

# Fire-Ball® 300, 50:1

## Air-Powered Grease Pumps and Packages

### Features and Benefits

- Priming piston pump in combination with the appropriate feeding technology provides positive pump feeding, even with viscous and/or tacky greases
- Non-corrosive air motor design for long life
- Double-acting pump ensures smooth fluid flow
- Robust grease inlet cage withstands the most abusive handling

### Typical Applications

- Medium pressure, low to medium volume grease dispense
- Automotive dealerships
- Heavy-duty dealerships
- Fast lube and service centers
- Fleet service facilities
- Lube trucks
- Mining
- In-plant

### Typical Fluids Handled

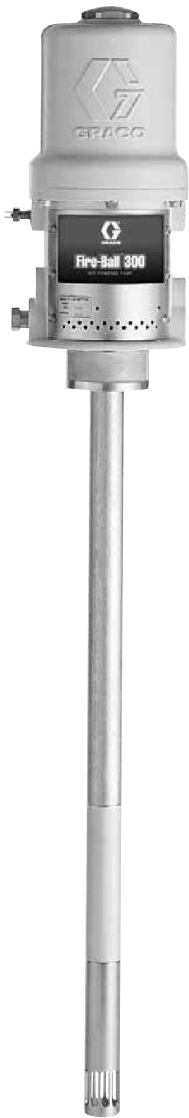
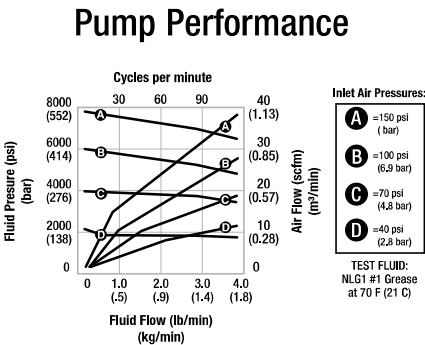
- Grease up to NLGI #2

### Technical Specifications

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Continuous-Duty Flow Rate .....    | 1.19 lb/min. (.54 kg/min.)        |
| Maximum Fluid Pressure .....       | 8400 psi (580 bar)                |
| Air Motor Effective Diameter ..... | 3 in (76.2 cm)                    |
| Operating Range .....              | 30-140 psi (3.0-9.7 bar)          |
| Approximate Air Use .....          | 22.8 cfm @ 100 psi (7 bar)        |
| Wetted Materials .....             | CS, Delrin®, Buna-N, Polyurethane |
| Air Inlet Port Size .....          | 3/8 in npt(f)                     |
| Material Inlet .....               | Slotted                           |
| Material Outlet.....               | 1/4 in npt(f)                     |
| Line Length‡ .....                 | Up to 250 ft (76.2 m)             |
| Dispense Points .....              | 1 to 2                            |
| Annual Usage .....                 | Up to 10,000 lb (4,535 kg)        |

### Ordering Information

| Fire-Ball 300 50:1 Pumps |                                                    |
|--------------------------|----------------------------------------------------|
| 239877                   | 35 lb or 70 lb (16 kg or 32 kg) Grease Pump - 50:1 |
| 239887                   | 120 lb (55 kg) Grease Pump - 50:1                  |
| 239888                   | 400 lb (180 kg) Grease Pump - 50:1                 |



‡ Consult your local authorized Graco representative for line or pipe sizing

# Fire-Ball® Grease Pump Packages

## Air-Powered Grease Pumps and Packages

### Fire-Ball® 300, 50:1 Packages for 400 lb (180 kg) Containers

|                        | Stationary                     | Topper-Inductor                |
|------------------------|--------------------------------|--------------------------------|
| Container Size lb (kg) | 400 (180)                      | 400 (180)                      |
| Package Number         | 225016*                        | 226013*                        |
| Pump Only              | 239888                         | 239888                         |
| Hose and Fitting Kit   | 222072                         | 204467                         |
| Fluid Hose             | 6 ft (1.8 m) x 1/4 in (6.4 mm) | 6 ft (1.8 m) x 1/4 in (6.4 mm) |
| Air Hose               | 6 ft (1.8 m) x 3/8 in (9.5 mm) | 6 ft (1.8 m) x 3/8 in (9.5 mm) |
| Follower Plate         | 24F903                         | —                              |
| Cover                  | 200326                         | —                              |
| Carriage               | —                              | 204461                         |
| Elevator               | —                              | 204385                         |
| Inductor Plate         | —                              | 204353                         |
| Base                   | —                              | 205339                         |
| Instruction Manual     | 307880                         | 306556                         |

