



# ToughTek™

Fireproofing Pumps



PROVEN QUALITY. LEADING TECHNOLOGY.



# Big Performance From a Small Sprayer

## Save time with high-pressure performance

Designed for fireproofing applications, Graco ToughTek Fireproofing Pumps handle low, medium and high-density sprayed fire resistive materials (SFRMs), delivering them with a smooth, steady flow rate.

Engineered with piston pump technology, ToughTek Pumps deliver high pressures to move materials through long hose lengths – which helps you spray longer and farther to get the job done sooner. You spend more time spraying and less time moving your equipment around the job site.

## Easy to operate

Designed for simple, intuitive operation, your crew will be up and running in no time.

- Plug and play – the ToughTek F340e pump plugs into a standard 230V or 120V wall outlet
- Variable speed control – dial in the exact speed needed
- Optional remote start/stop switch – lets the nozzle man start or stop the pump

## Compact, portable and easy to move

The ToughTek Fireproofing Pump's compact design and small footprint makes it easy to transport onto the jobsite. Take it anywhere – doorways, halls and elevators. ToughTek Fireproofing Pumps fit into tight spaces so you can spray with ease.

## Save money with overall durability

The ToughTek Fireproofing Pump's durable piston pump stands up to highly abrasive fireproofing materials. Its quick knockdown design makes maintenance fast and easy. You eliminate the frequent expense of replacing pump parts.

### Materials

Low, medium and high density fireproofing including

- Gypsum-based SFRMs
- Cementitious SFRMs

### Applications

- Onshore oil
- Gas and chemical processing facilities
- Industrial structures
- Commercial buildings
- Floor and roof assemblies, steel beams, joists and columns



ToughTek F680e Fireproofing Pump



### Pivoting Pump Lower

- For easy maintenance

### Variable Speed

- Dial in the exact speed needed, from low to high volume output

### Easy to Clean Hopper

- Rugged polyethylene construction
- 76 L (20 gal) capacity

### Compact and Portable

- Easy to move

### Optional Integrated Compressor

- Tankless only available in 230V
- 140 liter @ 2,8 bar continuous output

### Low Power Requirements

- Plugs into standard 230V or 120V outlet
- No electrician or rewiring needed

### Female Mortar Coupling

- For fast, easy assembly

### Pump Lower

- Designed for heavy materials, rugged steel construction
- Quick knockdown

### Tool-less Hopper Removal

- Disconnects in seconds to clean

### Optional Remote On/Off Switch

- Start or stop the pump at the nozzle

### Flat Proof Tires

- Withstand the worst jobsite debris

Ideal for difficult-to-reach locations, the compact ToughTek F340e Portable Fireproofing Pump is a rugged, dependable workhorse for fireproofing materials.

# Which System is Right For You?

The Graco ToughTek Fireproofing pumps are available in two models, the F340e and the F680e. Depending on your job requirements, Graco has the right pump to fit your needs.



