

GREASE PUMPS

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GRACO
Mini
Fire-Ball 225
AIR-POWERED PUMP







PART NO.	246781	SERIES	A17D	Made in U.S.A.
SERIAL	K01465			
MAX AIR WPR				
1.8 MPA	10 bar	140 psi		
MAX FLUID WPR				
38 MPA	550 bar	8400 psi		




 GRACO Inc.
P.O. Box 1461
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ARTWORK NO. 092967 REV. C

Grease Pump Selection Guide

Pump Family and Fluid Pressure Ratio	Typical Applications	Annual Usage	Line Length	Simultaneous Dispense Points	Approx. Free Flow Rate @ 100 psi	Air Inlet	Fluid Outlet	Air Operation Range	Reference Page
LD, 50:1 	<ul style="list-style-type: none"> Automotive dealerships Fast lube centers Lube trucks Lubricant transfer Service shops 	Up to 7,000 lbs (3,175 kg)	Up to 100 (30.5 m)	1	4.5 lbs/min (2 kg/min)	1/4 in NPT(F)	1/4 in NPT(F)	20-150 psi (1.37-10.3 bar)	116-122
Mini Fire-Ball 225, 50:1 	<ul style="list-style-type: none"> Automotive dealerships Fast lube centers Fleet service facilities Heavy-duty dealerships In-plant Lube trucks Lubricant transfer Mining Service shops 	Up to 10,000 lbs (4,535 kg)	Up to 100 (30.5 m)	1	1.5 lbs/min (0.7 kg/min)	3/8 in NPT(F)	1/4 in NPT(F)	40-140 psi (2.8-10 bar)	123-126 141-144
Fire-Ball 300, 15:1 	<ul style="list-style-type: none"> Automotive dealerships Fast lube centers Fleet service facilities Heavy-duty dealerships In-plant Lube trucks Lubricant transfer Mining Service shops 	Up to 10,000 lbs (4,535 kg)	Up to 250 ft (76 m)	1-2	7.5 lbs/min (3.4 kg/min)	3/8 in NPT(F)	1/4 in NPT(F)	40-180 psi (2.8-12.5 bar)	127-129 141-144
Fire-Ball 300, 50:1 	<ul style="list-style-type: none"> Automotive dealerships Fast lube centers Fleet service facilities Heavy-duty dealerships In-plant Lube trucks Lubricant transfer Mining Service shops 	Up to 10,000 lbs (4,535 kg)	Up to 250 ft (76 m)	1-2	7.5 lbs/min (3.4 kg/min)	3/8 in NPT(F)	1/4 in NPT(F)	30-140 psi (2.1-9.7 bar)	127-138 130-134 141-144
Fireball 425, 10:1 	<ul style="list-style-type: none"> Automotive dealerships Fast lube centers Fleet service facilities Heavy-duty dealerships In-plant Lube trucks Lubricant transfer Mining Service shops 	> 20,000 lbs (9,072 kg)	Up to 500 ft (152 m)	4 or more	29 lbs/min (13.1 kg/min)	1/2 in NPT(F)	1 in NPT(F)	40-180 psi (2.8-12.5 bar)	135-136 142-144
Fire-Ball 425, 50:1 	<ul style="list-style-type: none"> Automotive dealerships Fast lube centers Fleet service facilities Heavy-duty dealerships In-plant Lube trucks Lubricant transfer Mining Service shops 	> 20,000 lbs (9,072 kg)	Up to 250 ft (76 m)	4 or more	9 lbs/min (4.1 kg/min)	1/2 in NPT(F)	3/8 in NPT(F)	40-150 psi (2.8-10.3 bar)	135-137 139-145
Fire-Ball 425, 75:1 	<ul style="list-style-type: none"> Automotive dealerships Fast lube centers Fleet service facilities Heavy-duty dealerships In-plant Lube trucks Lubricant transfer Mining Service shops 	> 20,000 lbs (9,072 kg)	Up to 500 ft (152 m)	4 or more	6.5 lbs/min (2.9 kg/min)	1/2 in NPT(F)	3/8 in NPT(F)	40-100 psi (2.8-7 bar)	134-136 138-145
GT 750, 36:1 	<ul style="list-style-type: none"> Fleet service facilities Heavy-duty dealerships In-plant Lube trucks Mining 	> 20,000 lbs (9,072 kg)	Up to 250 ft (76 m)	4 or more	32 lbs/min (14.5 kg/min)	1/2 in NPT(F)	1 in NPT(F)	40-100 psi (2.8-7 bar)	146-147

Grease Pump Selection Guide

Pump Family and Fluid Pressure Ratio	Typical Applications	Annual Usage	Air Inlet	Fluid Outlet	Air Operation Range	Reference Page
 Check-Mate 14:1	<ul style="list-style-type: none"> Fleet service facilities In-plant large runs Large volume lubricant transfer Mining remote fill 	> 20,000 lbs (9,072 kg)	3/4 in NPT(F)	1-1/2 in NPT(M)	0-100 psi (0-7 bar)	148-149 151-152
 Check-Mate 26:1	<ul style="list-style-type: none"> Fleet service facilities In-plant large runs Large volume lubricant transfer Mining remote fill 	> 20,000 lbs (9,072 kg)	3/4 NPT(F)	1-1/2 in NPT(M)	0-100 psi (0-7 bar)	148-149 152
 Check-Mate 29:1	<ul style="list-style-type: none"> Fleet service facilities In-plant large runs Large volume lubricant transfer Mining remote fill 	> 20,000 lbs (9,072 kg)	3/4 NPT(F)	1 in NPT(F)	0-100 psi (0-7 bar)	148-149 152
 Check-Mate 55:1	<ul style="list-style-type: none"> Fleet service facilities In-plant large runs Large volume lubricant transfer Mining remote fill 	> 20,000 lbs (9,072 kg)	3/4 NPT(F)	1 in NPT(F)	0-100 psi (0-7 bar)	148 150-152
 Check-Mate 63:1	<ul style="list-style-type: none"> Fleet service facilities In-plant large runs Large volume lubricant transfer Mining remote fill 	> 20,000 lbs (9,072 kg)	3/4 NPT(F)	3/4 in NPT(M)	0-72 psi (0-4.9 bar)	148 150-152
 Check-Mate 68:1	<ul style="list-style-type: none"> Fleet service facilities In-plant large runs Large volume lubricant transfer Mining remote fill 	> 20,000 lbs (9,072 kg)	3/4 NPT(F)	1 in NPT(F)	0-78 psi (0-5.4 bar)	148 150-152

Pump Family and Fluid Pressure Ratio	Typical Applications	Maximum Grease Output Flow Rate	Maximum Grease Output Pressure	Hydraulic Inlet (Supply)	Hydraulic Outlet (Return)	Grease Outlet	Maximum Hydraulic Inlet Pressure	Reference Page
 Dyna-Star 5:1	<ul style="list-style-type: none"> Fleet service facilities Heavy-duty dealerships In-plant Lube trucks Lubricant transfer Mining Service shops 	4 lb/min (1.8 kg/min)	7,500 psi (517 bar)	3/8 in NPT(F)	3/4 in NPT(F)	1/2 in NPT(F)	1,500 psi (102 bar)	153-154
 Dyna-Star 10:1	<ul style="list-style-type: none"> Fleet service facilities Heavy-duty dealerships In-plant Lube trucks Lubricant transfer Mining Service shops 	1.1 lb/min (0.5 kg/min)	7,500 psi (517 bar)	3/4 in -16 JIC (37° Flare)	3/4 in NPT(F)	1/2 in NPT(F)	600 psi (41 bar)	153-154
 Viscount II 2.4:1	<ul style="list-style-type: none"> Fleet service facilities Heavy-duty dealerships In-plant Lube trucks Lubricant transfer Mining Service shops 	54 lb/min (20.4 kg/min)	2,300 psi (159 bar)	3/4 in NPT(F)	1 in NPT(F)	1-1/2 in NPT(F)	1,500 psi (102 bar)	155-156



**5 Year
Warranty!**

Durable and hardworking

Stay ahead of the competition with LD Series pumps. These affordable and full-featured pumps are designed for lower-volume (up to 7,000 lb/year) applications. LD pumps are fine-tuned for a compact, flexible and durable solution.

Three-Inch Air Motor

Provides more power to create better flow.

Engineered for Durability

Patented cup and plate design eliminates the need for O-rings that wear out faster, for a more durable, longer-lasting solution.

Modular Air Valve

Air inlet and exhaust locations are easy to configure with just four bolts for simple, hassle-free installations.

Pilot Valves

Patented self-cleaning design increases reliability in dirty air environments and minimizes pressure drop with rapid changeovers for reduced stalling and smoother flow.

Typical Applications

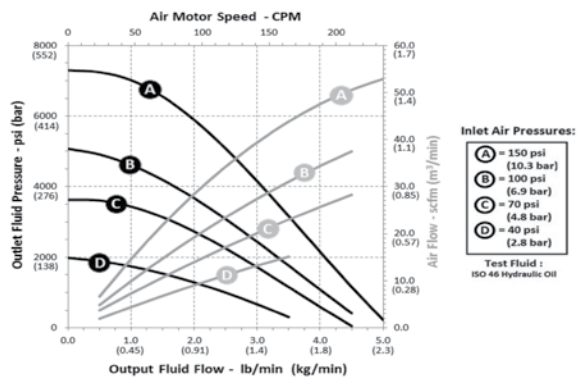
- Automotive dealerships
- Fast lube centers
- Service shops
- Lube trucks

Typical Fluids Handled

- Grease up to NLGI #2

Pump Performance

LD Series 50:1 Pumps





Technical Specifications

Fluid Pressure Ratio	50:1
Air Motor Effective Diameter	3 in (76.2 mm)
Annual Usage	Up to 7,000 lb (3,175 kg)
Maximum Fluid Working Pressure	7,500 psi (517 bar / 51.7 MPa)
Approximate Free Flow Rate @ 100 psi	4.5 lb/min (2 kg/min)
Output per Cycle	0.34 oz (9.7 g)
Approximate Air Use and Flow @ 100 psi (80 cpm)	16 @ 1.7 lb/min (0.45 @ 0.77 kg/min)
Air Inlet	1/4 in NPT(F)
Fluid Outlet	1/4 in NPT(F)
Air Operation Range	20 psi to 150 psi (1.37 bar to 10.3 bar)
Max Recommended Pump Speed	120 cpm
Cycles per Pound (Kg)	47 cpp (103 cpk)
Wetted Parts	Steel, brass, nitrile rubber, polyurethane, UHMWPE, acetal
Sound Pressure Level	72.9 dB(A)
Sound Power Level	82 dB(A)
Approximate Weight	35 lb drum – 11.2 lb (5.1 kg) 120 lb drum – 15.0 lb (6.8 kg) 400 lb drum – 17.0 lb (7.7 kg)
Instruction Manual	3A1334

Ordering Information

LD Series 50:1 Pumps

Part Number	Description
24G600	For 35 lb (16 kg) pail
24G603	For 120 lb (55 kg) drum
24G606	For 400 lb (180 kg) drum

Ordering Information

35 lb Grease Packages



Package Number	24J030	26C169	25C549
Ratio	50:1	50:1	50:1
Type of Package	Stationary	Stationary	Mobile
Container Size	35 lb (16 kg)	35 lb (16 kg)	35 lb (16 kg)
Pump Part Number	24G600	24G600	24G600
Hose Kit	24H862	–	24H862
Hose Sizes	Grease 1/4 in ID x 6 ft (1.8 m) Air/Water 3/8 in ID x 6 ft (1.8 m)	Grease – Whip 1/8 in x 1/8 in x 30 in (0.8 m) Grease 1/4 in x 3/8 in x 20 ft (6.1 m)	Grease 1/4 in ID x 6 ft (1.8 m) Air/Water 3/8 in ID x 6 ft (1.8 m)
Follower Plate	24F901	24F901	24F901
Drum Cover	24F904	24F904	24F904
Grease Valve	129581	129581	129581
Z-Swivel	129591	129591	129591
Fitting(s)	–	157705	–
Air Regulator	–	24H420	–
Air Filter	–	106148	–
Portable Base	–	–	131183
Instruction Manual	3A1335	3A1335	3A1335

