

New products...New vision | **The NEW standard** 









## **SAMSON CORPORATION**

SAMSON, a North Carolina corporation, is one of the SAMOA Industrial Group of companies. SAMSON produces and markets conventional and customer engineered lubrication equipment and systems since 1993 and has become a dominant force in the North American markets.

SAMSON is one of 28 companies throughout Europe & America in the SAMOA Group, for more than 60 years have emerged as the largest manufacture in the world of quality lubrication equipment. The Groups worldwide presence is complimented with an extensive distribution network covering more than 100 countries.

SAMSON products require less energy to operate as they are designed for a rugged working environment. SAMSON continues to design and introduce innovative new products into the marketplace.

Take a look and you will discover why many professionals believe that "SAMSON, the best constructed, highest quality, lubrication equipment on the market, combined with 'old fashion service' is the best value to come along in decades."









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#### **PUMPMASTER®**















	PumpMaster 2 1:1	PumpMaster 2 3:1	PumpMaster 4 3:1	PumpMaster 4 5:1	PumpMaster 35 5:1	PumpMaster 35 8:1
Pump description	Utility Transfer	Utility Medium Pressure	Standard Duty Medium Pressure	Standard Duty Medium Pressure	Heavy-Duty Medium Pressure	Heavy-Duty High Pressure
Simultaneous outlets	1 (no reels)	1	1 to 2	1 to 2	1 to 3	1 to 2
Max. line length	100' (30 m)	200' (60 m)	200' (60 m)	500' (150 m)	500' (150 m)	650' (200 m)

Maximum line length and number of simultaneous dispense points also depends on the line diameter, fluid viscosity and required delivery.

## **AIR OPERATED OIL PUMPS**

It all starts with the pump; the heart of the system. Proper pump selection is critical to ensure that your lubrication system will provide years of dependable service. SAMSON has engineered a broad offering of oil pumps to handle a wide variety of applications. This range of pumps will fit containers of different sizes and bulk storage tanks; covering applications that range from the transfer of oil to very large centralized lube systems. All SAMSON pumps are rebuildable using factory supplied repair parts.

## PRESSURE AND VOLUME

An important and often confusing aspect of selecting a pump is how to determine which pump ratio and what pump size to select. The pump ratio is calculated by dividing the surface area of the air motor piston by the surface area of the fluid piston. The maximum pressure at the pump outlet is determined by multiplying the air inlet pressure by the pump ratio. Restrictions such as pipe length and diameter, hoses, hose reels, solenoid valves, pulse meters, control handles, and other system components create friction in the system. Sufficient fluid pressure is needed to overcome this friction, in order to get the required volume of oil to each dispense point.

Pump air motor size determines the amount of fluid flowing through the pump outlet during each cycle of the pump. Three different sizes of pumps, with the same ratio, will each deliver a different flow rate. It is important to consider a variety of factors (number of dispense points, desired flow rate, product viscosity, ambient temperature, etc.) in choosing the proper pump size for your system.





## PUMPMASTER®













	PumpMaster 45 3:1	PumpMaster 45 6:1	PumpMaster 45 10:1	PumpMaster 60 6:1	PumpMaster 60 12:1		
Pump description	Heavy-Duty Volume Transfer	Heavy-Duty High Flow	Heavy-Duty Pressure Flow	Heavy-Duty High Flow	Heavy-Duty High Performance		
Simultaneous outlets	3 to 4	3 to 4	3 to 4	3 to 4	3 to 4		
Max. line length	250' (75 m)	525' (160 m)	800' (250 m)	525' (160 m)	800' (250 m)		





Technical specifications are subject to change without prior notice

## **OIL PUMPS:** PUMPMASTER 2 – 1:1





## Low Pressure Transfer Pump

Double acting air operated low pressure oil transfer pump. Pumps include a height adjustable 2" bung adaptor for tank or drum bung mounting.

#### Reliable air motor

Unique leaf spring design

#### **Corrosion resistant**

Materials and fewer moving parts provide longer pump life

#### **Metal seal carrier**

Allows a compact pump design, minimizing dead air spaces and thus contributing to reduced air consumption and prolonged pump life

#### Long life packings

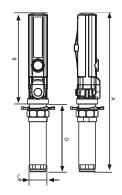
Dual packing seals provide longer trouble-free operation

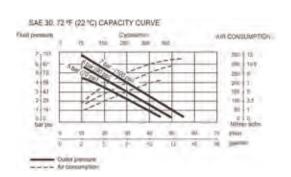
#### Double acting pump

Provides an even and smooth fluid flow

## MARKETS SERVED

- Auto dealers
- Service shops
- Fast lube centers
- Agriculture
- Industrial
- Synthetic and mineral based oil
- Hydraulic oil
- Transmission fluid





IN (MM)	351 120	352 120
Α	19 3/4" (502)	47 1/4" (1.200)
В	11 1/4" (286)	11 1/4" (286)
С	2" (52)	2" (52)
D	8 1/2" (215)	36" (915)