## Technical Specifications

|                               | F340e  | F680e                                   |
|-------------------------------|--|---|
| Pump type                     | 2-ball piston  | 2-ball piston                           |
| Max working pressure          | 41 bar (600 psi, 4.1 MPa)  | 34 bar (500 psi, 3.4 MPa)               |
| Max spray pressure            | 34 bar (500 psi, 3.4 MPa)  | 34 bar (500 psi, 3.4 MPa)               |
| Max output (bags/hour)*       | Up to 15   | Up to 25                                |
| Max output**                  | 24 lpm (6.5 gpm)   | 41 lpm (10.8 gpm)                       |
| Volume control                | Variable   | Variable                                |
| Max hose length               | 1 in dia x 30.5 m (100 ft)   | 91.5 m (300 ft)                         |
| Conveying distance - vertical | Up to 15 m (50 ft)   | Up to 61 m (200 ft)                     |
| Hopper capacity               | 76 L (20 gal)  | 114 L (30 gal)                          |
| Hopper opening (W x D)        | 57 x 36 cm (22.5 x 14 in)  | 52 x 70 cm (20.5 x 27.5 in)             |
| Hopper/filling height         | 66 cm (26 in)  | 66 cm (26 in)                           |
| Pump outlet size              | 1 in cam groove (m)  | 1.5 in cam groove (m)                   |
| Dimensions (L x W x H)        | 116 x 61 x 97 cm (45.5 x 24 x 38 in)   | 158 x 84 x 117 cm (62.25 x 33 x 46 in)  |
| Weight                        | 95 kg (210 lb)   | 284 kg (625 lb)                         |
| Chemical compatibility        | Water based materials  | Water based materials                   |
| Max air compressor pressure   | 3.8 bar (55 psi, 0.38 MPa)   | 5.2 bar (75 psi, 0.52 MPa)              |
| Max air compressor flow       | 140 L (5 cfm) (compressor models only)   | 280 L (10 cfm) (compressor models only) |
| Air compressor outlet size    | ¼ in QD (f) fitting  | ¼ in QD (f) fitting                     |
| Wetted parts                  | SST, aluminum, carbide seats, plated steel, PTFE, UHMWPE, LLDPE, urethane, solvent-resistant elastomer |   |
| Remote on/off switch          | Optional   | Included                                |
| Air compressor                | Optional   | Optional                                |
| Manual                        | 3A3109   | 3A3110                                  |

\* Tested with high density cementitious fireproofing material. Performance will vary based on material, mix consistency, hose size and other factors. Check with material suppliers or contact your Graco distributor for a demonstration. \*\* Theoretical flow rate.

# Ordering Information

## ToughTek F340e Portable Pumps

F340e Packages include: 15 m (50 ft) hose and 24Y619 pole applicator. All F340e units include material hopper.

| Part No. | Description                                 |
|----------|---|
| 25A504   | ToughTek, F340, 230V, bare                  |
| 25A505   | ToughTek, F340, 230V, pkg                   |
| 25A506   | ToughTek, F340, 230V, bare, remote switch   |
| 25A507   | ToughTek, F340, 230V, pkg, remote switch    |
| 25A554   | ToughTek, F340, 230V, bare, w. compressor   |
| 25A555   | ToughTek, F340, 230V, pkg, w. compressor    |
| 25A556   | ToughTek, F340, 230V, bare, rem, compressor |
| 25A557   | ToughTek, F340, 230V, pkg, rem, compressor  |

F340 unit only: 230 Volt, 1 phase, 10 Amp, 1 power cord, F340 units with compressor adds 8 Amp on a second power cord

| Part No. | Description   |
|----------|---|
| 25C600   | F340e bare, 120V, 15A, 1-ph                         |
| 25C601   | F340e pkg, 120V, 15A, 1-ph                          |
| 25C602   | F340e bare, w/remote on/off switch, 120V, 15A, 1-ph |
| 25C603   | F340e pkg w/remote on/off switch, 120V, 15A, 1-ph   |

## ToughTek F680e Pumps

F680e Packages include: 23 m (75 ft) hose and 24Y619 pole applicator. All F680e units include remote on/off switch and material hopper.

| Part No. | Description                                    |
|----------|--|
| 24Y504   | F680e bare, w/ air compressor, 400V, 16A, 3-ph |
| 24Y505   | F680e pkg w/ air compressor, 400V, 16A, 3-ph   |
| 24Y506   | F680e bare, no air compressor, 400V, 16A, 3-ph |
| 24Y507   | F680e pkg, no air compressor, 400V, 16A, 3-ph  |

| Part No. | Description                                    |
|----------|--|
| 24Y500   | F680e bare, w/ air compressor, 230V, 30A, 1-ph |
| 24Y501   | F680e pkg w/ air compressor, 230V, 30A, 1-ph   |
| 24Y502   | F680e bare, no air compressor, 230V, 18A, 1-ph |
| 24Y503   | F680e pkg, no air compressor, 230V, 18A, 1-ph  |