Ordering Information

120 lb Grease Packages



Package Number	24J036	26C170	25C548	24J048	24J060	25N618
Ratio	50:1	50:1	50:1	50:1	50:1	50:1
Type of Package	Stationary	Stationary	Mobile	Mobile	Mobile	Mobile
Container Size	120 lb (54 kg)	120 lb (54 kg)	120 lb (54 kg)	120 lb (54 kg)	120 lb (54 kg)	120 lb (54 kg)
Pump Part Number	24G603	24G603	24G603	24G603	24G603	24G603
Hose Kit	24H862	–	24H862	24H862	24J501	–
Hose Sizes	Grease 1/4 in ID x 6 ft (1.8 m) Air/Water 3/8 in ID x 6 ft (1.8 m)	Grease – Whip 1/8 in x 1/8 in x 30 in (0.8 m) Grease 1/4 in x 3/8 in x 20 ft (6.1 m)	Grease 1/4 in ID x 6 ft (1.8 m) Air/Water 3/8 in ID x 6 ft (1.8 m)	Grease 1/4 in ID x 6 ft (1.8 m) Air/Water 3/8 in ID x 6 ft (1.8 m)	Grease 1/4 in ID x 6 ft (1.8 m) Air/Water 3/8 in ID x 6 ft (1.8 m)	Grease 1/4 in ID x 12 ft (3.7 m)
Follower Plate	24F902	24F902	24F902	24F902	24F902	24F902
Drum Cover	24F905	24F905	24F905	24F905	24F905	24F905
Grease Valve	129581	129581	129581	129581	129581	129581
Z-Swivel	129591	129591	129591	129591	129591	129591
Fitting(s)	–	157705	–	–	–	165198 / 169970
Air Regulator	–	24H420	–	–	–	24H420
Air Filter	–	106148	–	–	–	–
Portable Base	–	–	131184	24H422	24H422	131184
Hose Reel	–	–	–	–	LD	–
Hose Size	–	–	–	–	1/4 in x 35 ft	–
Hose Reel Part Number	–	–	–	–	24H663	–
Instruction Manual	3A1335	3A1335	3A1335	3A1335	3A1335	3A1335

Ordering Information

400 lb Grease Packages



Package Number	24J042	26C171	24J054	24J066
Ratio	50:1	50:1	50:1	50:1
Type of Package	Stationary	Stationary	Mobile	Mobile
Container Size	400 lb (180 kg)	400 lb (180 kg)	400 lb (180 kg)	400 lb (180 kg)
Pump Part Number	24G606	24G606	24G606	24G606
Hose Kit	24H862	-	24H862	24J501
Hose Sizes	Grease 1/4 in ID x 6 ft (1.8 m) Air/Water 3/8 in ID x 6 ft (1.8 m)	Grease – Whip 1/8 in x 1/8 in x 30 in (0.8 m) Grease 1/4 in x 3/8 in x 20 ft (6.1 m)	Grease 1/4 in ID x 6 ft (1.8 m) Air/Water 3/8 in ID x 6 ft (1.8 m)	Grease 1/4 in ID x 6 ft (1.8 m) Air/Water 3/8 in ID x 6 ft (1.8 m)
Follower Plate	24F903	24F902	24F903	24F903
Drum Cover	24F906	24F905	24F906	24F906
Grease Valve	129581	129581	129581	129581
Z-Swivel	129591	129591	129591	129591
Fitting(s)	-	157705	-	-
Air Regulator	-	24H420	-	-
Air Filter	-	106148	-	-
Type of Reel	-	-	-	LDX
Reel Size	-	-	-	3/8 in x 50 ft
Reel Part Number	-	-	-	HEH006
Portable Base	-	-	24F915	24F915
Instruction Manual	3A1335	3A1335	3A1335	3A1335

LD Pro-Shot™ Non-Metered Grease Valves



- Rugged design for harsh environments
- Pressure-assisted trigger for ease of operation
- Easy adjustment with top locking nut
- 6 in steel extension with heavy-duty coupler

Technical Specifications

Pressure	7,500 psi (517 bar / 51.7 MPa)
Wetted Parts	Steel, nitrile rubber, PTFE
Inlet Size	1/4 in

Ordering Information

Part Number	Description
129581	LD Pro Shot Grease Valve, 1/4 in NPT

LD Z-Swivel



- Swivels to prevent twist damage to hoses
- Constructed of heavy-duty steel and ball bearings for smooth and unrestricted movement

Technical Specifications


Pressure	6,000 psi (413 bar / 41.3 MPa)
Inlet Size	1/4 in

Ordering Information



Part Number	Description
129591	Z-swivel, 1/4 in NPT

Ordering Information


Adjustable Bung Adapter

	Part Number	Description
	24P623	Adjustable bung adapter for LD pumps


Air Regulators

	Part Number	Description
	24H420	Mini air pressure regulator with gauge, 1/4 in NPT x 3/8 in NPT, self-relieving
	133215	Mini air filter-regulator with gauge, 1/4 in NPT, self-relieving, semi-auto drain


Carts

	Part Number	Description
	24H422	Drum cart with pneumatic wheels for 120 lb drums; includes chain for securing drum to cart
	24F915	Drum cart with pneumatic wheels for 400 lb drums; includes chain for securing drum to cart


Drum Covers

	Part Number	Description
	24F904	Cover for 35 lb (16 kg) pails
	24F905	Cover for open-head 120 lb (54 kg) drums
	24F906	Cover for open-head 400 lb (182 kg) drums



LD Drum Dollies

	Part Number	Description
	131183	Drum Dolly, 35 lb (16 kg)
	131184	Drum Dolly, 120 lb (54 kg)
	129645	Drum Dolly, 400 lb (182 kg)

Follower Plates

	Part Number	Description
	24F901	Follower plate for 35 lb (16 kg) pails
	24F902	Follower plate for 120 lb (54 kg) drums
	24F903	Follower plate for 400 lb (182 kg) drums

Hose and Fitting Kits

	Part Number	Description	Includes				
			Grease Hose	Grease Hose Size	Air Hose	Air Hose Size	Fitting
	24H862	6 ft LD grease pump hose kit	24H606	1/4 in NPT(M) x 1/4 in NPT(M) x 6 ft	24H858	3/8 in x 6 ft	156823
	24J501	6 ft LD grease pump hose kit	24J487	1/4 in NPT(M) x 1/4 in NPT(M) (with 90° swivel) x 6 ft	24H858	3/8 in x 6 ft	156823

**7 Year
Warranty!**

Perfect for Medium Pressure, Low Volume Applications

You can't afford downtime, especially when your shop is small. The Mini Fire-Ball 225 is designed with fewer moving parts, which means less wear and tear and reduced downtime, allowing you to run a more profitable business.



Durable Casting

Thick cast aluminum air motor housing offers unmatched durability.

Fewer Repairs

Fewer moving parts in the air motor assembly means less downtime and low repair cost.

Extended Seal Life

In-line pump design aligns the air motor piston and fluid piston rods to maximize seal life.

Superior Sealing

Non-metallic poppet valves offer positive sealing performance, even with contaminated "dirty" air environments for long-life without repair.

Corrosion-Resistant

Corrosion-resistant design utilizes liquid salt nitriding, nickel plating, stainless steel, aluminum and chrome on key components for longer life.

Typical Applications

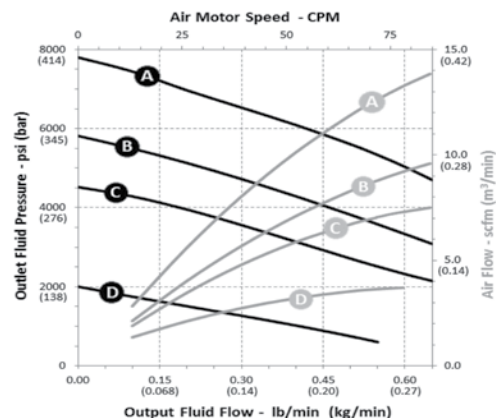
- Automotive dealerships
- Fast lube centers
- Service shops
- Heavy-duty dealerships
- Fleet services facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Grease up to NLGI #2

Pump Performance

Mini Fire-Ball 225 Pumps



Inlet Air Pressures:
A = 140 psi (9.7 bar)
B = 100 psi (6.9 bar)
C = 80 psi (5.5 bar)
D = 40 psi (2.8 bar)

Test Fluid :
NLGI #2 Grease



Technical Specifications

Fluid Pressure Ratio	50:1
Air Motor Effective Diameter	2.25 in (57.2 mm)
Annual Usage	Up to 10,000 lb (4,535 kg)
Maximum Fluid Working Pressure	8,400 psi (578 bar / 57.8 MPa)
Approximate Free Flow Rate @ 100 psi	1.5 lb/min (0.7 kg/min)
Output per Cycle	0.12 oz (3.5 g)
Continuous Duty Flow Rate	0.32 lb/min (0.15 kg/min)
Approximate Air Use and Flow @ 100 psi (80 cpm)	9.3 @ 0.62 lb/min (0.26 @ 0.28 kg/min)
Air Inlet	3/8 in NPT(F)
Fluid Outlet	1/4 in NPT(F)
Air Operation Range	40 psi to 140 psi (3 bar to 10 bar)
Max Recommended Pump Speed	100 cpm
Cycles per Pound (Kg)	130 cpp (287 cpk)
Wetted Parts	Carbon steel, zinc plating, brass, polyurethane, ultra-high molecular weight polyethylene, Buna-N
Sound Pressure Level	77.8 dB(A)
Sound Power Level	85.6 dB(A)
Approximate Weight	15 lb (6.8 kg)
Instruction Manual	309966

Ordering Information

Mini Fire-Ball 50:1 Pumps

Part Number	Description
246909	For 35 lb (16 kg) pail
253361	For 35 lb (16 kg) pail, without handle
246780	For 120 lb (55 kg) drum
246781	For 400 lb (180 kg) drum

Ordering Information

35 lb and 50 lb Grease Packages



Package Number	246910*	246911*	246913*
Ratio	50:1	50:1	50:1
Type of Package	Portable pail dispenser	Stationary pail dispenser	Cart-mounted pail dispenser
Container Size	35 lb to 50 lb (16 kg to 23 kg)	35 lb to 50 lb (16 kg to 23 kg)	35 lb to 50 lb (16 kg to 23 kg)
Container	—	204134	204134
Pump Part Number	246909	246909	246909
Fluid Hose Size	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 12 ft
Dispense Hose Kit	236058	236058	236058
Dispense Kit Includes	12 ft Hose	109151	109151
	Air Coupler	114558	114558
	Air Fitting	169971	169971
	Z-Swivel	202577	202577
	Pro-Shot Valve	242056	242056
Follower Plate	24F901	**	**
Drum Cover	222059	24R350	24R350
Portable Base	—	—	203650
Instruction Manual	309967	309967	309967

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

**Order follower plate (220653) separately for 35 lb (16 kg) pails or (220654) for 70 lb (32 kg) bulk.



246911

Ordering Information

120 lb and 400 lb Grease Packages



Package Number	246914*	246915*	246916*	246917*
Ratio	50:1	50:1	50:1	50:1
Type of Package	Stationary supply package	Portable package with caster base	Portable package with 2-wheel cart	Stationary supply package
Container Size	120 lb (55 kg)	120 lb (55 kg)	120 lb (55 kg)	400 lb (180 kg)
Pump Part Number	246780	246780	246780	246781
Fluid Hose Size	1/4 in x 6 ft	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 6 ft
Dispense Hose Kit	222072	236058	236058	222072
Dispense Kit Includes	12 ft Hose	–	109151	–
	6 ft Hose	109150	–	–
	6 ft Coupled Hose	203320	–	–
	Air Coupler	–	114558	114558
	Air Fitting	–	169971	169971
	Z-Swivel	–	202577	202577
	90° Fitting(s)	155494 / 155541	–	–
	Pro-Shot Valve	–	242056	242056
Follower Plate	24F902	24F902	24F902	24F903
Drum Cover	24R350	24R350	24R350	200326
Portable Base	–	203622	203650	–
Instruction Manual	309967	309967	309967	309967

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



**7 Year
Warranty!**

Ideal for Shops with Grease Transfer

Install the Fire-Ball 300 in grease dispense applications. A differential air motor ensures smooth the double-acting pump design provides reliable grease flow and accurate dispense.



Durable

Thick cast aluminum air motor housing offers unmatched durability.

Fewer Repairs

Fewer moving parts in the air motor assembly means less downtime and low repair cost.

Extended Seal Life

In-line pump design aligns the air motor piston and fluid piston rods to maximize seal life.

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Non-metallic poppet valves offer positive sealing performance, even with contaminated “dirty” air environments for long life without repair.

Corrosion-Resistant

Corrosion-resistant design utilizes liquid salt nitriding, nickel plating, stainless steel, aluminum and chrome on key components for longer life.