## **OIL PUMPS:** PUMPMASTER 2 – 1:1

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	1:1
Air pressure operating range	20 to 140 psi (1.5 - 10 bar)
Air consumption (1)	5.3 scfm (150 NL/min)
Maximum fluid outlet pressure	140 psi (10 bar)
Air motor diameter	2" (51 mm)
Air motor effective diameter	1 1/2" (35 mm)
Air motor stroke	3" (75 mm)
Delivery at 235 cpm	7.75 gpm (20 l/min)
Maximum free flow delivery (2)	13.7 gpm (52 l/min)
Air inlet	1/4" NPT(F)
Fluid inlet (stub pump only)	1" NPT(F)
Fluid outlet	3/4" NPT(F)
Wetted and seal materials	Aluminum / Steel / Polyurethane / NBR / Acetal
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Manual	835 808

<sup>(1)</sup> Air consumption with 90 psi (6 bar) air inlet pressure and 150 cycles per minute.

<sup>(2)</sup> Maximum free delivery at 100 psi (7 bar).

	ORDER INFORMATION
351 120	PM2 1:1 Stub pump w/ bung adaptor
352 120	PM2 1:1 Drum pump 55 gal w/ bung adaptor

Choose the down tube to match your container size from the selection below, for use with 351 120

#### **Hose Kit** Medium pressure hose connection kit for PumpMaster 2 1:1



#### 904 5' Hose Kit

#### **Down Tubes** Choose the down tube to match your container size for PumpMaster 2 1:1



910 411	1" NPT(M) X 14" - 30°	16 Gallon Drum
910 412	1" NPT(M) X 26" - 30°	55 Gallon Drum
910 417	1" NPT(M) X 32" - 30°	275 Gallon Tote
910 418	1" NPT(M) X 60" - 30°	300 Gallon Tank

## **OIL PACKAGES:** PUMPMASTER 2 – 1:1







#### 55 Gal Drum Packages

Package Part No.	454 003	454 010
Application	Non-metered	Metered
Pump 55 gal Drum	352 120	352 120
MP Hose 15' x 1/2" MP	848	848
Delivery Handle CV11 Non-metered	363 117	
Delivery Handle EC8 Metered		365 537
Air Coupler 1/4" NPT(F)	930F04	930F04
Air Nipple 1/4" NPT(M)	933M04	933M04
F/R w/Gauge 1/4" Mini Piggyback	955	955

## **OIL PACKAGES:**PUMPMASTER 2 – 2:1



#### 55 Gal Drum Packages

Tray contains spills and drains fluid back through the filtered bushing into drum

Package Part No.	454 100	Recommended Accessories	
Pump 55 gal Drum	352 120		
Bung Adaptor	Included	955	1/4" Mini piggyback F/R w/gauge
Drain Shelf	Included	950 321	1/4" NPT(M) X 1/4" NPT(F) Air valve
Spigot Outlet Valve	1900 Included		

Note: Pump packages include all hoses and adaptors required for connecting a pump to the air supply and oil dispense line. SAMSON does not provide wall mounting hardware (nuts, bolts, and anchors) for packages.



## **ACCESSORIES:** PUMPMASTER 2 – 1:1

#### Accessories

#### Air System Management & Accessories

#### Filter Regulator



955	1/4" Mini piggyback F/R w/gauge
995	1/4" Mini F/R/L combo
991	1/4" Mini air regulator w/gauge

#### Coupler & Nipple



930F04	Coupler 1/4" (F)
933M04	Nipple 1/4" (M)

#### Ball Valve



2013	1/4" (F) LP Ball Valve

#### Carts



1301	Two-wheel cart for 5 gal pails and 16 gal kegs
1307	Standard-duty platform truck for 55 gal drum

#### **Connection Hose Kit**



**904** 5' Hose connection kit for PM2 1:1

#### **Dollies**

	1304	Band type dolly for 16 gal keg
24.	1306	X-frame type dolly for 55 gal drum

#### **Keg Covers**



#### **Down Tubes** Choose the down tube to match your container size for PumpMaster 2 1:1



910 411	1" NPT(M) X 14" - 30°	16 Gallon Drum
910 412	1" NPT(M) X 26" - 30°	55 Gallon Drum
910 417	1" NPT(M) X 32" - 30°	275 Gallon Tote
910 418	1" NPT(M) X 60" - 30°	330 Gallon Tank

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## **OIL PUMPS:** PUMPMASTER 2 – 3:1





### Medium Pressure Utility Pump

Double-acting air-operated medium pressure utility oil pumps for dispensing lubricants from portable units, tank packages and small systems. Pumps include a height adjustable 2" bung adaptor for tank or drum bung mounting. Built in pressure relief port for the optional, but recommended, pressure relief valve (609 007)

#### Reliable air motor

Unique leaf spring design. Corrosion resistant materials and fewer moving parts provide longer pump life

#### Metal seal carrier

Allows a compact pump design, minimizing dead air spaces and thus contributing to reduced air consumption and prolonged pump life