\*Use 3/8 in (9.5 mm) air regulator 109075; must be ordered separately



**225016**  
400 lb. Stationary  
Supply Package



**226013**  
400 lb. Stationary  
Supply with  
Topper-Inductor



**223108**  
Stationary Supply  
Package



**226018**  
400 lb. Stationary  
Supply with  
Topper-Inductor

### Fire-Ball® 425, 10:1 Packages

#### 10:1 Pump for Closed Head Drum for 400 lb (180 kg)

|        |                                                                                                                                                                                                                                                                                                                                                                       |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 965129 | Fire-Ball 425, 10:1 pump complete with bung adapter. For open head drum, remove bung adapter and mount to 200326, 400 lb (180 kg) drum cover. Ideal for transferring grease from 400 lb (180 kg) drum or side pocket of tote tank. Can be modified for stubby horizontal mount on tote tanks. For more information contact Lubrication Equipment Technical Assistance |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Fire-Ball 425, 10:1 Pump Only

|        |                                                       |
|--------|-------------------------------------------------------|
| 965124 | Fire-Ball 425, 10:1 pump only, Stubby Universal Mount |
|--------|-------------------------------------------------------|

### Fire-Ball® 425, 50:1; Bulldog® 3:1 Packages for 120-400 lb (56-180 kg) Containers

| Description            | Stationary Supply               | Stationary Supply | Stationary Supply<br>Topper-Inductor | Ram       | Bulldog 3:1 (Sinker) |
|------------------------|---------------------------------|-------------------|--------------------------------------|-----------|----------------------|
| Container Size lb (kg) | 120 (55)                        | 400 (180)         | 400 (180)                            | 400 (180) | 400 (180)            |
| Package Number         | 223108*                         | 225781*           | 226018*                              | 244905    | 244848               |
| Pump Only              | 205394                          | 205395            | 205395                               | 205395    | 205148               |
| Air Hose Kit           | 222076                          | 222076            | 205102                               | 222076    | 208610               |
| Fluid Hose             | 6 ft x 3/8 in (1.8 m x 9.5 mm)  |                   |                                      |           |                      |
| Air Hose               | 6 ft x 1/2 in (1.8 m x 12.7 mm) |                   |                                      |           |                      |
| Cover                  | 204574                          | 200326            | —                                    | —         | —                    |
| Follower Plate         | 223344                          | 223846            | —                                    | —         | —                    |
| Carriage               | —                               | —                 | 204461                               | —         | —                    |
| Elevator               | —                               | —                 | 204385                               | —         | —                    |
| Inductor Plate         | —                               | —                 | 205699                               | —         | 222404               |
| Base                   | —                               | —                 | 205339                               | —         | —                    |
| Ram                    | —                               | —                 | —                                    | 257435    | —                    |
| Air Regulator          | —                               | —                 | —                                    | **        | 207651               |
| Adapter Plate          | —                               | —                 | —                                    | 162225    | —                    |
| Adapter Kit            | —                               | —                 | —                                    | 224266    | —                    |
| Manual                 | 307880                          | 307880            | 306556                               | 309345    | 309345               |

\* Use 1/2 in (12.7 mm) air regulator 104266 and gauge 100960; must be ordered separately For Fire-Ball 425, 50:1 Lube Truck Packages, see the Specialty Pump Section. \*\*Regulator included in Ram air control for 244905.



