



Fire-Ball® 425 Grease Pumps

**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

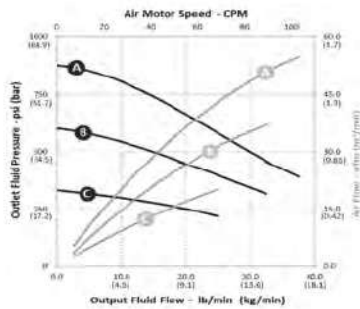
- Grease up to NLGI #2

Fire-Ball® 425 Grease Pumps



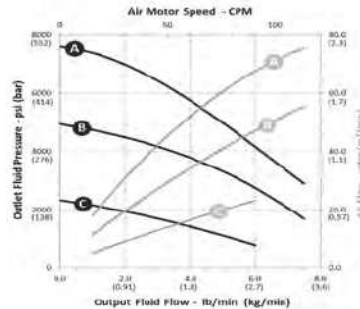
Pump Performance

Fire-Ball 425 10:1 Pumps



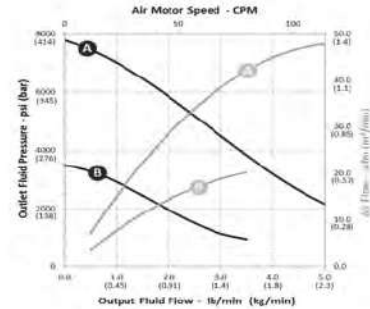
Inlet Air Pressures:
 A = 100 psi (6.9 bar)
 B = 70 psi (4.8 bar)
 C = 40 psi (2.8 bar)
 Test Fluid = ISO 32 Oil

Fire-Ball 425 50:1 Pumps



Inlet Air Pressures:
 A = 150 psi (10.3 bar)
 B = 100 psi (6.9 bar)
 C = 50 psi (3.4 bar)
 Test Fluid = NLGI #2 Grease

Fire-Ball 425 75:1 Pumps



Inlet Air Pressures:
 A = 100 psi (6.9 bar)
 B = 50 psi (3.4 bar)
 Test Fluid = NLGI #2 Grease

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 Burg Adapter (part number 222308).



Fire-Ball® 425 Grease Pump Packages

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	156859/196220/205528
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.

Fire-Ball® 425 Grease Pump Packages



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	—
	Fitting(s)	155470/155494	156859/196220/205528
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.



Fire-Ball® 425 Grease Pump Packages

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.

Fire-Ball® 425 Grease Pump RAM Packages



Ordering Information

Grease Pump RAM Packages

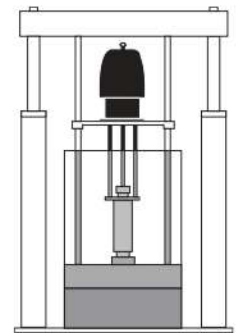


Package Number	244905	244906
Type of Package	Stationary Ram	Stationary Ram
Ratio	50:1	75:1
Container Size	400 lb (180 kg)	400 lb (180 kg)
Pump Part Number	Fire-Ball 425 – 205395	Fire-Ball 425 – 239730
Dispense Kits	222076	222076
Dispense Kit Includes	Fluid Hose	3/8 in x 6 ft
	Hose Part Number	109163
	6 ft Coupled Hose	205418
	Fitting(s)	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

Fire-Ball Grease Pump Accessories



Ordering Information

Air Regulators

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

Fire-Ball Grease Pump Accessories



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