Typical Applications

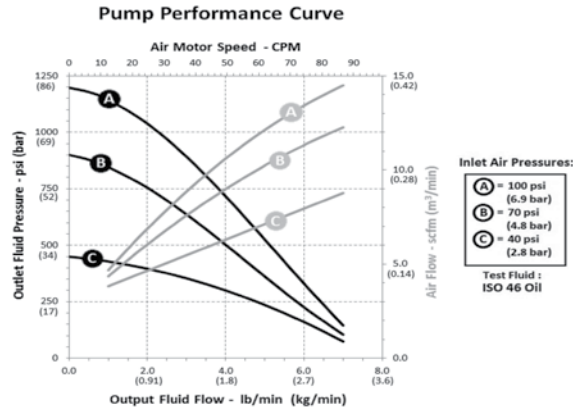
- Automotive dealerships
- Fast lube centers
- Service shops
- Heavy-duty dealerships
- Fleet services facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

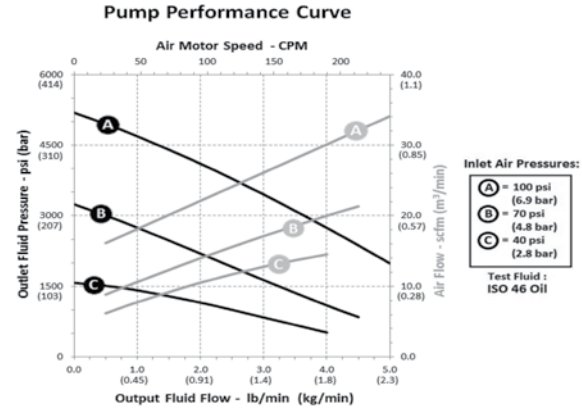
- Grease up to NLGI #2

Pump Performance

Fire-Ball 300 15:1 Pumps



Fire-Ball 300 50:1 Pumps



Technical Specifications

	Fire-Ball 300 15:1	Fire-Ball 300 50:1
Fluid Pressure Ratio	15:1	50:1
Air Motor Effective Diameter	3 in (76.2 mm)	3 in (76.2 mm)
Annual Usage	Up to 10,000 lb (4,535 kg)	Up to 10,000 lb (4,535 kg)
Maximum Fluid Working Pressure	2,700 psi (186 bar / 18.6 MPa)	8,400 psi (579 bar / 57.9 MPa)
Approximate Free Flow Rate @ 100 psi	7.5 lb/min (3.4 kg/min)	7.5 lb/min (3.4 kg/min)
Output per Cycle	1.29 oz (36.6 g)	0.34 oz (9.5 g)
Continuous Duty Flow Rate	0.7 lb/min (0.32 kg/min)	1.19 lb/min (0.54 kg/min)
Approximate Air Use and Flow @ 100 psi (80 cpm)	14 @ 6.5 lb/min (0.40 @ 2.9 kg/min)	21 @ 1.7 lb/min (0.59 @ 0.77 kg/min)
Air Inlet	3/8 in NPT(F)	3/8 in NPT(F)
Fluid Outlet	1/4 in NPT(F)	1/4 in NPT(F)
Air Operation Range	40 psi to 180 psi (2.8 bar to 12.5 bar)	30 psi to 140 psi (3.0 bar to 9.7 bar)
Max Recommended Pump Speed	66 cpm	76 cpm
Cycles per Pound (Kg)	12.4 cpp (27 cpk)	47.4 cpp (105 cpk)
Wetted Parts	Carbon steel, brass, copper, aluminum, PTFE, nitrile rubber, leather	Steel, brass, aluminum, acetal, nitrile rubber, polyurethane
Sound Pressure Level	77.8 dB(A)	77.8 dB(A)
Sound Power Level	85.6 dB(A)	85.6 dB(A)
Approximate Weight	22 lb (10 kg)	22 lb (10 kg)
Instruction Manual	306531	308883

Ordering Information

Fire-Ball 300 Grease Pumps

Part Number	Ratio	Description
206405	15:1	For 35 lb (16 kg) pail
206699	15:1	For 120 lb (55 kg) drum
206700	15:1	For 400 lb (180 kg) drum
239877	50:1	For 35 lb or 70 lb (16 kg or 32 kg) pail
239887	50:1	For 120 lb (55 kg) drum
239888	50:1	For 400 lb (180 kg) drum

Ordering Information

15:1 Grease Pump Packages



Package Number	222078	220170	220171	
Type of Package	Stationary Pail Dispenser	Stationary Drum Dispenser	Cover-Mounted Drum Dispenser	
Ratio	15:1	15:1	15:1	
Container Size	35 lb (16 kg)	120 lb (55 kg)	400 lb (180 kg)	
Pump Part Number	206405	206699	206700	
Dispense Kit	222080	222081	222081	
Dispense Kit Includes	Fluid Hose	1/4 in x 15 ft	1/4 in x 25 ft	1/4 in x 25 ft
	Hose Part Number	109165	109167	109167
	Air Coupler	110198	110198	110198
	Air Fitting	–	169971	169971
	Closed Nipple	156849	156849	156849
	Z-Swivel	202577	202577	202577
	Fitting(s)	169971	–	–
	Dispenser	Pro-Shot	Pro-Shot	Pro-Shot
	Dispenser Part Number	242056	242056	242056
	Air Regulator	110234	110234	110234
	Air Pressure Gauge	100960	100960	100960
Drum Cover	222058	204574	200326	
Instruction Manual	307882	307882	307882	

Ordering Information

50:1 25 to 50 lb Grease Pump Packages



Package Number	222069*	245694*	225827*	225773*	245695*	226012*
Type of Package	Portable pail dispenser	Portable pail dispenser	Stationary pail dispenser	Cart-mounted pail dispenser	Cart-mounted pail dispenser	Cart-mounted pail topper
Ratio	50:1	50:1	50:1	50:1	50:1	50:1
Container Size	25 lb to 50 lb (11 kb to 23 kg)	25 lb to 50 lb (11 kb to 23 kg)	35 lb to 50 lb (16 kg to 23 kg)	35 lb to 50 lb (16 kg to 23 kg)	35 lb to 50 lb (16 kg to 23 kg)	50 lb (23 kg)
Pump Part Number	239877	239877	239877	239877	239877	239877
Dispense Kit	222070	245697	222070	222070	245697	222070
Dispense Kit Includes	Fluid Hose	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 12 ft
	Hose Part Number	109151	109151	109151	109151	109151
	Air Coupler	114558	114558	114558	114558	114558
	Air Fitting	169971	169971	169971	169971	169971
	Z-Swivel	202577	202577	202577	202577	202577
	Dispenser	Pro-Shot	Accu-Shot	Pro-Shot	Pro-Shot	Accu-Shot
Dispenser Part Number	242056	233807	242056	242056	233807	242056
Follower Plate	24F901	220653	**	**	**	-
Drum Cover	222059	222059	24R350	24R350	204574	-
Holster	-	-	203976	203976	203976	203976
Container	-	-	204134	204134	204134	-
Portable Base	-	-	-	203650	203650	203650
Elevator	-	-	-	-	-	203664
Inductor Plate	-	-	-	-	-	204351
Instruction Manual	307878	307878	307878	307878	307878	307878

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

**Order follower plate 220654 separately, if needed.

Ordering Information

50:1 120 lb Grease Pump Packages



Package Number	225006*	225026*	26C185*	26C186*	245696*	222245*	
Type of Package	Portable with caster base	Portable with 2-wheel cart	Portable with caster base	Portable with 2-wheel cart	Portable with 2-wheel cart	Portable with heavy duty cart	
Ratio	50:1	50:1	50:1	50:1	50:1	50:1	
Container Size	120 lb (55 kg)	120 lb (55 kg)	120 lb (55 kg)	120 lb (55 kg)	120 lb (55 kg)	120 lb (55 kg)	
Pump Part Number	239887	239887	239887	239887	239887	239887	
Dispense Kits	222070	222070	26C183	26C183	245697	222383	
Dispense Kit Includes	Fluid Hose	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 12 ft	1/4 in x 25 ft
	Hose Part Number	109151	109151	109151	109151	109151	109154
	6 ft Coupled Hose	-	-	-	-	-	-
	Air Coupler	114558	114558	114558	114558	114558	114558
	Air Fitting	169971	169971	169971	169971	169971	169971
	Z-swivel	202577	202577	202577	202577	202577	202577
	Fitting(s)	-	-	-	-	-	-
	Dispenser	Pro-Shot	Pro-Shot	Pro-Shot	Pro-Shot	Accu-Shot	Pro-Shot
Dispenser Part Number	242056	242056	26C184	26C184	233807	242056	
Fluid Hose Size	See kit above	See kit above	See kit above	See kit above	See kit above	See kit above	
Air Hose Size	-	-	-	-	-	-	
Meter	See kit above	See kit above	See kit above	See kit above	See kit above	See kit above	
Meter Part Number	See kit above	See kit above	See kit above	See kit above	See kit above	See kit above	
Follower Plate	24F902	24F902	24F902	24F902	220654	24F902	
Drum Cover	24R350	24R350	24R350	24R350	204574	222060	
Holster	203976	203976	203976	203976	203976	-	
Portable Base	203622	203650	203622	203650	203650	222243	
Elevator	-	-	-	-	-	-	
Pump Support	-	-	-	-	-	-	
Hold Down Kit	-	-	-	-	-	222061	
Instruction Manual	307878	307878	307878	307878	307878	307878	

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

Grease Pumps and Packages

Ordering Information

50:1 120 lb Grease Pump Packages (Cont.)



Package Number	225014*	222073*	
Type of Package	Stationary supply	Stationary supply topper-inductor	
Ratio	50:1	50:1	
Container Size	120 lb (55 kg)	120 lb (55 kg)	
Pump Part Number	239887	239887	
Dispense Kits	222072	–	
Dispense Kit Includes	Fluid Hose	1/4 in x 6 ft	–
	Hose Part Number	109150	–
	6 ft Coupled Hose	203320	–
	Air Coupler	–	–
	Air Fitting	–	–
	Z-swivel	–	–
	Fitting(s)	155494/155541	–
	Dispenser	–	–
	Dispenser Part Number	–	–
Fluid Hose Size	See kit above	–	
Air Hose Size	See kit above	–	
Follower Plate	24F902	–	
Drum Cover	24R350	–	
Holster	–	–	
Portable Base	–	–	
Elevator	–	204121	
Pump Support	–	222074	
Hold Down Kit	–	–	
Instruction Manual	307880	306523	

50:1 400 lb Grease Pump Packages



Package Number	225016*	226013*	
Type of Package	Stationary supply	Stationary supply topper-inductor	
Ratio	50:1	50:1	
Container Size	400 lb (180 kg)	400 lb (180 kg)	
Pump Part Number	239888	239888	
Hose and Fitting Kits	222072	204467	
Dispense Kit Includes	Fluid Hose	1/4 in x 6 ft	1/4 in x 6 ft
	Hose Part Number	109150	109150
	6 ft Coupled Hose	203320	–
	Fitting(s)	155494/155541	100206/156971/205528
Air Hose Size	3/8 in x 6 ft	3/8 in x 6 ft	
Follower Plate	24F903	–	
Drum Cover	200326	–	
Elevator	–	204385	
Pump Support	–	204461	
Inductor Plate	–	204353	
Base	–	205339	
Instruction Manual	307880	306556	

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

Ordering Information

50:1 Grease Pump Lube Truck Packages



Package Number	222085*	222071*
Type of Package	Lube truck	Lube truck
Ratio	50:1	50:1
Container Size	120 lb (55 kg)	400 lb (180 kg)
Pump Part Number	239887	239888
Dispense Kits	222072	222072
Dispense Kit Includes	Fluid Hose	1/4 in x 6 ft
	Hose Part Number	109150
	6 ft Coupled Hose	203320
	Fitting(s)	155494/155541
Air Hose Size	3/8 in x 6 ft	3/8 in x 6 ft
Follower Plate	220654	223845
Drum Cover	222060	207366
Hold Down Kit	222061	207361
Instruction Manual	307880	307880

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

Ordering Information

50:1 Grease Pump Side Pocket and Horizontal Mount Packages



Package Number	244644	244645
Type of Package	Side Pocket Mount	Horizontal Mount
Ratio	50:1	50:1
Pump Part Number	239888	239877
Dispense Kits	222072	222072
Dispense Kit Includes	Fluid Hose	1/4 in x 6 ft
	Hose Part Number	109150
	6 ft Coupled Hose	203320
	Fitting(s)	155494/155541
Air Hose Size	3/8 in x 6 ft	3/8 in x 6 ft
Pump Mount Bracket	3 in (f) Coupler – 512874	3 in (f) Coupler – 512874
Air Regulator	109075	109075
Air Shut-Off Valve	110224	110224
Installation Kit	948393	948393
Instruction Manual	309350	309350



**10 Year
Warranty!**

The Pump of Choice for Your Most Demanding Applications!