#### Long life packings

Dual packing seals provide trouble-free operation

#### Hardened steel foot valves

Increase durability and constant performance through the life of the pump

#### Spring assisted valves

Allows horizontal or vertical pump installation

#### Double acting pump

Provides even and smooth fluid flow

#### Built-in port for connecting a pressure relief valve

Positive relief of overpressure caused by thermal expansion using an optional, inexpensive, and recommended, pressure relief valve (609 007)

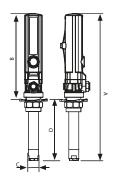
#### Adaptor included

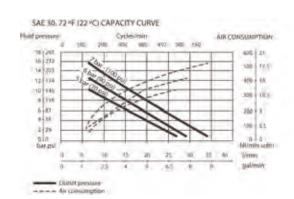
Adaptor 2065 3/4"M x 1/2"F is included with the pump. Adaptor allows the PumpMaster 2 3:1 pump to be fitted with a standard 1/2" delivery hose

- Auto dealers
- Service shops
- Fast lube centers
- Agriculture

## **MARKETS SERVED**

- Synthetic and mineral based oil
- Hydraulic oil
- Gear lube
- · Transmission fluid





IN	I (MM)	353 120	358 120	354 120	213	260
	Α	19 1/2" (495)	39" (995)	47" (1.200)	59 1/2" (1.510)	71 1/2" (495)
	В	11 1/2" (295)	11 1/2" (295)	11 1/2" (295)	11 1/2" (295)	11 1/2" (295)
	С	1 1/4" (34)	1 1/4" (34)	1 1/4" (34)	1 1/4" (34)	1 1/4" (34)
	D	8" (200)	27 1/2" (700)	35 1/2" (905)	48" (1.215)	60" (1.520)

**FLUIDS HANDLED** 





## **OIL PUMPS:** PUMPMASTER 2 – 3:1

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	3:1
Air pressure operating range	20 to 140 psi (1.5 - 10 bar)
Air consumption (1)	6.4 scfm (180 NL/min)
Maximum fluid outlet pressure	420 psi (30 bar)
Air motor diameter	2" (51 mm)
Air motor effective diameter	1 1/2" (35 mm)
Air motor stroke	3" (75 mm)
Delivery 315 cpm	4.5 gpm (17 l/min)
Maximum free flow delivery (2)	9.3 gpm (35 l/min)
Air inlet	1/4" NPT(F)
Fluid inlet (stub pump only)	3/4" NPT(F)
Fluid outlet (3)	3/4" NPT(F)
Wetted and seal materials	Aluminum / Steel / NBR / PTFE
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Manual	835 809

- (1) Air consumption with 90 psi (6 bar) air inlet pressure and 200 cycles per minute.
- (2) Maximum free delivery at 100 psi (7 bar).
- (3) Adaptor 2065 3/4"M x 1/2"F is included with the pump.

	ORDER INFORMATION
353 120	PM2 3:1 Stub pump w/ bung adaptor
358 120	PM2 3:1 16 gal keg pump w/ bung adaptor
354 120	PM2 3:1 55 gal drum pump w/ bung adaptor
*213	PM2 3:1 275/500 gal tank w/ bung adaptor
*260	PM2 3:1 60" tank w/ bung adaptor

<sup>\*</sup>Pumps include 353 120 with the down tube unassembled

#### **Hose Kit** Medium pressure hose connection kit for PumpMaster 2 3:1



904 5' Hose Kit		362 910 2.5' Hose Wall Mou	362 910 2.5' Hose Wall Mount Kit	
LP Hose 1/4" x 5'	802	LP Hose 1/4" x 2.5'	801	
MP Hose 3/4" x 5'	857	MP Hose 3/4" x 2.5'	860	
Coupler 1/4" (F)	930F04	Swivel 90° 1/4" (F) x 1/4" (M)	1947	
Nipple 1/4" (M)	933M04	Swivel 90° 3/4" (F) x 3/4" (M)	1982	
		Coupler 1/4" (F)	930F04	
		Nipple 1/4" (M)	933M04	

#### **Down Tubes** Choose the down tube to match your container size for PumpMaster 2 3:1



910 401	3/4" NPT(M) X 14" - 30°	16 Gallon Drum
910 402	3/4" NPT(M) X 26" - 30°	55 Gallon Drum
910 407	3/4" NPT(M) X 32" - 30°	275 Gallon Tote
910 408	3/4" NPT(M) X 60" - 30°	330 Gallon Tank

## **PACKAGES:** PUMPMASTER 2 – 3:1









16 Gal Keg Packages

Stationary & Portable for gear lube, motor oil, ATF & lubricants

Package Part No.	203	207A	202
Application	Portable 15'	Portable 15'	Stationary 5'
Pump 16 gal keg	358 120	358 120	358 120
Connecting hose kit			904
MP Hose 15'	848	848	
Delivery Handle EC8 Metered Formable	365 537	365 537	
Air Coupler 1/4" NPT(F)	930F04	930F04	
Air Nipple 1/4" NPT(M)	933M04	933M04	
F/R w/Gauge 1/4" Mini Piggyback	955	955	
Keg Cover 16 gal heavy-duty	1936		
Band Dolly 120 lb	1304		
Four wheel truck		1303	









