



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
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)

Part No.	Description
17N894	Ludecke Mortar Coupling Reducer, (m-m), 35 mm to 25 mm
17N872	Ludecke Mortar Coupling Gasket – 25 mm
17N873	Ludecke Mortar Coupling Gasket – 35 mm
17N874	Ludecke Mortar Coupling Gasket – 50 mm
17N882	Ludecke Mortar Coupling Arm with Pin – 25 mm
17N883	Ludecke Mortar Coupling Arm with Pin – 35 mm
17N884	Ludecke Mortar Coupling Arm with Pin – 50 mm

Legacy Mortar Couplings

1 inch male and female mortar couplings shown



Part No.	Description
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)
127476	1.5 in Standard Mortar Coupling, 1.5 in (m) cam x 1.25 in NPT (f)
128477	1.5 in Standard Mortar Coupling, 1.5 in (f) cam x 1.25 in NPT (f)
128474	1.5 in Standard Mortar Coupling, 1.5 in (m) cam x 1.5 in NPT (f)

Part No.	Description
128475	1.5 in Standard Mortar Coupling, 1.5 in (f) cam x 1.5 in NPT (f)
128473	1.5 in Standard Mortar Coupling, 1.5 in (m) cam x 1.5 in NPT (m)
128758	1.5 in Standard Mortar Coupling, 1.5 in (f) cam x 1.5 in NPT (m)
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

Accessories and Common Repair Parts

Part No.	Description
17G554	Complete Remote Switch kit, compatible with F340e and S340e
17H197	Remote On/Off Toggle Switch with 30 m (100 ft) cable
17G665	Remote Switch Extension Cable - 30 m (100 ft)
24Y479	F680e Forklift Stabilization kit
25A930	F340e Air Compressor kit, 120V
25A931	F340e Air Compressor kit, 240V
17L860	Sponge Ball for 50 mm (2 in) hose
17G930	Sponge Ball for 50 mm (2 in) hose, pack of 5
128745	Sponge Ball for 35 mm (1.375 in) hose
25A227	Sponge Ball for 35 mm (1.375 in) hose, pack of 5

Part No.	Description
113397	Sponge Ball for 25 mm (1 in) hose
248515	Sponge Ball for 25 mm (1 in) hose, pack of 5
17N886	Rotor/Stator Pump Pressure Test kit – 35 mm Ludecke Mortar Coupling
17H194	Outlet Check Valve
17H193	Pump Inlet Elbow
17H242	Pump Rebuild kit for F340e and F680e, (all soft seals and check balls)
16W510	Carbide Inlet Seat with o-ring
17H191	Piston Seat with o-ring



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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