The Fire-Ball 425 features a large air motor to supply the power you need for long pipe runs and higher-volume dispensing. An ideal choice for applications where multiple dispenses happen at the same time.



Durable Casting

Thick cast aluminum air motor housing offers unmatched durability.

Fewer Repairs

Fewer moving parts in the air motor assembly means less downtime and low repair cost.

Extended Seal Life

In-line pump design aligns the air motor piston and fluid piston rods to maximize seal life.

Superior Sealing

Non-metallic poppet valves offer positive sealing performance, even with contaminated “dirty” air environments for long life without repair.

Corrosion-Resistant

Corrosion-resistant design utilizes liquid salt nitriding, nickel plating, stainless steel, aluminum and chrome on key components for longer life.

Typical Applications

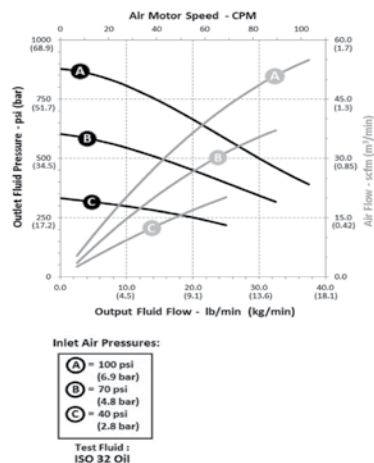
- Automotive dealerships
- Fast lube centers
- Service shops
- Heavy-duty dealerships
- Fleet services facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

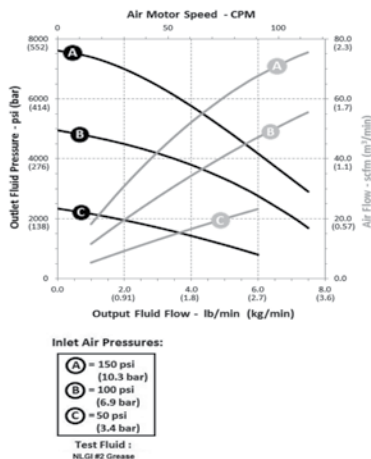
- Grease up to NLGI #2

Pump Performance

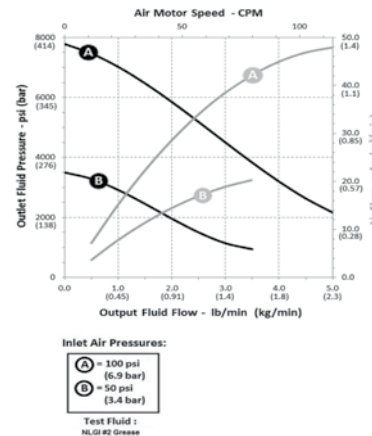
Fire-Ball 425 10:1 Pumps



Fire-Ball 425 50:1 Pumps



Fire-Ball 425 75:1 Pumps



Technical Specifications

	Fire-Ball 425 10:1	Fire-Ball 425 50:1	Fire-Ball 425 75:1
Fluid Pressure Ratio	10:1	50:1	75:1
Air Motor Effective Diameter	4.25 in (108 mm)	4.25 in (108 mm)	4.25 in (108 mm)
Annual Usage	20,000+ lb (9,072+ kg)	20,000+ lb (9,072+ kg)	20,000+ lb (9,072+ kg)
Maximum Fluid Working Pressure	1,800 psi (124 bar / 12.4 MPa)	7,500 psi (517 bar / 51.7 MPa)	7,500 psi (517 bar / 51.7 MPa)
Approximate Free Flow Rate @ 100 psi	29 lb/min (13.1 kg/min)	9 lb/min (4.1 kg/min)	6.5 lb/min (2.9 kg/min)
Output per Cycle	5.82 oz (164.7 g)	1.06 oz (30 g)	0.71 oz (20 g)
Continuous Duty Flow Rate	3.5 lb/min (1.59 kg/min)	3.35 lb/min (1.52 kg/min)	1.95 lb/min (0.88 kg/min)
Approximate Air Use and Flow @ 100 psi (80 cpm)	45 @ 29 lb/min (1.3 @ 13 kg/min)	43 @ 5.3 lb/min (1.2 @ 2.4 kg/min)	43 @ 3.5 lb/min (1.2 @ 1.6 kg/min)
Air Inlet	1/2 in NPT(F)	1/2 in NPT(F)	1/2 in NPT(F)
Fluid Outlet	1 in NPT(F)	3/8 in NPT(F)	3/8 in NPT(F)
Air Operation Range	40 psi to 180 psi (2.8 bar to 12.5 bar)	40 psi to 150 psi (2.8 bar to 10.4 bar)	40 psi to 100 psi (2.8 bar to 7 bar)
Max Recommended Pump Speed	60 cpm	60 cpm	60 cpm
Cycles per Pound	2.75 cpp	15.1 cpp	22.7 cpp
Cycles per Kg	6 cpk	33 cpk	50 cpk
Wetted Parts	Steel, brass, aluminum, leather, Buna-N	CS, brass, aluminum, leather	CS, brass, aluminum, leather
Sound Pressure Level	80.9 dB(A)	80.9 dB(A)	80.9 dB(A)
Sound Power Level	94.6 dB(A)	94.6 dB(A)	94.6 dB(A)
Approximate Weight	38 lb (17.2 kg)	34 lb to 37 lb (15 kg to 17 kg)	30 lb to 37 lb (14 kg to 17 kg)
Instruction Manual	309407	306674	308777

Ordering Information

Fire-Ball 425 Grease Pumps

Part Number	Ratio	Description
965124	10:1	Stubby pump
965129*	10:1	For 400 lb (180 kg) drum
205394	50:1	For 120 lb (55 kg) drum
205395	50:1	For 400 lb (180 kg) drum

Part Number	Ratio	Description
239731	75:1	For 35 or 70 lb (16 or 32 kg) pail
239729	75:1	For 120 lb (55 kg) drum
239730	75:1	For 400 lb (180 kg) drum

*Includes 2 in NPT Bung Adapter (part number 222308).



Ordering Information

50:1 120 lb and 400 lb Grease Pump Packages



Package Number	223108*	225781*	226018*
Type of Package	Stationary Supply	Stationary Supply	Stationary Supply Topper-Inductor
Ratio	50:1	50:1	50:1
Container Size	120 lb (55 kg)	400 lb (180 kg)	400 lb (180 kg)
Pump Part Number	205394	205395	205395
Dispense Kits	222076	222076	205102
Dispense Kit Includes	Fluid Hose	3/8 in x 6 ft	3/8 in x 6 ft
	Hose Part Number	109163	109163
	6 ft Coupled Hose	205418	–
	Fitting(s)	155470/155494	155470/155494
Air Hose Size	1/2 in x 6 ft	1/2 in x 6 ft	1/2 in x 6 ft
Drum Cover	204574	200326	–
Follower Plate	223344	223846	–
Pump Support	–	–	204461
Elevator	–	–	204385
Inductor Plate	–	–	205699
Base	–	–	205339
Instruction Manual	307880	307880	306556

*Use 1/2 in (12.7 mm) air regulator (104266) and gauge (100960); must be ordered separately.

Ordering Information

75:1 120 lb and 400 lb Grease Pump Packages



Package Number	244635*	244636*	244637*
Type of Package	Stationary Cover-Mount	Stationary Cover-Mount	Stationary Inductor
Ratio	75:1	75:1	75:1
Container Size	120 lb (55 kg)	400 lb (180 kg)	400 lb (180 kg)
Pump Part Number	239729	239730	239730
Dispense Kits	222076	222076	205102
Dispense Kit Includes	Fluid Hose	3/8 in x 6 ft	3/8 in x 6 ft
	Hose Part Number	109163	109163
	6 ft Coupled Hose	205418	205418
	Fitting(s)	155470/155494	155470/155494
Air Hose Size	1/2 in x 6 ft	1/2 in x 6 ft	1/2 in x 6 ft
Drum Cover	204574	200326	–
Follower Plate	223344	223846	–
Pump Support	–	–	204461
Elevator	–	–	204385
Inductor Plate	–	–	205699
Base	–	–	205339
Instruction Manual	307880	307880	306556

*Use 1/2 in (12.7 mm) air regulator (104266) and gauge (100960); must be ordered separately.

Ordering Information

50:1 and 75:1 Grease Pump Lube Truck Packages



Package Number	223107*	222075*	243817*	243818**
Type of Package	Lube Truck	Lube Truck	Lube Truck	Lube Truck
Ratio	50:1	50:1	75:1	75:1
Container Size	120 lb (55 kg)	400 lb (180 kg)	120 lb (55 kg)	400 lb (180 kg)
Pump Part Number	205394	205395	239729	239730
Dispense Kits	222076	222076	222076	222076
Dispense Kit Includes	Fluid Hose	3/8 in x 6 ft	3/8 in x 6 ft	3/8 in x 6 ft
	Hose Part Number	109163	109163	109163
	6 ft Coupled Hose	205418	205418	205418
	Fitting(s)	155470/155494	155470/155494	155470/155494
Air Hose Size	1/2 in x 6 ft	1/2 in x 6 ft	1/2 in x 6 ft	1/2 in x 6 ft
Drum Cover	222060	207366	222060	207366
Follower Plate	223344	223846	223344	223846
Hold Down Kit	222061	207361	222061	207361
Instruction Manual	307880	307880	307880	307880

*Use 1/2 in (12.7 mm) air regulator (104266) and gauge (100960); must be ordered separately.

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

Ordering Information

Grease Pump RAM Packages



Part 257435 (Ram Assembly) not shown

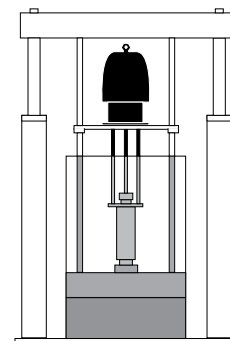
Part 257435 (Ram Assembly) not shown

Package Number	244905	244906	
Type of Package	Stationary Ram	Stationary Ram	
Ratio	50:1	75:1	
Container Size	400 lb (180 kg)	400 lb (180 kg)	
Pump Part Number	Fire-Ball 425 – 205395	Fire-Ball 425 – 239730	
Dispense Kits	222076	222076	
Dispense Kit Includes	Fluid Hose	3/8 in x 6 ft	3/8 in x 6 ft
	Hose Part Number	109163	109163
	6 ft Coupled Hose	205418	205418
	Fitting(s)	155470/155494	155470/155494
Air Hose Size	1/2 in x 6 ft	1/2 in x 6 ft	
Ram	257435	257435	
Adapter Kit	224266	224266	
Air Regulator and Gauge	*	244844	
Ram Plate Seal Kit	247335	247335	
Pump Mount Kit	247337	247337	
Instruction Manual	309345	309345	

*Air gauge included with RAM controller.

RAM-Mount




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



Ordering Information


50:1 and 75:1 Grease Pump Side Pocket and Horizontal Mount Packages




			
Package Number	244646	244647	244648
Type of Package	Side Pocket Mount	Side Pocket Mount	Horizontal Mount
Ratio	50:1	75:1	75:1
Pump Part Number	205395	239730	239731
Dispense Kits	222076	222076	222076
Dispense Kit Includes	Fluid Hose	3/8 in x 6 ft	3/8 in x 6 ft
	Hose Part Number	109163	109163
	6 ft Coupled Hose	205418	205418
	Fitting(s)	155470/155494	155470/155494
Air Hose Size	1/2 in x 6 ft	1/2 in x 6 ft	1/2 in x 6 ft
Pump Mount Bracket	3 in (f) Coupler – 512874	3 in (f) Coupler – 512874	3 in (f) Coupler – 512874
Air Regulator	244844	244844	244844
Air Shut-Off Valve	110225	110225	110225
Installation Kit	948392	948392	948392
Instruction Manual	309350	309350	309350

Ordering Information


Air Regulators

	Part Number	Description
	109075	3/8 in NPT (fbc) with gauge
	244844	1/2 in NPT (fbc) with gauge


Bleed-Type Air Shut-Off Valves

	Part Number	Description
	110223	1/4 in NPT
	110224	3/8 in NPT
	110225	1/2 in NPT
	110226	3/4 in NPT


Bung Adapters

	Part Number	Dimensions	Compatible Pumps
	239965	1.65 in ID	Fire-Ball 425, 50:1 Fire-Ball 425, 75:1
	239966	1.29 in ID	Fire-Ball 300, 15:1 Fire-Ball 300, 50:1

