 m) Hose

- 16W511 1 in (25 mm) hose with 1 in Graco Camlock Couplings
- 24R254 1 in (25 mm) hose, M680a Spray Line extension bundle (material and air)

### 35 ft (10.7 m) Hose

- 24U210 1 in (25 mm) hose, M680a Spray Line Kit with material shut off valve (material and air)

# ▶ Material Spray Kits Ordering Information

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## Camlock Couplings .....

### Stucco Base Coat

**27A218** Stucco Spray Kit; Includes Stucco applicator, 1.38 in x 50 ft (35 mm x 15 m) hose, 1 in x 10 ft (25 mm x 3 m) hose and required adapters (uses Camlock Couplings)

### EIFS/Finish Coat

**27A219** EIFS Spray Kit; Includes HTX applicator, 1.38 in x 50 ft (35 mm x 15 m) hose, 1 in x 10 ft (25 mm x 3 m) hose and required adapters (uses Camlock Couplings)

### Stucco/EIFS Combo

**27A916** Stucco/EIFS Combo Spray Kit; Includes Stucco and HTX applicator, 1.38 in x 50 ft (35 mm x 15 m) hose, 1 in x 10 ft (25 mm x 3 m) hose and required adapters (uses Camlock Couplings)

### Fireproofing

**27A456** Medium Output Fireproofing Spray Kit; Includes Fireproofing pole applicator, 1.38 in x 50 ft (35 mm x 15 m) hose, 1.38 in x 25 ft (35 mm x 7.6 m) hose, 1 in x 25 ft (25 mm x 7.6 m) hose and required adapters (uses Camlock Couplings)

**27A457** Patch and Repair Fireproofing Spray Kit; Includes Fireproofing pole applicator, 1.38 in x 25 ft (35 mm x 7.6 m) hose, 1 in x 25 ft (25 mm x 7.6 m) hose and required adapters (uses Camlock Couplings)

# ► Applicator Ordering Information

## Applicators

### Stucco Base Coat

- 25A217 Stucco applicator with 35 mm (1.38 in) Ludecke Coupling
- 25D852 Stucco applicator with 1.5 in (f) Camlock Coupling

### EIFS/Finish Coat

- 25A515 HTX applicator with 25 mm (1 in) Ludecke Coupling
- 25D853 HTX applicator with 1 in (f) Camlock Coupling

### Fireproofing

- 24Y619 Pole applicator with 25 mm (1 in) Ludecke Coupling
- 25D851 Pole applicator with 1 in (f) Camlock Coupling

## M680a Applicators

### Anti-Skid/Epoxy Mortar

- 24T947 Flex Hose applicator with 1 in (25 mm) Graco Camlock (includes material and shut-off valve)

### General Mortar Applications

- 24T946 Pole applicator with 1 in (25 mm) Graco Camlock (includes material and shut-off valve)

### General Finish Applications

- 24U209 HTX applicator with 1 in (25 mm) Graco Camlock (includes material and shut-off valve)

## Pole/Flex Hose/Stucco Applicator Nozzle & Parts

- |        |                                |        |  |
|--------|--------------------------------|--------|--|
| 128459 | Round Nozzle, 3/8 in stamped   | 16A405 | Retaining cap, med. rubber <i>(supplied with applicator)</i> |
| 128460 | Round Nozzle, 1/2 in stamped   | 16A421 | Retaining cap, hard rubber                                   |
| 128461 | Round Nozzle, 9/16 in stamped  | 16A443 | Round Nozzle #3, 3/16 in stainless                           |
| 128462 | Round Nozzle, 5/8 in stamped   | 16A444 | Round Nozzle #4, 1/4 in stainless                            |
| 128463 | Round Nozzle, 11/16 in stamped | 16A445 | Round Nozzle #5, 5/16 in stainless                           |
| 128464 | Round Nozzle, 3/4 in stamped   | 16A446 | Round Nozzle #6, 3/8 in stainless                            |
| 128465 | Mini shield wide pattern       | 16A447 | Round Nozzle #7, 7/16 in stainless                           |
| 128466 | Mini shield medium pattern     | 16A448 | Round Nozzle #8, 1/2 in stainless                            |
| 128467 | Mini shield narrow pattern     | 16A449 | Round Nozzle #9, 9/16 in stainless                           |