# Fire-Ball® Grease Pump Packages

## Air-Powered Grease Pumps and Packages

### Fire-Ball® 425, 75:1 Packages for 35-400 lb (16-180 kg) Containers

| Description            | Cover-Mount    | Cover-Mount    | Inductor       | Ram           | Pail Length         | Bung or Cover |
|------------------------|----------------|----------------|----------------|---------------|---------------------|---------------|
| Container Size lb (kg) | 120 (55)       | 400 (180)      | 400 (180)      | 400 (180)     | 35/70 lb (16/32 kg) | 400 (180)     |
| <b>Package Number</b>  | <b>244635*</b> | <b>244636*</b> | <b>244637*</b> | <b>244906</b> | —                   | —             |
| Pump Only              | 239729         | 239730         | 239730         | 239730        | 239731              | 239730        |
| Hose and Fitting Kit   | 222076         | 222076         | 205102         | 222076        |                     | —             |
| Drum Cover             | 204574         | 200326         | —              | —             | 204574              | —             |
| Follower Plate         | 223344         | 223846         | —              | —             | **                  | —             |
| Carriage               | —              | —              | 204461         | —             | —                   | —             |
| Elevator               | —              | —              | 204385         | —             | —                   | —             |
| Base                   | —              | —              | 205339         | —             | —                   | —             |
| Inductor               | —              | —              | 205699         | —             | —                   | —             |
| Ram                    | —              | —              | —              | —             | —                   | —             |
| Air Regulator          | —              | —              | —              | 244844        | —                   | —             |
| Adapter Plate          | —              | —              | —              | 162225        | —                   | —             |
| Adapter Kit            | —              | —              | —              | 224266        | —                   | —             |
| Manual                 | 307880         | 307880         | 306556         | 309345        | —                   | —             |

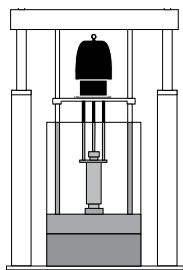
\* Use 1/2 in (12.7 mm) air regulator (104266) and gauge (100960); must be ordered separately \*\* 35 lb: 220653/ 70 lb: 223344 • For Lube Truck Packages, see the Specialty Pumps and Packages Solution Section

### RAM Assemblies

| Description             | Fire-Ball 300, 50:1 | Fire-Ball 425, 75:1 | Fire-Ball 425, 50:1 | Fire-Ball 425, 10:1 | Bull Dog, 3:1 <sup>†</sup> |
|-------------------------|---------------------|---------------------|---------------------|---------------------|----------------------------|
| <b>System Package</b>   | <b>*</b>            | <b>244906</b>       | <b>244905</b>       | <b>*</b>            | <b>244641</b>              |
| Bare Pump               | 239888              | 239730              | 205395              | 965129              | 205148                     |
| Ram                     | 257435              | —                   | 257435              | —                   | —                          |
| Pump Mount Kit          | 247336              | 247337              | 247337              | 247337              | —                          |
| Adapter Kit             | 224267              | 224266              | 224266              | not needed          | —                          |
| Air Regulator and Gauge | 203716              | 244844              | **                  | 207468              | 207651                     |
| Ram Plate Seal Kit      | 247335              | 247335              | 247335              | 247335              | 224829                     |
| Air Hose 3/4 in x 6 ft  | —                   | —                   | —                   | —                   | 208610                     |

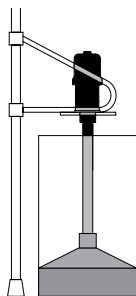
\*Order individual components. \*\*Regulator included in Ram air control for 244905. <sup>†</sup>Drum clamp when required 206537.

### Drum Systems



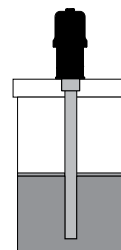
#### Ram-Mount

- Force feed high volume pumps
- Extreme viscous grease
- Reduce waste
- Clean and convenient method of drum change