Dispense Hose and Fitting Kits


	Part Number	Compatible Pump(s)	Includes							
			Fluid Hose Size	Fluid Hose	Grease Dispense Valve	Z-Swivel	3/8 in Closed Nipple	Quick-Disconnect Nipple	Quick-Disconnect Coupler	3/8 in Air Regulator
	222080	Fire-Ball 300, 15:1	1/4 in x 15 ft	109165	242056	202577	156849	169971	110198	110234
	222081	Fire-Ball 300, 15:1	1/4 in x 25 ft	109167	242056	202577	156849	169971	110198	110234
	236058	Mini Fire-Ball 225, 50:1	1/4 in x 12 ft	109151	242056	202577	–	169971	114558	–
	222070	Fire-Ball 300, 50:1	1/4 in x 12 ft	109151	242056	202577	–	169971	114558	–
	26C183	Fire-Ball 300, 50:1	1/4 in x 12 ft	109151	26C184	202577	–	169971	114558	–
	222383	Mini Fire-Ball 225, 50:1 Fire-Ball 300, 50:1	1/4 in x 25 ft	109154	242056	202577	–	169971	114558	–

Hose and Fitting Kits


	Part Number	Pressure Rating	Compatible Pumps	Includes			
				6 ft Air Hose	Air Hose Swivel Elbow	6 ft Fluid Hose	Fluid Hose Swivel Elbow
	222072	5,000 psi (345 bar)	Fire-Ball 300, 50:1	203320	155494	109150	155541
	222076	4,000 psi (276 bar)	Fire-Ball 425, 50:1	205418	155470	109163	155494

Ordering Information




Drum Covers

	Part Number	Description	Compatible Pumps
	222059	Cover for 35 lb (16 kg) pails	Mini Fire-Ball 225, 50:1 Fire-Ball 300, 50:1
	24R350	LD Cover for open-head 35 lb (16 kg), 70 lb (32 kg) or 120 lb (55 kg) drums	Mini Fire-Ball 225, 50:1 Fire-Ball Pumps
	204574	SD Cover for open-head 70 lb (32 kg) or 120 lb (55 kg)	Mini Fire-Ball 225, 50:1 Fire-Ball Pumps
	200326	Cover for open-head 400 lb (180 kg) drums	Mini Fire-Ball 225, 50:1 Fire-Ball 300, 15:1 Fire-Ball 300, 50:1 Fire-Ball 425, 10:1 and 50:1
	160754	Bung-adapter plate for mounting pump to 120 lb (55 kg) or 400 lb (180 kg) drum covers	Fire-Ball Pumps

Drum Elevator

	Part Number	Description	Includes		
			Cover Support	Drum Elevator	Air Control Kit
	241663	Air-powered elevator to speed up 400 lb (180 kg) drum changes	207562	204385	207561

Mounting Accessories for Fire-Ball Pumps


	Part Number	Description
	948393	Flange Adapter (male) for Fire-Ball 300 Pumps
	948392	Flange Adapter (male) for Fire-Ball 425 Pumps
	512874	Coupler (female), 3 in thread

Ordering Information

Follower Plates





	Part Number	Container Size	Flexible Wiper	Compatible Pumps
	24F901	35 lb (16 kg)	16F769	LD 50:1 Mini Fire-Ball 225, 50:1 Fire-Ball 300, 15:1 Fire-Ball 300, 50:1
	24F902	70 lb (32 kg) 120 lb (55 kg)	16F781	LD 50:1 Mini Fire-Ball 225, 50:1 Fire-Ball 300, 15:1 Fire-Ball 300, 50:1
	24F903	400 lb (180 kg)	16F784	LD 50:1 Mini Fire-Ball 225, 50:1 Fire-Ball 300, 15:1 Fire-Ball 300, 50:1
	220653	35 lb (16 kg)	183241	Mini Fire-Ball 225, 50:1 Fire-Ball 300, 15:1 Fire-Ball 300, 50:1
	220654	70 lb (32 kg) 120 lb (55 kg)	183243	Mini Fire-Ball 225, 50:1 Fire-Ball 300, 15:1 Fire-Ball 300, 50:1
	223845	400 lb (180 kg)	186463	Mini Fire-Ball 225, 50:1 Fire-Ball 300, 15:1 Fire-Ball 300, 50:1
	204130	400 lb (180 kg)	-	Mini Fire-Ball 225, 50:1 Fire-Ball 300, 15:1 Fire-Ball 300, 50:1
	223344	120 lb (55 kg)	183243	Fire-Ball 425, 50:1 Fire-Ball 425, 75:1
	223700	120 lb (55 kg)	183243	Dyna-Star 5:1
	223701	400 lb (180 kg)	186463	Dyna-Star 5:1 Fire-Ball 425 10:1
	223846	400 lb (180 kg)	186463	Fire-Ball 425, 50:1 Fire-Ball 425, 75:1
	205337	400 lb (180 kg)	-	Fire-Ball 425, 50:1 Fire-Ball 425, 75:1

High-Pressure Grease Shut-Off Valve




	Part Number	Description	Pressure Rating	Inlet
	202869	High-pressure needle valve	5,000 psi (345 bar)	1/2 in

Ordering Information


Portable Bases

	Part Number	Description
	131183	Drum dolly, 35 lb (16 kg)
	131184	Drum dolly, 120 lb (54 kg)
	129645	Drum dolly, 400 lb (182 kg)
	203622	Caster base for 120 lb (54 kg) drums


Carts

	Part Number	Description	Compatible Container Size
	203650	Drums fit onto recess on formed base. Rim clamps secure drum onto cart.	35 lb (16 kg) 70 lb (32 kg) 120 lb (55 kg)
	222243	Heavy-duty drum cart with pneumatic wheels	120 lb (55 kg)
	111470	Heavy-duty drum truck on roll-around base	400 lb (180 kg)

Pro-Shot Dispense Valves

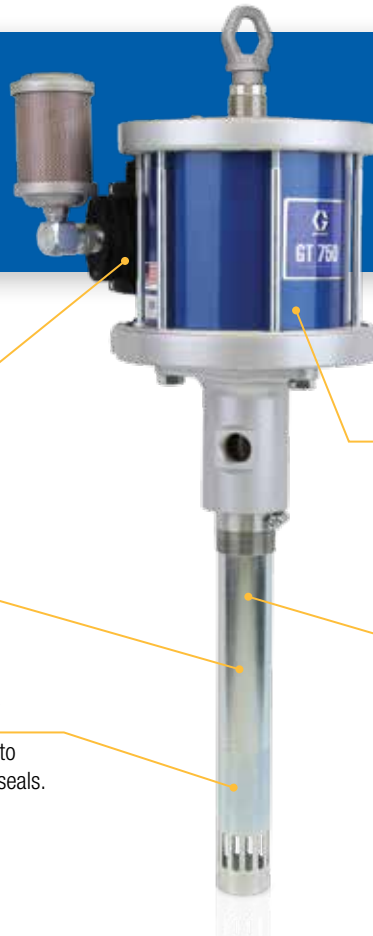
	Part Number	Description
	242055	1/4 in NPT(F) inlet without coupler or extension
	242056	1/4 in NPT(F) inlet with coupler and extension 200389
	242057	3/8 in NPT(F) inlet without coupler or extension
	242058	3/8 in NPT(F) inlet with coupler and extension 200389
	224872	Includes 30 in (76.2 cm) whip hose (109148), Z-Swivel (202577), and grease valve (242056)

Swivel

	Part Number	Description
	202577	Z-Swivel allows non-binding movement for hard-to-reach locations, 1/4-18 NPT

Fewer Strokes and Longer Pump Life

The GT 750 pump was engineered to perform in challenging applications and changing environments. The large 7.5-inch air motor and pump lower combination allows the GT 750 pump to move the same amount of grease with up to four times fewer pump strokes.



Up to
32 lb/min
(13.6 kg/min)

Efficient Air Motor

Use less air to move more grease.

Proven Pump Technology

Based on Graco NXT™ pump technology.

High Flow Rates

Up to 32 lb/min of grease.

Multiple Tank Options

Available in 35, 120 and 400 lb down tube lengths.

High Volume Per Stroke

Pump more grease without having to drive pump too quickly to damage seals.

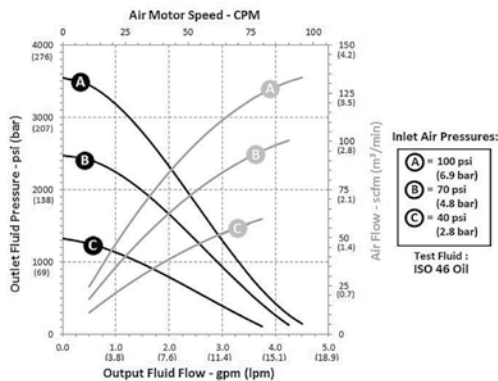
Typical Applications

- Lube trucks
- Mining
- Heavy-duty dealerships
- Fleet service facilities
- In-plant

Typical Fluids Handled

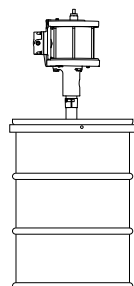
- Grease up to NLGI #2

Pump Performance



Technical Specifications

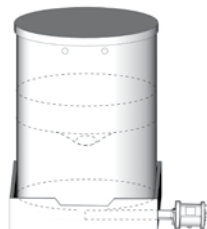
Fluid Pressure Ratio	36:1
Air Pressure Operating Range	40-100 psi (3-7 bar)
Maximum Working Pressure	3,600 psi (248 bar)
Maximum Recommended Continuous Pump Speed	60 cycles per minute
Air Motor Effective Diameter	7.5 in (190 mm)
Stroke	4.75 in (121 mm)
Air Inlet	1/2 in NPT
Fluid Outlet	1 in NPT
Maximum Delivery	32 lb/min (13.6 kg/min)
Pump Weight	59 lb (26.8 kg)
Wetted Parts	Steel, brass, Buna-N, urethane, ductile iron, aluminum
Sound Power (measured at 70 psi [4.8 bar], 20 CPM per ISO-9414-2)	77.2 dBA
Sound Pressure (tested at 3.28 ft [1 m] from equipment)	70.5 dBA
Pump Cycles Per Pound	3 cycles
Pump Cycles Per KG	6 cycles
Warranty	Five years overall and 1 year wear parts
Instruction Manual	3A5363



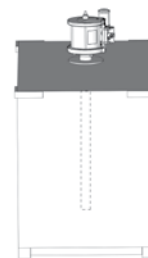
Drum Mount



Side Pocket Mount







Horizontal Mount



Top Mount


Ordering Information

GT 750 36:1 Grease Pumps


	Part Number	Description
	24W498	GT 750, 36:1 Grease Pump, stubby length
	25D116	GT 750, 36:1 Grease Pump, 120 lb length
	24W337	GT 750, 36:1 Grease Pump, 400 lb length
	25P544	GT 750, 36:1 Grease Pump, 400 lb length inductor

Accessories


Cam Lock Adapters

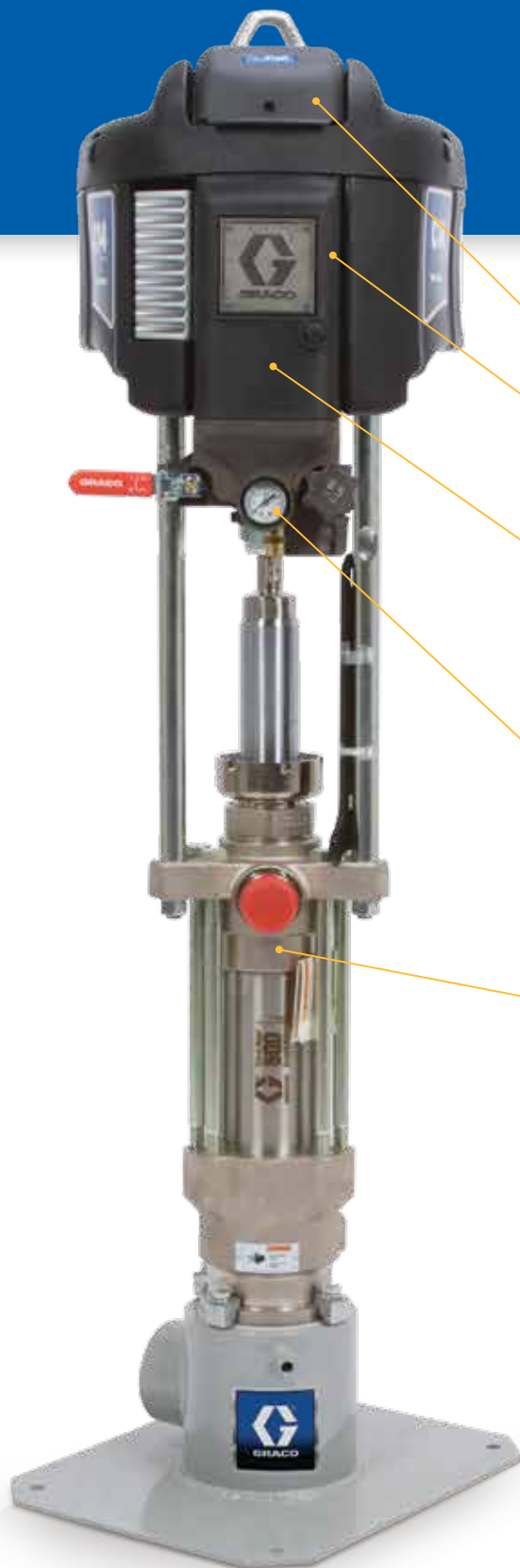
	Part Number	Description
	131380	Male Cam Lock Adapter – 3 in
	131394	Female Cam Lock Adapter – 3 in

Drum Covers

	Part Number	Description
	204574	Cover for 120 lb (54 kg) drums
	200326	Cover for 400 lb (182 kg) drums
	160754	Bung Adapter Plate (used to mount pump to drum cover) – 2 in

Follower Plates

	Part Number	Description
	223700	Follower plate for 120 lb (54 kg) drums
	223701	Follower plate for 400 lb (182 kg) drums



Move Large Amounts of Grease Fast

Tested to outperform and outlast all other pumps on the market – with its long-life packing design and intuitive, easy-to-use controls – the NXT™ High-Flo pump is the best value for the money. Fewer parts, faster repairs, and long-lasting durability.