**Drum Packages** 

#### Stationary for gear lube, motor oil, ATF & lubricants

Package Part No.	210	222	212	209
Application	Stub Pump 5'	55 Gal Tank 5'	275/300 Gal Tank 5'	55 Gal 10'
PumpMaster 2 3:1 Pump	353 120	354 120	213	354 120
Connecting Hose Kit	904	904	904	
MP Hose 10'				847
Delivery Handle EC8 Metered Formable				365 537
Air Coupler 1/4" NPT(F)				930F04
Air Nipple 1/4" NPT(M)				933M04
F/R w/Gauge 1/4" Mini Piggyback				955

Note: Pump packages include all hoses and adaptors required for connecting a pump to the air supply and oil dispense line. SAMSON does not provide wall mounting hardware (nuts, bolts, and anchors) for packages.

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Technical specifications are subject to change without prior notice





## **PACKAGES:** PUMPMASTER 2 – 3:1







**55 Gal Drum Packages** 

Stationary & Portable for gear lube, motor oil, ATF & lubricants

Package Part No.	209B	209C	211 001
Application	Standard Duty 15'	Heavy-Duty 15'	Reel/Cart Pkg 30'
Pump 55 gal Drum	354 120	354 120	354 120
MP Hose 15' x 1/2"	848	848	
Delivery Handle EC8 Metered 90 Flex Manual	365 537	365 537	365 537
Air Coupler 1/4" NPT(F)	930F04	930F04	930F04
Air Nipple 1/4" NPT(M)	933M04	933M04	933M04
F/R w/Gauge 1/4" Mini Piggyback	955	955	955
Standard Duty Truck	1307		
Heavy-Duty Truck		1305	1305
1400 Series Reel			1428 (30' x 1/2")





275/330 Tote Packages

**Stationary** for gear lube, motor oil, ATF & lubricants

Package Part No.	454 694	454 694A	454 699	454 699A
Application	Top Mount 30'	Top Mount 50'	Side Mount 30'	Side Mount 50'
Pump	353 120	353 120	353 120	353 120
Pump bracket	900	900	900	900
Tote Bracket	360 106	360 106	360 107	360 107
Suction Hose	862	862	862	862
Dispense Handle	365 537	365 537	365 537	365 537
Hose Reel	506 202 (30' x 1/2")	504 250 (50' x 1/2")	506 202 (30' x 1/2")	504 250 (50' x 1/2")
Reel Pivot Bracket			1388	1388
Air Coupler 1/4" NPT(F)	930F04	930F04	930F04	930F04
Air Nipple 1/4" NPT(M)	933M04	933M04	933M04	933M04
F/R w/Gauge 1/4" Mini Piggyback	955	955	955	955

## **ACCESSORIES:** PUMPMASTER 2 –3:1



		Acces	sories		
Air System Man	agement & A	Accessories	<b>Connection Hos</b>	e Kit	
Filter Regulator					
R	955	1/4" Mini piggyback F/R w/gauge	Har.	904	5' Hose connection kit for PM2 3:1
	995	1/4" Mini F/R/L combo			
Ψ	991	1/4" Mini air regulator w/gauge	11	362 910	2.5' Hose wall mount kit for PM2 3:1
Coupler & Nipple					
	930F04	Coupler 1/4" (F)	Dollies		
(T)	000004	N: 1 4/8/40		1302	Band type dolly for 5 gal pail
Annual Street	933M04	Nipple 1/4" (M)	- 3	1304	Band type dolly for 16 gal keg
Ball Valve			28.2	1306	X-frame type dolly for 55 gal keg
8	2074	1/2" (F) MP Ball Valve	Keg Covers		
	2083	3/4" (F) MP Ball Valve		1936	16 gal Heavy-duty keg cover
Bung Adaptor Weather Seal			1938	55 gal Heavy-duty drum cover	
	244 901	Weather seal for bung adaptor for PM2 3:1	Mounting Brack	et	
Carts		T WZ 3.1	VY	900	Wall mount
7	7		Suction Kit		
1	1301	Two-wheel cart for 5 gal pails and 16 gal kegs	A		
-				910	Siphon kit
2					
	1303	Four wheel cart for 16 gal kegs	170		55 gal Heavy-duty drum cover  Wall mount
CO-			B 3	912	Siphon kit w/wall mount
		0. 1.1.1.16			
1307	1307	Standard-duty platform truck for 55 gal drum	atform truck for 55  Valve - Pressure Relief	Relief	
					Pressure relief valve for
	1305	Heavy-duty 3 wheel platform truck for 55 gal drum	49	609 007	PM2 3:1