#### Inductor-Mount

- Reduce waste
- Clean and convenient method of drum change



#### Cover-Mount with Follower Plate

- Economical

# Fire-Ball® Lube Truck Oil and Grease Packages

## Air-Powered Specialty Pumps and Packages

### Oil Package Selection and Ordering Information

|                    | Fire-Ball 300<br>Cover-Mounted Package | Fire-Ball 300<br>Cover-Mounted Package | Fire-Ball 300<br>Bung-Mounted Package | Fire-Ball 425<br>Cover-Mounted Package | Fire-Ball 425<br>Bung-Mounted Package |
|--------------------|----------------------------------------|----------------------------------------|---------------------------------------|----------------------------------------|---------------------------------------|
| Ratio              | 5:1                                    |                                        |                                       | 10:1                                   |                                       |
| Container Size     | 16 gal (60 l) Open-head                | 55 gal (200 l) Closed-head*            |                                       |                                        | 55 gal (200 l) Closed-head*           |
| Package Number     | 222086                                 | 206655                                 | 204264                                | 206656                                 | 222067                                |
| Pump Only          | 203872                                 | 203857                                 | 204254                                | 222065                                 | 222095                                |
| Hose/Fitting Kit   | 222063                                 |                                        |                                       | 222066                                 |                                       |
| Hose Length        | 6 ft (1.8 m)                           | 6 ft (1.8 m)                           | 6 ft (1.8 m)                          | 6 ft (1.8 m)                           | 6 ft (1.8 m)                          |
| Air Regulator      | (1)                                    | (1)                                    | (1)                                   | (2)                                    | (2)                                   |
| Hold-Down Kit      | 222061                                 | 207361                                 |                                       |                                        |                                       |
| Drum Cover         | 222060                                 | 207367                                 | -                                     | 207367 <sup>(3)</sup>                  | -                                     |
| Bung Adapter       | -                                      | -                                      | 204076 (2.140 in Dia.)                | -                                      | 224579 (2.159 in Dia.)                |
| Pump Clamp         | -                                      | -                                      | 204095                                | -                                      | 204095                                |
| Instruction Manual | 307883                                 |                                        |                                       |                                        |                                       |

\* For closed-head drums, pump mounts off-center on drum cover. Pump draws through standard 2 npt bung opening and is equipped with grommet for rain-tight seal to the drum cover.

<sup>(1)</sup> Order 3/8 in (9.5 mm) air regulator and gauge separately, (109075).

<sup>(2)</sup> Order 1/2 in (12.7 mm) air regulator (104266) and gauge (100960) separately.

<sup>(3)</sup> Off set drum cover

### Grease Package Selection and Ordering Information

|                    | Fire-Ball 300<br>Cover-Mounted<br>Package | Fire-Ball 300<br>Cover-Mounted<br>Package | Fire-Ball 425<br>Cover-Mounted<br>Package | Fire-Ball 425<br>Cover-Mounted<br>Package | Fire-Ball 425<br>Cover-Mounted<br>Package | Fire-Ball 425<br>Cover-Mounted<br>Package |
|--------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| Ratio              | 50:1                                      |                                           |                                           |                                           | 75:1                                      |                                           |
| Container Size     | 120 lb (55 kg)<br>Open-head               | 400 lb (180kg)<br>Open-head               | 120 lb (55 kg)<br>Open-head               | 400 lb (180 kg)<br>Open-head              | 120 lb (55 kg)<br>Open-head               | 400 lb (180 kg)<br>Open-head              |
| Package Number     | 222085                                    | 222071                                    | 223107                                    | 222075                                    | 243817                                    | 243818                                    |
| Pump Only          | 239887                                    | 239888                                    | 205394                                    | 205395                                    | 239729                                    | 239730                                    |
| Hose/Fitting Kit   | 222072                                    |                                           | 222076                                    |                                           |                                           |                                           |
| Hose Length        | 6 ft (1.8 m)                              |                                           |                                           |                                           |                                           |                                           |
| Air Regulator      | *                                         |                                           | **                                        |                                           |                                           | *                                         |
| Hold-Down Kit      | 222061                                    | 207361                                    | 222061                                    | 207361                                    | 222061                                    | 207361                                    |
| Drum Cover         | 222060                                    | 207366                                    | 222060                                    | 207366                                    | 222060                                    | 207366                                    |
| Follower Plate     | 220654                                    | 223845                                    | 223344                                    | 223846                                    | 223344                                    | 223846                                    |
| Instruction Manual | 307880                                    |                                           |                                           |                                           |                                           |                                           |

\* Order 3/8 in (9.5 mm) air regulator and gauge separately, (109075).

\*\* Order 1/2 in (12.7 mm) air regulator (104266) and gauge (100960).