Optional DataTrak Control

Intuitive, easy-to-use DataTrak™ control gives you pump diagnostics, material usage tracking and pump runaway protection.

NXT Air Motor

Modular design for easier maintenance with rugged body armor that won't rust or dent.

Modular Air Valves

Easy-to-repair valve eliminates stalling and contains deicing controls.

Integrated Air Controls

Easy-turn, lockable regulator is front-mounted for easy access. Compact and modular with built-in filtration.

Piston Valve with Floating Piston Seal

For maximum pressure balance over a range of material viscosities.

Typical Applications

- Fleet services facilities
- In-plant
- Mining

Typical Fluids Handled

- Grease up to NLGI #2

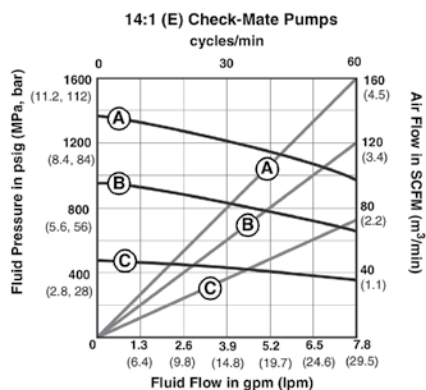
Pump Performance

Inlet Pressures:

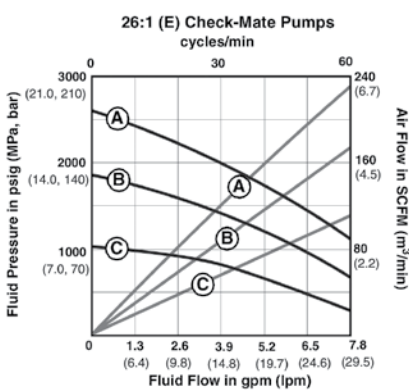
A = 100 psi (6.9 bar) air pressure **B** = 70 psi (4.8 bar) air pressure **C** = 40 psi (2.8 bar) air pressure

TEST FLUID: No. 10 Weight Oil

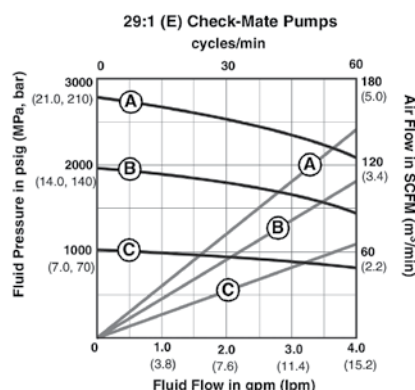
NXT 14:1 Check-Mate Pumps



NXT 26:1 Check-Mate Pumps



NXT 29:1 Check-Mate Pumps



Technical Specifications

	NXT Check-Mate 14:1	NXT Check-Mate 26:1	NXT Check-Mate 29:1
Fluid Pressure Ratio	14:1	26:1	29:1
Air Motor	NXT 3400	NXT 6500	NXT 3400
Air Motor Effective Diameter	7.5 in (191 mm)	10.4 in (264 mm)	7.5 in (191 mm)
Pump Lower	L500CS	L500CS	L250CS
Maximum Fluid Working Pressure	1,400 psi (97 bar / 9.7 MPa)	2,600 psi (179 bar / 17.9 MPa)	2,900 psi (200 bar / 20 MPa)
Output per Cycle	15.4 oz (435 g)	15.4 oz (435 g)	7.7 oz (218 g)
Air Inlet	3/4 in NPT(F)	3/4 in NPT(F)	3/4 in NPT(F)
Fluid Outlet	1-1/2 in NPT(M)	1-1/2 in NPT(M)	1 in NPT(F)
Air Operation Range	0 psi to 100 psi (0 bar to 7 bar)	0 psi to 100 psi (0 bar to 7 bar)	0 psi to 100 psi (0 bar to 7 bar)
Max Recommended Pump Speed	20 cpm	20 cpm	20 cpm
Cycles per Pound	1.0 cpp	1.0 cpp	2.1 cpp
Cycles per Kg	2 cpk	2 cpk	5 cpk
Wetted Parts	303, 304, 316 and 17-4PH grades of stainless steel; ductile iron and carbon steel, electroless nickel plated; carbon steel, zinc and electroless nickel plated; E52100 and ETD 150 alloy steel; PTFE; UHMWPE; carbon-filled PTFE; acetal	303, 304, 316 and 17-4PH grades of stainless steel; ductile iron and carbon steel, electroless nickel plated; carbon steel, zinc and electroless nickel plated; E52100 and ETD 150 alloy steel; PTFE; UHMWPE; carbon-filled PTFE; acetal	ETD 150, 41L40, and 4140 alloy steel; 304, 316, 17-4PH and 440C grades of stainless steel; acetal; carbon-filled PTFE; carbon steel; ductile iron; electroless nickel, zinc and chrome plating; PTFE; UHMWPE
Sound Pressure Level	77 dB(A)	80 dB(A)	77 dB(A)
Sound Power Level	87 dB(A)	90 dB(A)	87 dB(A)
Approximate Weight	152 lb (69 kg)	169 lb (77 kg)	128 lb (58 kg)
Instruction Manual	System – 312863 Pump – 312376 Pump Lower – 312375 Air Motor – 311238	System – 312863 Pump – 312376 Pump Lower – 312375 Air Motor – 311238	System – 312863 Pump – 312376 Pump Lower – 312375 Air Motor – 311238

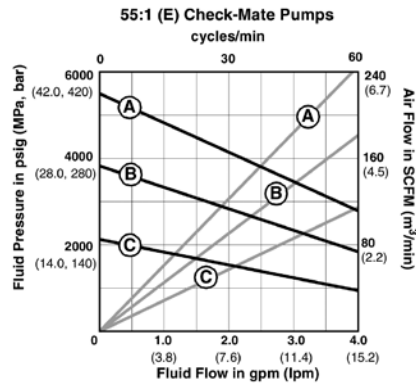
Pump Performance

Inlet Pressures:

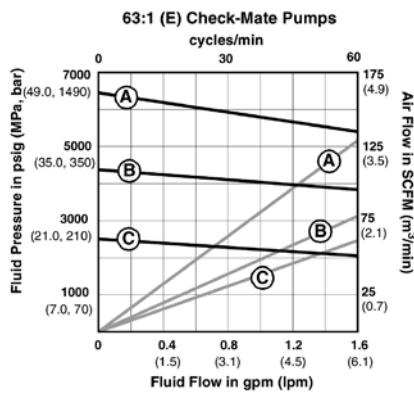
A = 100 psi (6.9 bar) air pressure **B** = 70 psi (4.8 bar) air pressure **C** = 40 psi (2.8 bar) air pressure

TEST FLUID: No. 10 Weight Oil

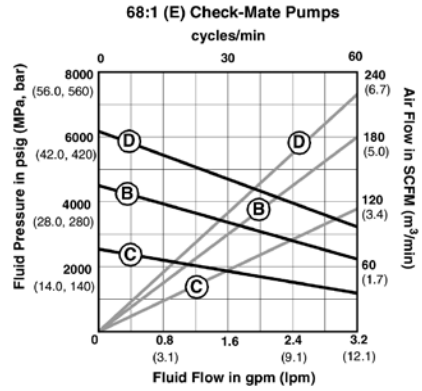
NXT 55:1 Check-Mate Pumps



NXT 63:1 Check-Mate Pumps



NXT 68:1 Check-Mate Pumps



Technical Specifications

	NXT Check-Mate 55:1	NXT Check-Mate 63:1	NXT Check-Mate 68:1
Fluid Pressure Ratio	55:1	63:1	68:1
Air Motor Effective Diameter	10.4 in (264 mm)	7.5 in (191 mm)	10.4 in (264 mm)
Maximum Fluid Working Pressure	5,500 psi (379 bar / 37.9 MPa)	4,500 psi (310 bar / 31 MPa)	5,300 psi (366 bar / 36.6 MPa)
Output per Cycle	7.7 oz (218 g)	3.1 oz (87 g)	6.1 oz (174 g)
Air Inlet	3/4 in NPT(F)	3/4 in NPT(F)	3/4 in NPT(F)
Fluid Outlet	1 in NPT(F)	3/4 in NPT(M)	1 in NPT(F)
Air Operation Range	0 psi to 100 psi (0 bar to 7 bar)	0 psi to 72 psi (0 bar to 4.9 bar)	0 psi to 78 psi (0 bar to 5.4 bar)
Max Recommended Pump Speed	20 cpm	20 cpm	20 cpm
Cycles per Pound	2.1 cpp	5.2 cpp	2.6 cpp
Cycles per Kg	5 cpk	11 cpk	6 cpk
Wetted Parts	ETD 150, 41L40 and 4140 alloy steel; 304 and 17-4PH grades of stainless steel; acetal; carbon-filled PTFE; CS; ductile iron; eNi, Zn and chrome plating; UHMWPE	ETD 150, 41L40 and 4140 alloy steel; 304 and 17-4PH grades of stainless steel; acetal; carbon-filled PTFE; CS; ductile iron; eNi, Zn and chrome plating; UHMWPE	ETD 150, 41L40 and 4140 alloy steel; 304, 316 and 17-4PH grades of stainless steel; acetal; carbon-filled PTFE; CS; ductile iron; eNi, Zn and chrome plating; UHMWPE
Sound Pressure Level	80 dB(A)	87 dB(A)	80 dB(A)
Sound Power Level	90 dB(A)	87 dB(A)	90 dB(A)
Approximate Weight	145 lb (66 kg)	101 lb (46 kg)	145 lb (66 kg)
Instruction Manual	System – 312863 Pump – 312376 Pump Lower – 312375 Air Motor – 311238	System – 312863 Pump – 312376 Pump Lower – 312375 Air Motor – 311238	System – 312863 Pump – 312376 Pump Lower – 312375 Air Motor – 311238

Ordering Information

Pump Packages with DataTrak

Package Number	247973	247976	247974	247977	247975	247978
Ratio	14:1	26:1	29:1	55:1	63:1	68:1
Pump with DataTrak	P14MCS	P26MCS	P29MCS	P55MCS	P63MCS	P68MCS
Mounting Type	Floor Standing	Floor Standing	Floor Standing	Floor Standing	Floor Standing	Floor Standing
Mounting Number	223952	223952	223952	223952	223952	223952
3/4 in x 6 ft Air Hose	208610	208610	208610	208610	208610	208610
1 in x 6 ft Fluid Hose	115042	244657	244657	244657	244657	244657

Pump Packages without DataTrak

Package Number	24E006	24E007	24E008	24E009	24E010	24E011
Ratio	14:1	26:1	29:1	55:1	63:1	68:1
Pump without DataTrak	P14DCS	P26DCS	P29DCS	P55DCS	P63DCS	P68DCS
Mounting Type	Floor Standing	Floor Standing	Floor Standing	Floor Standing	Floor Standing	Floor Standing
Mounting Number	223952	223952	223952	223952	223952	223952
3/4 in x 6 ft Air Hose	208610	208610	208610	208610	208610	208610
1 in x 6 ft Fluid Hose	115042	244657	244657	244657	244657	244657



Ordering Information

RAM Pump Packages with DataTrak

Package Number	247979	247980	247981
Ratio	14:1	63:1	68:1
RAM System	CM53BN	CM17BN	CM2RBN
3/4 in x 6 ft Air Hose	208610	208610	208610
1 in x 6 ft Fluid Hose	115042	244657	244657

RAM Pump Packages without DataTrak

Package Number	24E780	24E781	24E782
Ratio	14:1	63:1	68:1
RAM System	CM515N	CM155N	CM2L5N
3/4 in x 6 ft Air Hose	208610	208610	208610
1 in x 6 ft Fluid Hose	115042	244657	244657



Accessory Ordering Information

Seal Kit

	Part Number	Description
	25S071	Nitrile seal kit for 400 lb (180 kg) drums



Field-Proven, Energy-Efficient

Hydraulic Dyna-Star pumps provide reliable, quiet, ice-free performance at maximum pressure and low-flow rates and are up to three times more energy efficient than comparable compressed-air systems.