## **ACCESSORIES:** PUMPMASTER 2 –3:1

#### **Accessories Cont.**

**Down Tubes** Choose the down tube to match your container size for PumpMaster 2 3:1



910 401	3/4" NPT(M) X 14" - 30°	16 Gallon Drum
910 402	3/4" NPT(M) X 26" - 30°	55 Gallon Drum
910 407	3/4" NPT(M) X 32" - 30°	275 Gallon Tote
910 408	3/4" NPT(M) X 60" - 30°	330 Gallon Tank

#### **Bulk Tankless Packages**





#### PM2 3:1 Package

Package does not include extension tube for the stub pump

	900 340	900 341
Pump	353 120	353 120
Hose Reel	506 202 (30' x 1/2")	1426 (40' x 1/2")
Delivery Handle	365 537	365 537
1/4" Mini Piggyback F/R	955	955
Quick Air Coupler	930F04	930F04
Quick Air Nipple	933M04	933M04

Note: Pump packages include all hoses and adaptors required for connecting a pump to the air supply and oil dispense line. SAMSON does not provide wall mounting hardware (nuts, bolts, and anchors) for packages.

## **OIL PUMPS:** PUMPMASTER 4 – 3:1





## Medium Pressure Standard Duty Pump

Double-acting, air-operated, medium pressure standard duty oil pumps for dispensing lubricants in small to medium sized installations. Pumps include a height adjustable 2" bung adaptor for drum and tank mounting. Built in port for optional pressure relief valve (609 007).

#### Very reliable air valve

Time proven and reliable air motor withstands adverse working conditions

#### **Efficient internal air exhaust**

Prevents icing, which can stall pump operation

#### Double acting pump

Provides even and smooth fluid flow

#### Long life packings

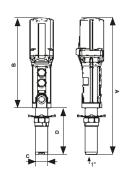
Dual packing seals provide trouble-free operation

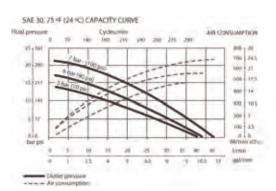
#### Built-in port for connecting a pressure relief valve

Positive relief of overpressure caused by thermal expansion using an optional, inexpensive, pressure relief valve (609 007)

# MARKETS SERVED

- Auto dealers
- Service shops
- Fast lube centers
- Agriculture
- Synthetic and mineral based oilHydraulic oil
- Gear lube
- Transmission fluid





IN(MM)	340 120	341 120	433	343 120
Α	23 1/4" (585)	51" (1.295)	63 1/4" (585)	83 1/4" (585)
В	15 1/4" (385)	15 1/4" (385)	15 1/4" (385)	15 1/4" (385)
С	2" (52)	2" (52)	2" (52)	2" (52)
D	8" (200)	35 3/4" (910)	48" (1.215)	68" (1.727)





## **OIL PUMPS:** PUMPMASTER 4 – 3:1

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	3:1
Air pressure operating range	20 to 140 psi (1.5 - 10 bar)
Air consumption (1)	10 scfm (285 NL/min)
Maximum fluid outlet pressure	420 psi (30 bar)
Air motor diameter	3 1/2" (88 mm)
Air motor effective diameter	2 1/2" (60 mm)
Air motor stroke	4" (100 mm)
Delivery at 235 cpm	6.5 gpm (24.6 l/min)
Maximum free flow delivery (2)	11.1 gpm (42 l/min)
Air inlet	3/8" NPT(F)
Fluid inlet (stub pump only)	1" NPT(F)
Fluid outlet	3/4" NPT(F)
Wetted and seal materials	Aluminum / Steel / Polyurethane / NBR / PTFE
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Manual	834 810

<sup>(1)</sup> Air consumption with 90 psi (6 bar) air inlet pressure and 85 cycles per minute.

<sup>(2)</sup> Maximum free delivery at 100 psi (7 bar).

	ORDER INFORMATION
340 120	PM4 3:1 Stub pump w/ bung adaptor
341 120	PM4 3:1 55 gal drum pump w/ bung adaptor
*433	PM4 3:1 275/500 (48") gal tank w/ bung adaptor
*343 120	PM4 3:1 60" Tank w/ bung adaptor

<sup>\*</sup>Pumps include 353 120 with the down tube unassembled

#### Hose Kit Medium pressure hose connection kit for PumpMaster 4 3:1



906 5' Hose Kit		362 911 2.5' Hose Wall Mou	362 911 2.5' Hose Wall Mount Kit	
LP Hose 3/8" x 5'	813	LP Hose 3/8" x 2.5'	812	
MP Hose 3/4" x 5'	857	MP Hose 3/4" x 2.5'	860	
Coupler 3/8" (F)	935F08	Swivel 90° 3/8" (F) x 3/8" (M)	1978	
Nipple 3/8" (M)	936M06	Swivel 90° 3/4" (F) x 3/4" (M)	1982	
		Coupler 3/8" (F)	935F08	
		Nipple 3/8" (M)	936M06	

#### **Down Tubes** Choose the down tube to match your container size for PumpMaster PM4 3:1



910 411	1" NPT(M) X 14" - 30°	16 Gallon Drum
910 412	1" NPT(M) X 26" - 30°	55 Gallon Drum
910 417	1" NPT(M) X 32" - 30°	275 Gallon Tote
910 418	1" NPT(M) X 60" - 30°	330 Gallon Tank

## **OIL PUMPS:** PUMPMASTER 4 – 5:1





### Medium Pressure Standard Duty Pump

Double-acting, air-operated, medium pressure, standard duty oil pumps for dispensing lubricants in medium to large size installations, which may include simultaneous dispense points. Pumps include a height adjustable 2" bung adaptor for drum and tank mounting. Built in port for recommended pressure relief valve (609 007).