## ToughTek Mortar Hose

With Ludecke Mortar Couplings — 25 mm male and female mortar coupling shown



| Part No. | Description   |
|----------|---|
| 17G920   | Hose, 25 mm x 3 m (1 in x 10 ft), with 25 mm Ludecke Mortar Couplings       |
| 17G921   | Hose, 25 mm x 7.5 m (1 in x 25 ft), with 25 mm Ludecke Mortar Couplings     |
| 17G922   | Hose, 25 mm x 15 m (1 in x 50 ft), with 25 mm Ludecke Mortar Couplings      |
| 17G923   | Hose, 35 mm x 3 m (1.375 in x 10 ft), with 35 mm Ludecke Mortar Couplings   |
| 17G924   | Hose, 35 mm x 7.5 m (1.375 in x 25 ft), with 35 mm Ludecke Mortar Couplings |

| Part No. | Description  |
|----------|--|
| 17G925   | Hose, 35 mm x 15 m (1.375 in x 50 ft), with 35 mm Ludecke Mortar Couplings |
| 17G926   | Hose, 35 mm x 20 m (1.375 in x 65 ft), with 35 mm Ludecke Mortar Couplings |
| 17G927   | Hose, 50 mm x 7.5 m (2 in x 25 ft), with 50 mm Ludecke Mortar Couplings    |
| 17G928   | Hose, 50 mm x 15 m (2 in x 50 ft), with 50 mm Ludecke Mortar Couplings     |
| 17G929   | Hose, 50 mm x 20 m (2 in x 65 ft), with 50 mm Ludecke Mortar Couplings     |



# Ordering Information

## Legacy Mortar Hose

With Legacy Mortar Couplings — 1 inch male and female mortar coupling shown

| Part No. | Description   | Part No. | Description  |
|----------|---|----------|--|
| 25A214   | Hose, 38 mm x 7.5 m (1.5 in x 25 ft), with 1.5 in Mortar Couplings  | 17G550   | Hose, 25 mm x 7.5 m (1 in x 25 ft), with 1 in Graco Mortar Couplings |
| 25A215   | Hose, 32 mm x 7.5 m (1.25 in x 25 ft), with 1.5 in Mortar Couplings | 17G551   | Hose, 32 mm x 15 m (1.25 in x 50 ft), with 1.5 in Mortar Couplings   |
| 25A216   | Hose, 25 mm x 3 m (1 in x 10 ft), with 1 in Graco Mortar Couplings  | 17G552   | Hose, 38 mm x 15 m (1.5 in x 50 ft), with 1.5 in Mortar Couplings    |



## Hose/Applicator Kits

| Part No. | Description   |
|----------|---|
| 25C456   | High Output Fireproofing Spray kit: Includes Fireproofing Pole applicator, 35 mm x 15 m (1.375 in x 50 ft) hose, 35 mm x 7.5 m (1.375 in x 25 ft) hose, 25 mm x 7.5 m (1 in x 25 ft) hose and required adapters (uses Ludecke Mortar Couplings) |
| 25C457   | Patch and Repair Fireproofing Spray kit: Includes Fireproofing Pole applicator, 35 mm x 7.5 m (1.375 in x 25 ft) hose, 25 mm x 7.5 m (1 in x 25 ft) hose and required adapters (uses Ludecke Mortar Couplings)                                  |
| 25C458   | Browning Applicator Spray kit: Includes Browning applicator, 35 mm x 7.5 m (1.375 in x 25 ft) hose, 25 mm x 7.5 m (1 in x 25 ft) hose and required adapters (uses Ludecke Mortar Couplings)   |

## Applicators

| Part No. | Description  |
|----------|--|
| 24Y619   | Fireproofing Applicator with 25 mm (f) Ludecke Mortar Coupling |
| 25M101   | Browning Applicator with 25 mm (f) Ludecke Mortar Coupling     |

## Mortar Coupling Conversion Kits

| Part No. | Description   |
|----------|---|
| 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                              |