Built-In Reliability

Self-lubricating vertical design for long life and reliable operation in high-vibration environments.

Quiet Hydraulic Motor

No need for add-on mufflers.

High-Efficiency Motor

Uses less hydraulic oil.

Typical Applications

- Service shops
- Heavy-duty dealerships
- Fleet services facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Grease up to NLGI #2

Technical Specifications

Fluid Pressure Ratio	5:1	10:1
Pump Number	224912 – 35 lb (16 kg) 224751 – 120 lb (55 kg) 224752 – 400 lb (180 kg)	247540 – 60 lb (27 kg) 247443 – 120 lb (55 kg) 247450 – 400 lb (180 kg)
Applications	Grease Dispensing	Grease Dispensing
Maximum Input Pressure	1,500 psi (102 bar)	600 psi (41 bar)
Maximum Fluid Input Volume	3 gpm (11.4 lpm)	3 gpm (11.4 lpm)
Maximum Output Flow Rate	4 lb/min (1.8 kg)	1.1 lb/min (0.5 kg)
Maximum Recommended CPM	60	60
Maximum Fluid Output Pressure	7,500 psi (517 bar)	7,500 psi (517 bar)
Hydraulic Supply Inlet	3/8 in NPT	3/4 to 16 in JIC (37° Flare)
Hydraulic Return Outlet	3/4 in NPT	3/4 in NPT
Fluid Outlet	1/2 in NPT	1/2 in NPT
Maximum Incoming Fluid Temp.	130°F (54°C)	200°F (93°C)
Wetted Parts	Steel, copper, polyurethane, Buna-N, polyester elastomer	Steel, copper, polyurethane, Buna-N, polyester elastomer
Sound Pressure Level	77 dB(A)	77 dB(A)
Approximate Weight	224912 – 32.5 lb (14.7 kg) 224751 – 37.5 lb (17 kg) 224752 – 42 lb (19.1 kg)	247540 – 41 lb (18.6 kg) 247443 – 43.5 lb (19.7 kg) 247450 – 48 lb (21.8 kg)
Instruction Manual	308156	312350


Ordering Information

Dyna-Star Hydraulic Pumps


Part Number	Description
224912	5:1 Grease pump for 35 lb (16 kg) pails
224751	5:1 Grease pump for 120 lb (55 kg) drum
224752	5:1 Grease pump for 400 lb (180 kg) drum
247450	10:1 Grease pump for 35 lb (16 kg) pails
247443	10:1 Grease pump for 120 lb (55 kg) drum
247450	10:1 Grease pump for 400 lb (180 kg) drum

Accessories

Drum Covers


	Part Number	Description
	224915	Cover for 35 lb (16 kg) pail
	204574	Cover for 120 lb (55 kg) drum
	200326	Cover for 400 lb (180 kg) drum

Follower Plates


	Part Number	Description
	224916	Follower plate for 35 lb (16 kg)
	223700	Follower plate for 120 lb (55 kg)
	223701	Follower plate for 400 lb (180 kg)

Hydraulic Fluid Controls

Required for each pump

	Part Number	Description
	236864	Dyna-Star Fluid Controls [1,500 psi (102 bar); 3 gpm (11.4 lpm)]. Includes manifold with pressure-reducing valve, flow control valve, pressure gauge, shut-off ball valves, and 3 ft (0.9 m) supply and return hoses. Instruction manual 308395.

Tie-Down Covers

	Part Number	Description
	222060*	Dyna-Star, 5:1 tie-down cover for 120 lb (55 kg)
	207366**	Dyna-Star, 5:1 tie-down cover for 400 lb (180 kg)

*Use with hold-down kit 222061. **Use with hold-down kit 207361.

Field-Proven, Energy-Efficient

When paired with any of Graco's priming piston pumps, the Viscount II hydraulic motor offers exceptional cost savings by operating on 20% of the energy used by a pneumatic motor.



Built-In Reliability

Self-lubricating vertical design for long life and reliable operation in high-vibration environments.

Quiet Hydraulic Motor

No need for add-on mufflers.

High-Efficiency Motor

Uses less hydraulic oil.

Typical Applications

- Service shops
- Heavy-duty dealerships
- Fleet services facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Grease up to NLGI #2

Technical Specifications

Fluid Pressure Ratio	2.4:1
Pump Number	222902 – 400 lb (180 kg)
Applications	Grease Dispensing
Maximum Input Pressure	1,500 psi (103.5 bar)
Maximum Fluid Input Volume	12 gpm (45.4 lpm)
Maximum Output Flow Rate	7.5 gpm (28.5 lpm)
Maximum Recommended CPM	60
Maximum Fluid Output Pressure	2,300 psi (159 bar)
Hydraulic Supply Inlet	3/4 in NPT
Hydraulic Return Outlet	1 in NPT
Fluid Outlet	1-1/2 in NPT
Maximum Incoming Fluid Temp.	130°F (54°C)
Wetted Parts	Carbon steel; chrome, zinc and electroless nickel plating; 304 and 17-4 PH grades of stainless steel; E52100 alloy steel; ductile iron; acetal; PTFE; ultra-high-molecular weight polyethylene
Sound Pressure Level	< 70 dB(A)
Approximate Weight	196 lb (89 kg)
Instruction Manual	308149

Ordering Information


Viscount II Pumps

Part Number	Description
222902	2.4:1 Grease Pump for 400 lb (180 kg) drum

Accessories

Hydraulic Fluid Controls

Required for each pump

	Part Number	Description
	236865	Viscount II Fluid Controls [1,500 psi (102 bar); 12 gpm (45.4 lpm)]. Includes manifold with pressure-reducing valve, flow control valve, pressure gauge, shut-off ball valves, and 3 ft (0.9 m) supply and return hoses. Instruction manual 308395.

Ordering Information

Manual Dispense from Bulk Containers



Package Number	225914*	225844*	112197**	112198**
Fluids Handled	Grease	Grease	Grease	Grease
Container Size	35 lb (16 kg)	35 lb (16 kg)	35 lb (16 kg)	120 lb (55 kg)
Pump Part Number	203702	203702	–	–
Dispense Kit	203703	203703	Filler Adapter***	Filler Adapter***
Booster Gun	203697	–	–	–
Cover and Follower Plate	203701	203701	–	–
Instruction Manual	306436	306436	306436	306436




* Delivers 1/4 oz (0.7 grams) of grease per stroke at pressures to 3,000 psi (207 bar). Can service fittings directly or be used to charge a booster gun for more efficiency at higher pressures.

** Fills all three-way loading grease guns equipped with filler fittings.




*** Dispense kit 203703 can be used for direct greasing applications (must be ordered separately).



Grease Valves

	Fluid	Type	Maximum Working Pressure	Maximum Flow Rate	Intended Use	Warranty	Reference Pages
Accu-Shot™ 	NLGI #2	Metered	8,000 psi (552 bar)	2 lb/min 1 kg/min	Indoor/ Outdoor	1 year	159
Pro Shot™ 	Grease up to NLGI #2	Non-Metered	8,000 psi (552 bar)	2 lb/min 1 kg/min	Indoor/ Outdoor	1 year	160
Power Shot™ 	Grease up to NLGI #2	Booster	Supply 5,000 psi (345 bar) Output 18,000 psi (1,242 bar)	N/A	Indoor/ Outdoor	1 year	161

Grease Guns

	Fluid	Style	Maximum Working Pressure	Loading	Intended Use	Warranty	Reference Pages
Manual 	Grease up to NLGI #2	Lever	6,000 psi to 10,000 psi (414 bar to 690 bar)	Cartridge/ bulk fill/ loader fill/ suction	Indoor/ Outdoor	1 year	162
Pneumatic 	Grease up to NLGI #2	Pistol	6,000 psi (414 bar)	Bulk fill/ loader fill	Indoor/ Outdoor	1 year	162
Booster 	Grease up to NLGI #2	Pistol	10,000 psi (690 bar)	Loader fill	Indoor/ Outdoor	1 year	162

**1 Year
Warranty**

For Heavy-Duty Applications

Designed to perform in heavy-equipment shops, fleet maintenance shops, municipal garages and higher-volume in-plant applications with longer plumbing runs and larger fluid usage.



Easy-to-Read LCD

Easily reset electronic display.

Accurate Grease Metering

± 3% accuracy with ± 1% repeatability.

Battery Powered

Utilizes two standard AA alkaline batteries.

Handles Pressure Up to 5,000 psi (345 bar)

Flow up to 36 oz/min (1 kg/min).

Typical Applications

- Fleet services facilities
- Heavy-duty dealerships
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Grease up to NLGI #2

Technical Specifications

Maximum Working Pressure	5,000 psi (345 bar)
Metering System	Oval gears
Accuracy	± 3% with grease consistency (grade NLGI) 2/3
Repeatability (typical)	± 1% with grease consistency (grade NLGI) 2/3
Storage Temperature Range	-4°F to 158°F (-20°C to 170°C)
Operating Temperature Maximum	95 (%RU)
Battery	Standard alkaline batteries 2 x 1.5 Volt Size AA
Battery Life	18 to 24 months (depends on usage)
Dimensions (without extension)	8.8 in L x 1.8 in W x 4.4 H (22.4 cm L x 4.6 cm W x 11.2 cm H)
Weight	2.2 lb (1.0 kg)
Warranty	One year
Instruction Manual	309454

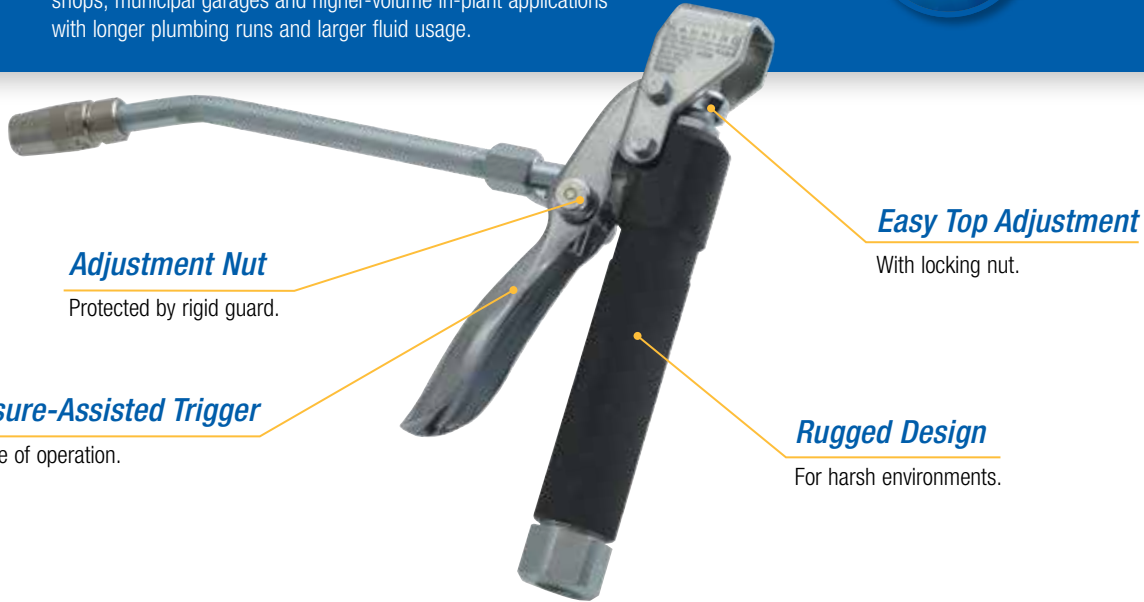
Ordering Information

Part Number	Description	Includes
233807	U.S. measurement, includes extension and hydraulic coupler	Standard nozzle extension (200389) and 1/4 in NPT inlet
233933	Metric measurement, includes extension and hydraulic coupler	

For Heavy-Duty Applications

Designed to perform in heavy-equipment shops, fleet maintenance shops, municipal garages and higher-volume in-plant applications with longer plumbing runs and larger fluid usage.