#### Very reliable air valve

Time proven and reliable air motor withstands the most adverse working conditions

#### **Efficient air exhaust**

Prevents icing, which can stall pump operation

#### Double acting pump

Provides even and smooth fluid flow

#### Long life packings

Dual packing seals provide trouble-free operation

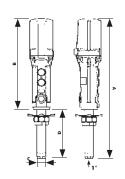
#### Built-in port for connecting a pressure relief valve

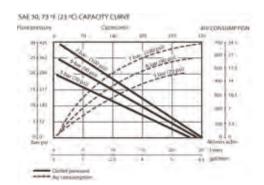
Positive relief of overpressure caused by oil thermal expansion using an optional, inexpensive, pressure relief valve (609 007)

#### **Adaptor included**

## MARKETS SERVED

- Auto dealers
- Service shops
- Fast lube centers
- Agriculture
- Mining & construction
- Industrial
- Synthetic and mineral based oil
- Hydraulic oil
- Gear lube
- Transmission fluid





IN(MM)	347 120	348 120	413	460
Α	26 1/4" (663)	51 1/4" (1.300)	63 1/4" (1.600)	75 1/4" (1.910)
В	15 1/4" (385)	15 1/4" (385)	15 1/4" (385)	15 1/4" (385)
С	1 3/4" (42)	1 3/4" (42)	1 3/4" (42)	1 3/4" (42)
D	11" (278)	36" (915)	48" (1.215)	60" (1.525)



## **OIL PUMPS:** PUMPMASTER 4 – 5:1

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	5:1
Air pressure operating range	20 to 140 psi (1.5 - 10 bar)
Air consumption (1)	14 scfm (400 NL/min)
Maximum fluid outlet pressure	700 psi (50 bar)
Air motor diameter	3 1/2" (88 mm)
Air motor effective diameter	2 1/2" (60 mm)
Air motor stroke	4" (100 mm)
Delivery at 140 cpm	2.7 gpm (10 l/min)
Maximum free flow delivery (2)	6.6 gpm (25 l/min)
Air inlet	3/8" NPT(F)
Fluid inlet (stub pump only)	1" NPT(F)
Fluid outlet (3)	3/4" NPT(F)
Wetted and seal materials	Aluminum / Steel / Polyurethane / NBR / PTFE
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Manual	834 811

- (1) Air consumption with 90 psi (6 bar) air inlet pressure and 85 cycles per minute.
- (2) Maximum free delivery at 100 psi (7 bar).
- (3) Adaptor 2065 3/4"M x 1/2"F is included with the pump.

ORDER INFORMATION		
347 120	PM4 5:1 Universal stub pump w/ bung adaptor	
348 120	PM4 5:1 55 gal drum pump w/ bung adaptor	
*413	PM4 5:1 275/500 (48") gal tank w/ bung adaptor	
*460	PM4 5:1 60" Tank w/ bung adaptor	

<sup>\*</sup>Pumps include 353 120 with the down tube unassembled

#### **Hose Kit** Medium pressure hose connection kit for PumpMaster 4 5:1



906 5' Hose Kit		362 911 2.5' Hose Wall Mou	362 911 2.5' Hose Wall Mount Kit	
LP Hose 3/8" x 5'	813	LP Hose 3/8" x 2.5'	812	
MP Hose 3/4" x 5'	857	MP Hose 3/4" x 2.5'	860	
Coupler 3/8" (F)	935F08	Swivel 90° 3/8" (F) x 3/8" (M)	1978	
Nipple 3/8" (M)	936M06	Swivel 90° 3/4" (F) x 3/4" (M)	1982	
		Coupler 3/8" (F)	935F08	
		Nipple 3/8" (M)	936M06	

#### **Down Tubes** Choose the down tube to match your container size for PumpMaster PM4 5:1



910 411	1" NPT(M) X 14" - 30°	16 Gallon Drum
910 412	1" NPT(M) X 26" - 30°	55 Gallon Drum
910 417	1" NPT(M) X 32" - 30°	275 Gallon Tote
910 418	1" NPT(M) X 60" - 30°	330 Gallon Tank

## PACKAGES: PUMPMASTER 4 - 3:185:1







**Universal Packages** 

55 gal drums & bulk tank packages

Package Part No.	440	410
Application	3:1 Stub Pump	5:1 Stub Pump
Pump	340 120	347 120
Connecting Hose Kit 5'	906	906