## HTX Applicator Nozzle & Parts

- |        |                                  |        |  |
|--------|----------------------------------|--------|--|
| 248524 | HTX Round Nozzle, 4 mm stainless | 248527 | HTX Round Nozzle, 10 mm stainless  |
| 248525 | HTX Round Nozzle, 6 mm stainless | 287227 | Flat Pattern Nozzle Kit (includes 1/8, 1/4, 5/16 and 3/8 in) pattern discs |
| 248526 | HTX Round Nozzle, 8 mm stainless |        |  |

# ► Piston Pump Accessories & Repair Parts Ordering Information

## Piston Pump System Accessories

<b>17G554</b>	Complete Remote Switch kit ,compatible with F340e & S340e
<b>17H197</b>	Remote On/Off Toggle Switch with 100 ft (30 m) cable
<b>17G665</b>	Remote Switch Extension Cable - 100 ft (30 m)
<b>25A930</b>	F340e Air Compressor kit, 120V
<b>25A931</b>	F340e Air Compressor kit, 240V
<b>17H193</b>	Pump Inlet Elbow (Fits F340e, S340e, F680e)
<b>17H196</b>	Clamp for pump inlet elbow (Fits F340e, S340e, F680e)
<b>25A178</b>	Pump conversion kit (Converts F340e pump lower to S340e pump lower)
<b>25D918</b>	Pump conversion kit (Converts S340e pump lower to F340e pump lower)
<b>17W829</b>	Remote switch extension 110', compatible with F800e
<b>25D489</b>	Low Power Kit, compatible with F800e
<b>17W604</b>	Complete Remote Switch kit, compatible with F800e
<b>24W889</b>	M680a 25 gal (95 L) molded hopper kit with camlock fitting
<b>24T853</b>	M680a 10 gal (38 L) SST hopper kit with camlock fitting
<b>16U537</b>	M680a hopper lid kit, SST
<b>24U185</b>	M680a fluid line sleeve, 50 ft (15 m) solvent resistant

## Sponge Balls

<b>248515</b>	Sponge ball for 1 in (25 mm) hose, 5 pack
<b>25A227</b>	Sponge ball for 1.38 in (35 mm) hose, 5 pack
<b>17G930</b>	Sponge ball for 2 in (50 mm) hose, 5 pack

## Air Hose Kits

<b>24Y391</b>	Air hose 1/2 in, 50 ft (15 m) with 1/4" QD fittings
<b>24Y392</b>	Air hose 3/8 in, 50 ft (15 m) with 1/4" QD fittings
<b>24Y393</b>	Air hose 3/8 in, 25 ft (15 m) with 1/4" QD fittings
<b>24U331</b>	Air hose, 3/8 in, 38 ft (11.6 m) with pilot line and sleeve
<b>24T852</b>	Air hose, 3/8 in, 26 ft (7.9 m) with pilot line and sleeve
<b>24U184</b>	Air line sleeve, 50 ft (15 m) solvent resistant

## Piston Pump Repair Parts

### S340e

<b>25A233</b>	Pump rebuild kit (all soft seals and check balls)
<b>17G863</b>	Carbide inlet seat with o-ring
<b>17G862</b>	Piston seat with o-ring
<b>25A466</b>	Pump Outlet Check Valve
<b>25A467</b>	Check valve kit; includes inlet ball (15H833) & piston ball (17G798)
<b>16W490</b>	Pump Cylinder o-ring, 10 pack
<b>16W491</b>	Piston Seal kit, 3 pack
<b>17G865</b>	Throat Seal kit, 3 pack
<b>17G456</b>	Pump Lower clamp assembly

### F340e - F800e

<b>17W623</b>	Pump rebuild kit (all soft seals and check balls), F800e
<b>17H242</b>	Pump rebuild kit (all soft seals and check balls), F340e
<b>17H194</b>	Pump Outlet Check Valve
<b>16W510</b>	Carbide Inlet Seat with o-ring
<b>17H191</b>	Piston seat with o-ring
<b>16W490</b>	Pump Cylinder o-ring, 10 pack
<b>16W491</b>	Piston Seal kit, 3 pack
<b>16W492</b>	Throat Seal kit, 3 pack
<b>17G456</b>	Pump Lower clamp assembly
<b>17H192</b>	Outlet check valve seat with o-ring
<b>102973</b>	Outlet check valve ball, stainless, 1.25 dia

### M680a

<b>16W508</b>	Pump rebuild kit (all soft seals and check balls)
<b>24U173</b>	Pump rebuild kit (soft seals only)
<b>16W510</b>	Carbide inlet seat with o-ring
<b>16W509</b>	Carbide piston seat with o-ring
<b>16W513</b>	Zero-cavity relief valve