**1 Year
Warranty**



Adjustment Nut

Protected by rigid guard.

Easy Top Adjustment

With locking nut.

Pressure-Assisted Trigger

For ease of operation.

Rugged Design

For harsh environments.

Typical Applications

- Fleet services facilities
- Heavy-duty dealerships
- In-plant
- Lube trucks
- Mining





Technical Specifications

Maximum Working Pressure	8,000 psi (552 bar)
Inlet Size	1/4 in or 3/8 in
Wetted Parts	Chrome vanadium, polyurethane, brass, carbon steel, alloy steel
Warranty	One year
Instruction Manual	309032

Typical Fluids Handled

- Grease up to NLGI #2

Ordering Information

	Description	NPT	
		1/4 in	3/8 in
	Non-metered grease valve with standard nozzle extension (200389)	242056	242058
	Bare non-metered grease valve only	242055	242057
	Non-metered grease valve package. Includes Grease Valve (242056), Z-Swivel (202577) and Whip Hose (109148).	224872	—
	Non-metered grease valve package. Includes Grease Valve (242055), coupler (200325) and Whip Hose (109145).	26C184	—

For Heavy-Duty Applications

Designed to perform in heavy-equipment shops, fleet maintenance shops, municipal garages and higher-volume in-plant applications with longer plumbing runs and larger fluid usage.

**1 Year
Warranty**



*Boosts Incoming Pressure
Up to 18,000 psi (1,242 bar)*

*Maximum Inlet Pressure
of 5,000 psi (345 bar)*

Typical Applications

- Fleet services facilities
- Heavy-duty dealerships
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Grease up to NLGI #2

Technical Specifications

Maximum Input Pressure	5,000 psi (34 MPa, 345 bar)
Maximum Delivery Pressure	Up to 18,000 psi (124 MPa, 1241 bar)
Inlet Size	1/8 NPT female
Wetted Parts	Alloy steel, carbon steel, chrome alloy, copper, leather
Weight	3 lb (1.4 kg)
Height	7 in (178 mm)
Length	11.675 in (296 mm)
Warranty	One year
Instruction Manual	306271

Ordering Information

Part Number	Description
202600	1/8 NPT(F) Power Shot booster Valve. Includes nozzle (200389)

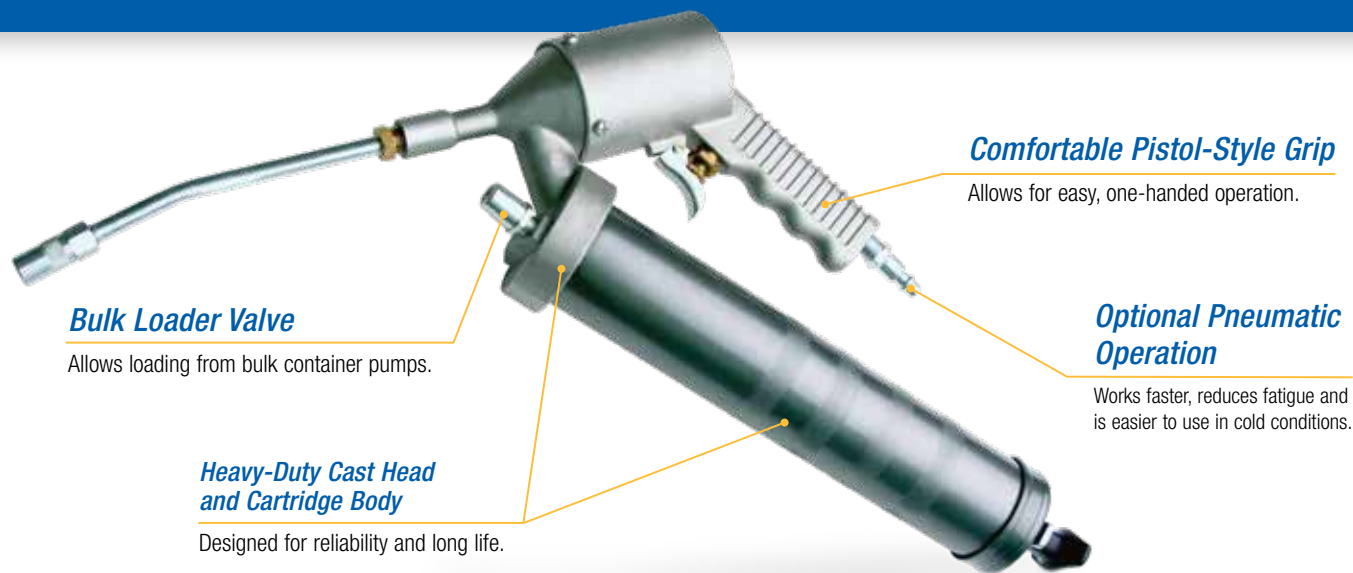
Accessories

Part Number	Description
202579	Hose swivel (must be ordered separately)

**1 Year
Warranty**

Lever-Action and Pistol-Style Grease Dispensing Guns

Durable design for years of trouble-free use in demanding environments. Reduces downtime and is easy to load – two- or three-way loading capability makes it easy to keep on greasing.




Ordering Information


	Part Number	Style	Gun Type	Pressure psi (bar)	Loading	Includes
	112196	Pneumatic	Pistol	6,000 (414)	Bulk fill/ loader fill	Rigid extension and hydraulic coupler
	203697	Booster	Pistol	10,000 (690)	Loader fill	Rigid extension
	110218	Manual	Lever	10,000 (690)	Cartridge/ bulk fill/ loader fill	Rigid extension and hydraulic coupler
	110216					Rigid extension, hydraulic coupler and air bleeder valve
	110203		Pistol		Rigid extension, hydraulic coupler and air bleeder valve	
	110202				12 in (30.4 cm) flexible extension, hydraulic coupler and air bleeder valve	
	110201		Suction	–	Suction	12 in (30.4 cm) clear plastic hose

Ordering Information


Z-Swivels

	Maximum Working Pressure psi (bar)	Inlet	Outlet	Thread	Part Number
	6,500 (450)	1/8 in	1/4 in	NPT	202579
	6,500 (450)	1/4 in	1/4 in	NPT	202577
	6,500 (450)	3/8 in	3/8 in	NPT	224569
	6,000 (414)	1/2 in	1/2 in	NPT	207948

Straight Swivels

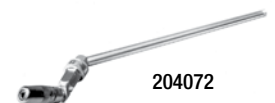
	Maximum Working Pressure psi (bar)	NPT		Part Number
		Inlet	Outlet	
	8,000 (500)	1/8 in	1/8 in	204082
	8,000 (500)	1/4 in	1/8 in	204083
	8,000 (500)	1/4 in	1/4 in	204084
	6,000 (414)	1/2 in	1/2 in	207947
	5,000 (345)	3/8 in	1/2 in	214926
5,000 (345)	1/2 in	1/2 in	207946	

360° Swivels

	Part Number	Includes	
		Fitting	Coupler
	203597	203198	200325
203198	203198	—	

Nozzles

Part Number	Description
200389	Standard nozzle. Includes straight 6 in (15.2 cm), 1/8 NPT(M) extension tube (197471) and tapered nose coupler (200325).
204072	Swivel nozzle. Includes straight 6 in (15.2 cm), 1/8 NPT(M) extension tube (197471) and tapered nose coupler (200325). Coupler has 360° swivel adapter (203198) for added convenience.
204897	Swivel nozzle. Includes straight 12 in (30.4 cm), 1/8 NPT(M) extension tube (155836) and tapered nose coupler (200325). Coupler has 360° swivel adapter (203198) for added convenience.
204204*	Flexible 12 in (30.4 cm) hose nozzle. 1/8 NPT(M) includes tapered-nose coupler (200325).
203504*	Flexible 12 in (30.4 cm) hose nozzle. 1/8 NPT(M) includes tapered-nose coupler (200325) and lock-sleeve connector (203497) for quick connection to any grease nozzle having tapered-nose coupler.
109145	12 in (30.4 cm) hose nozzle without coupler.
112255	18 in (45.8 cm) hose nozzle without coupler.
109148*	30 in (76.2 cm) hose nozzle without coupler, has 1/8 NPT(M) both ends. Use as alternate for rigid nozzle with tapered-nose coupler 200325.



Ordering Information

Couplers

Part Number	Description
200325	1/8 NPT(F) inlet standard tapered-nose coupler. Hardened jaws grip grease fittings through wide-sealing angle, but release easily. Maximum working pressure 8,000 psi (551 bar).
202650	1/8 NPT(F) inlet standard straight-nose grease coupler for manual operated grease guns only. Maximum working pressure 3,000 psi (206 bar).
200020	1/8 NPT(F) inlet standard button-head coupler. Gives fast, positive seal on button-head fittings.
200021	1/8 NPT(F) inlet giant button-head coupler. Gives fast, positive seal on larger button-head fittings.



Adapters

Adapters have lock-sleeve quick-connector; works with any grease nozzle with a tapered-nose coupler.

Part Number	Description
201881	Hydraulic-to-push adapter. Used for U-joints and low-pressure service.
205532	Hydraulic-to-steel needle adapter. Used for flush fittings. 250 psi (17 bar) max. Not for air grease applications or guns.
205582	Hydraulic-to-nylon needle adapter. Used for removable plugs. 250 psi (17 bar) max. Not for air grease applications or guns.
223187	90° hydraulic-to-push adapter (K-car). Refer to instruction manual 306708.
203497	Lock-sleeve connector. 1/8 NPT(F) outlet. Allows for quick connection to tapered-nose coupler. Inlet is standard grease fitting with sleeve to lock connector in place.
236171	Easy-fill valve. For faster loading of Graco hand grease guns with gun loaders. Replaces hydraulic fittings on all grease guns with 1/8 NPT(F).
204929	Grease loader valve. For use with lever-operated, high-volume grease pumps. Permits quick bulk filling of hand-operated grease lever guns equipped with easy-fill valve 236171.
205592	Hydraulic adapter assortment package. Contains needle adapter (205568), plug adapter (205554), push adapter (201881), nylon needle adapter (205582), hydraulic-to-steel needle adapter (205532) and whip hose nozzle connector (203504).



Tapered Thread Grease Fittings, 10,000 psi (690 bar) (steel; ball check)

Part Number	Shank	Description
100054	9/32	1/8 NPT straight
101277	1-9/32	1/8 NPT straight
100970	9/32	1/8 NPT 30° angle
100834	9/32	1/8 NPT 45° angle
100971	9/32	1/8 NPT 65° angle
100833	9/32	1/8 NPT 90° angle
100848	3/8	1/4 NPT 67° angle
100846	3/16	1/4-28 tapered SAE-LT straight
100847	13/64	1/4-28 tapered SAE-LT 45° angle
101283	3/16	1/4-28 tapered SAE-LT 90° angle
101281	11/32	1/4-28 tapered SAE-LT straight
110702	19/64	1/4-28 tapered SAE-LT 65° angle
100835	12/32	1/4 NPT straight



Ordering Information

1/4 in Tapered Thread-Forming Grease Fittings, 10,000 psi (690 bar) (steel; ball check)

Part Number	Shank	Description
110703	13/64	1/4-28 straight
110705	13/64	1/4-28 90° angle

Drive-Type Grease Fittings (steel)

Part Number	Shank	Description
110706	3/32	3/16 drill straight
110709	7/32	3/16 drill 65° angle
110713	1/4	3/16 drill straight without ball check
101312	7/32	3/16 drill straight with ball check
110710	1/4	5/16 drill straight with ball check
101287	17/64	1/4 drill straight without ball check



101287

Standard Button-Head Grease Fitting (steel)

1/4 in Tapered Thread Grease Fittings (steel; ball check)

Part Number	Shank	Description
100837	7/16	1/4 NPT straight
101297	33/64	3/8 NPT straight
110711	35/64	1/2 NPT straight



101297

Giant Button-Head Grease Fitting (steel)

Part Number	Shank	Description
110712	9/16	3/8 NPT straight
100854	1/2	1/4 NPT straight



110712

Easy-Outs

Part Number	Description
101604	3/8 NPT straight
101605	1/4 NPT straight



101604

Grease Accessory Packages

Convenient storage box contains the following threaded fittings in the quantities listed:

Part Number	Package Includes			
	Quantity	Grease Fitting No.	Shank	Description
202654	30	100054	9/32	1/8 NPT straight
	10	100970	9/32	1/8 NPT 30° angle
	10	100833	9/32	1/8 NPT 90° angle
	20	100846	3/16	1/4-28 straight
	10	100847	13/64	1/4-28 45° angle



202654

Grease Dispense Valves and Guns