#### **Bulk Tankless Packages**







PM4 5:1 Package

Package does not include extension tube for the stub pump

Package Part No.	900 542	900 543	900 544
Pump	347 120	347 120	347 120
Hose Reel	504 250 (50' x 1/2")	504 250 (50' x 1/2")	504 250 (50' x 1/2")
Delivery Handle	365 537	365 806	2199
3/8" Mini Piggyback F/R	957	957	957
Quick Air Coupler	930F06	930F06	930F06
Quick Air Nipple	933M06	933M06	933M06

Note: Pump packages include all hoses and adaptors required for connecting a pump to the air supply and oil dispense line. SAMSON does not provide wall mounting hardware (nuts, bolts, and anchors) for packages.





## **ACCESSORIES:** PUMPMASTER 4 - 3:1 & 5:1

#### Accessories

#### Air System Management & Accessories

## Filter Regulator



957	3/8" Mini piggyback F/R w/gauge
984	3/8" Mini F/R/L combo
973	3/8" Mini air regulator w/gauge

#### Coupler & Nipple



930F06	Coupler 3/8" (F)
933M06	Nipple 3/8" (M)

#### Ball Valve



2074	1/2" (F) MP Ball Valve
2083	3/4" (F) MP Ball Valve

#### Bushing



94112023	Double tap bushing 1 1/2" F top x 1" F
	Bottom x 1/8" PR por

#### **Weather Seal Cover**



244 902	Weather seal for bung adaptor for PM4 5:1
	101 1 1111 011

#### Carts



1307	Standard-duty platform truck for 55 gal drum
1305	Heavy-duty 3 wheel truck for 55 gal drum

#### **Dollies**



1306	X-frame type dolly for 55 gal
1300	drum

#### **Connection Hose Kit**



5' Hose connection kit for PM4 3:1 & 5:1
--



**362 911** 2.5' Hose wall mount kit for PM4 3:1 & 5:1

#### **Keg Covers**



1936	16 gal Heavy-duty keg cover
1938	55 gal Heavy-duty drum cover

#### **Mounting Brackets**



<b>900</b> W	all mount
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#### **Suction Kit**



910	Siphon kit
912	Siphon kit w/wall mount

#### Valve - Pressure Relief



	609 007	Pressure relief valve for PM4 3:1 & 5:1
)	94112093	Double tap Pressure relief valve for PM4 3:1 & 5:1

#### **Down Tubes** Choose the down tube to match your container size for PumpMaster 4 3:1 8 5:1



910 411	1" NPT(M) X 14" - 30°	16 Gallon Drum
910 412	1" NPT(M) X 26" - 30°	55 Gallon Drum
910 417	1" NPT(M) X 32" - 30°	275 Gallon Tote
910 418	1" NPT(M) X 60" - 30°	330 Gallon Tank

## **OIL PUMPS:** PUMPMASTER 35 – 5:1





### Medium Pressure Heavy-Duty Pump

Double-acting, air-operated, medium pressure, heavy-duty oil pumps for dispensing lubricants in medium to large size installations, which may include simultaneous dispense points. Pumps include a height adjustable 2" bung adaptor for drum and tank mounting. Built in port for optional pressure relief valve (609 007).

#### 31/4" Air motor

Pneumatically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

#### **Efficient internal air exhaust**

Prevents icing, which can stall pump operation

#### **Double acting pump**

Provides even and smooth fluid flow

#### Long life packings

Dual packing seals provide trouble-free operation

#### Built-in port for connecting a pressure relief valve

Positive relief of overpressure caused by oil thermal expansion using an optional, inexpensive, pressure relief valve (609 007)

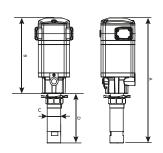
# MARKETS SERVED

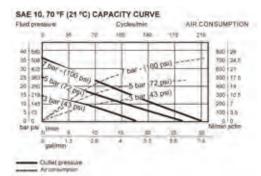
- Auto and truck dealers
- Fleet service facilities
- Mining and construction
- Lube trucks
- · Railroad and mass transit
- Marine
- Industrial

### • Synthetic and mineral based oil • Hydraulic oil

#### Gear lube

• Transmission fluid





IN(MM)	535 531	535 581	535 511
Α	18 1/2" (469)	18 1/2" (469)	47" (1,194)
В	10 1/2" (269)	10 1/2" (269)	10 1/2" (269)
С	2" (50)	2" (50)	2" (50)
D	8" (200)	8" (200)	36 1/2" (925)



## **OIL PUMPS:** PUMPMASTER 35 – 5:1

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	5:1
Air pressure operating range	30 to 175 psi (2 to 12 bar)
Air consumption (1)	12.4 scfm (350 NI/min)
Maximum fluid outlet pressure	875 psi (60 bar)
Air motor effective diameter	3.25" (80 mm)
Air motor stroke	3.15" (80 mm)
Delivery at 80 cpm	3.2 gal/min (12 l/min)
Maximum free flow delivery	8 gal/min (30 l/min)
Air inlet	3/8" NPT(F)
Fluid inlet	1 1/2" NPT(F)
Fluid outlet	1/2" NPT(F)
Wetted and seal materials	Hard chromed steel / Steel / Polyurethane / NBR / Aluminum
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Manual	853 826

<sup>(1)</sup> Maximum air consumption with 72 psi (5 bar) air inlet pressure and 80 cpm.