# ► Rotor Stator Repair Parts & Mortar Coupling Ordering Information

## Rotor Stator Repair Parts

17N886	Rotor/Stator Pump Pressure Test Kit – 1.5 in Camlock
MTA106	Hopper Flange Seal
MTA701	Rotor Kit – P40
MTA702	Stator Kit – P40
MTA703	Rotor/Stator Combo Kit – P40
MTA719	Rotor Kit – P20, MP20
MTA720	Stator Kit – P20, MP20
MTA721	Rotor/Stator Combo Kit – P20, MP20
MTA722	Rotor Kit – MP40
MTA723	Stator Kit – MP40
MTA724	Rotor/Stator Combo Kit – MP40
MTA746	Rotor Kit – P30, P30X, P30HT, P30X-HT
MTA747	Stator Kit – P30, P30X, P30HT, P30X-HT
MTA750	Rotor/Stator Combo Kit – P30, P30X, P30HT, P30X-HT

## Mixing Pump Repair Parts

MTA712	MP20 Mixing Shaft
MTA713	MP40 Mixing Shaft

## Continuous Mixer Repair Parts

17T470	CM20 Dosing Shaft
17T457	CM20 Mixing Shaft
MTA795	CM40 Mixing Shaft
MTA802	CM40 Dosing Shaft

## Mortar Coupling Conversion Kits

17N875	Pump Outlet Ludecke Mortar Coupling Kit 35 mm Ludecke (f) x 1.5 in NPT (m) - fits F340e, S340e and F680e
17N876	Applicator Inlet Ludecke Mortar Coupling Kit 25 mm Ludecke (f) x 1 in NPT (f) - fits fireproofing, EIFS, Browning and Deco applicators
17N877	Applicator Inlet Ludecke Mortar Coupling Kit 35 mm Ludecke (f) x 1.25 in NPT (m) - fits stucco applicator

## Rotor Stator Repair Parts

### Camlock Mortar Couplings

25D854	Camlock adapter 2 in (f) x 1.5 in (m)
25D855	Camlock adapter 1.5 in (f) x 1 in (m)
128476	1.5 in Camlock, 1.5 in (m) cam x 1.25 in NPT (f)
128477	1.5 in Camlock, 1.5 in (f) cam x 1.25 in NPT (f)
25D858	Camlock 1 in (m) x 1 in (f) NPT
25D859	Camlock 1 in (f) x 1 in (f) NPT
128474	Camlock 1.5 in (m) x 1.5 (f) NPT
128475	Camlock 1.5 in (f) x 1.5 in (f) NPT
128473	Camlock 1.5 in (m) x 1.5 in (m) NPT
128758	Camlock 1.5 in (f) x 1.5 in (m) NPT
25D861	Camlock 2 in (m) x 2 in (f) NPT
25D862	Camlock 2 in (f) x 2 in (f) NPT
25D863	Camlock 1 in replacement gasket
25D864	Camlock 1.5 in replacement gasket
25D865	Camlock 2 in replacement gasket

### Ludecke Mortar Couplings

17N887	Ludecke Mortar Coupling Reducer, (m-m), 35 mm to 25 mm
17N888	Ludecke Mortar Coupling Reducer, (m-m), 50 mm to 35 mm
17N889	Ludecke Mortar Coupling Adapter, (m-m), 35 mm to 35 mm
17N890	Ludecke Mortar Coupling Reducer, (f-m), 35 mm to 25 mm
17N891	Ludecke Mortar Coupling, 35 mm (f) mortar to 1.5 in BSPP (f)
17N892	Ludecke Mortar Coupling, 50 mm (f) mortar to 2 in BSPP (f)
17N893	Ludecke Mortar Coupling, 25 mm (f) mortar to 1 in BSPP (f)
17N894	Ludecke Mortar Coupling, 35 mm in (f) mortar to 1.25 in BSPP (f)
17N872	Ludecke Mortar Coupling Gasket – 25 mm
17N873	Ludecke Mortar Coupling Gasket – 35 mm
17N874	Ludecke Mortar Coupling Gasket – 50 mm

### Graco Camlock Mortar Couplings

15T116	Graco 1 in Mortar Coupling, 1 in (m) cam x 1 in NPT (f)
289874	Graco 1 in Mortar Coupling, 1 in (f) cam x 1 in NPT (f)
17G767	Graco Camlock Adapter – 1.5 in Standard (f) x 1 in Graco (m)



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