# Ordering Information

## Ludecke Mortar Couplings

25 mm male and female mortar couplings shown

| Part No. | Description  | Part No. | Description  |
|----------|--|----------|--|
| 17N887   | Ludecke Mortar Coupling Reducer, (m-m), 35 mm to 25 mm       | 17N894   | Ludecke Mortar Coupling Reducer, (m-m), 35 mm to 25 mm |
| 17N888   | Ludecke Mortar Coupling Reducer, (m-m), 50 mm to 35 mm       | 17N872   | Ludecke Mortar Coupling Gasket – 25 mm                 |
| 17N889   | Ludecke Mortar Coupling Adapter, (m-m), 35 mm to 35 mm       | 17N873   | Ludecke Mortar Coupling Gasket – 35 mm                 |
| 17N890   | Ludecke Mortar Coupling Reducer, (f-m), 35 mm to 25 mm       | 17N874   | Ludecke Mortar Coupling Gasket – 50 mm                 |
| 17N891   | Ludecke Mortar Coupling, 35 mm (f) mortar to 1.5 in BSPP (f) | 17N882   | Ludecke Mortar Coupling Arm with Pin – 25 mm           |
| 17N892   | Ludecke Mortar Coupling, 50 mm (f) mortar to 2 in BSPP (f)   | 17N883   | Ludecke Mortar Coupling Arm with Pin – 35 mm           |
| 17N893   | Ludecke Mortar Coupling, 25 mm (f) mortar to 1 in BSPP (f)   | 17N884   | Ludecke Mortar Coupling Arm with Pin – 50 mm           |



## Legacy Mortar Couplings

1 inch male and female mortar couplings shown

| Part No. | Description   | Part No. | Description  |
|----------|---|----------|--|
| 15T116   | Graco 1 in Mortar Coupling, 1 in (m) cam x 1 in NPT (f)           | 128475   | 1.5 in Standard Mortar Coupling, 1.5 in (f) cam x 1.5 in NPT (f)   |
| 289874   | Graco 1 in Mortar Coupling, 1 in (f) cam x 1 in NPT (f)           | 128473   | 1.5 in Standard Mortar Coupling, 1.5 in (m) cam x 1.5 in NPT (m)   |
| 127476   | 1.5 in Standard Mortar Coupling, 1.5 in (m) cam x 1.25 in NPT (f) | 128758   | 1.5 in Standard Mortar Coupling, 1.5 in (f) cam x 1.5 in NPT (m)   |
| 128477   | 1.5 in Standard Mortar Coupling, 1.5 in (f) cam x 1.25 in NPT (f) | 17G767   | Mortar Coupling Adapter - 1.5 in Standard (f) x 1 in Graco (m), connects 1 in to 1.25 in or 1.5 in mortar hose |
| 128474   | 1.5 in Standard Mortar Coupling, 1.5 in (m) cam x 1.5 in NPT (f)  |          |  |



## Accessories and Common Repair Parts

| Part No. | Description   | Part No. | Description  |
|----------|---|----------|--|
| 17G554   | Complete Remote Switch kit, compatible with F340e and S340e | 113397   | Sponge Ball for 25 mm (1 in) hose                                      |
| 17H197   | Remote On/Off Toggle Switch with 30 m (100 ft) cable        | 248515   | Sponge Ball for 25 mm (1 in) hose, pack of 5                           |
| 17G665   | Remote Switch Extension Cable - 30 m (100 ft)               | 17N886   | Rotor/Stator Pump Pressure Test kit – 35 mm Ludecke Mortar Coupling    |
| 24Y479   | F680e Forklift Stabilization kit                            | 17H194   | Outlet Check Valve   |
| 25A930   | F340e Air Compressor kit, 120V                              | 17H193   | Pump Inlet Elbow   |
| 25A931   | F340e Air Compressor kit, 240V                              | 17H242   | Pump Rebuild kit for F340e and F680e, (all soft seals and check balls) |
| 17L860   | Sponge Ball for 50 mm (2 in) hose                           | 16W510   | Carbide Inlet Seat with o-ring   |
| 17G930   | Sponge Ball for 50 mm (2 in) hose, pack of 5                | 17H191   | Piston Seat with o-ring  |
| 128745   | Sponge Ball for 35 mm (1.375 in) hose                       |          |  |
| 25A227   | Sponge Ball for 35 mm (1.375 in) hose, pack of 5            |          |  |



## 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.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

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Graco is certified ISO 9001.

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