	ORDER INFORMATION	
535 531	PM35 5:1 Universal stub pump w/ bung adaptor	
535 581	35 581 PM35 5:1 Universal stub pump	
535 511	PM35 5:1 55 gal drum & bench tank	

Choose the down tube to match your container size from the selection below

Hose Kit Medium Pressure Hose Connection Kit for PumpMaster 35 5:1



916 5' Hose Kit		539 805 2.5' Hose Wall Mo	539 805 2.5' Hose Wall Mount Kit		
LP Hose 3/8" x 5'	813	LP Hose 3/8" x 5'	812		
MP Hose 1/2" x 5'	846	MP Hose 1/2" x 5'	845		
Air Coupler 3/8" NPT(F)	930F06	Swivel 90° 3/8" (F) x 3/8" (M)	1978		
Air Nipple 3/8" NPT(M)	933M06	Swivel 90° 1/2" (F) x 1/2" (M)	1981		
		Air Coupler 3/8" NPT(F)	930F06		
		Air Nipple 3/8" NPT(M)	933M06		

#### **Down Tubes** Choose the down tube to match your container size for PumpMaster 35 5:1



910 420	1 1/2" NPT(M) X 14" - 30°	16 Gallon Drum
910 421	1 1/2" NPT(M) X 26" - 30°	55 Gallon Drum
910 422	1 1/2" NPT(M) X 32" - 30°	275 Gallon Tote
910 423	1 1/2" NPT(M) X 60" - 30°	330 Gallon Tank

Technical specifications are subject to change without prior notice

www.samsoncorporation.com

## **OIL PUMPS:** PUMPMASTER 35 – 8:1





### High Pressure Heavy-Duty Pump

Double-acting, air-operated, high pressure, heavy-duty pumps for dispensing lubricants in large size installations or when cold temperatures or high product viscosity could limit pump performance. Pumps include a height adjustable 2" bung adaptor for drum and tank mounting. Built in port for optional pressure relief valve (609 008).

#### 3 1/4" air motor

Pneumatically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

#### Efficient internal air exhaust

Prevents icing, which can stall pump operation

#### Cast iron pump body

To withstand higher working pressures

#### Double acting pump

Provides even and smooth fluid flow

#### Long life packings

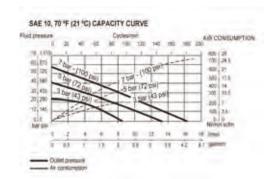
Dual packing seals provide trouble-free operation

#### Built-in port for connecting a pressure relief valve

Positive relief of overpressure caused by thermal expansion using an optional, inexpensive, pressure relief valve (609 008)

## MARKETS SERVED

- Auto & truck dealers
- Fleet service facilities
- Mining & construction
- · Lube trucks
- Railroad & mass transit maintenance
- Marine
- Industrial



Synthetic and mineral based oil
Hydraulic oil
Gear lube
Transmission fluid

IN(MM)	535 831	535 811
Α	19 1/4" (487)	47 3/4" (1,212)
В	11 1/4" (287)	11 1/4" (287)
С	1 2/3" (42)	1 2/3" (42)
D	8" (200)	36 1/2" (925)

FLUIDS HANDLED



## **OIL PUMPS: PUMPMASTER 35 - 8:1**

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	8:1		
Air pressure operating range	30 to 175 psi (2 to 12 bar)		
Air consumption (1)	12.4 scfm (350 NI/min)		
Maximum fluid outlet pressure	1,400 psi (96 bar)		
Air motor effective diameter	3.25" (80 mm)		
Air motor stroke	3.15" (80 mm)		
Delivery at 80 cpm	1.9 gal/min (7 l/mi)		
Maximum free flow delivery	4.5 gal/min (17 l/min)		
Air inlet	3/8" NPT (F)		
Fluid inlet	1" NPT (F)		
Fluid outlet	1/2" NPT (F)		
Wetted and seal materials	Cast iron / Hard chromed steel / Steel / Polyurethane / NBR		
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures		
Manual	853 829		

<sup>(1)</sup> Maximum air consumption with 72 psi (5 bar) air inlet pressure and 80 cpm.

	ORDER INFORMATION	
535 831	PM35 8:1 Universal stub pump w/ bung adaptor	
535 811	535 811 PM35 8:1 55 gal drum w/ bung adaptor/bench tank	
Choose the down t	ube to match your container size from the selection below	

#### **Hose Kit** Medium Pressure Hose Connection Kit for PumpMaster 35 8:1

916 5' Hose Kit		539 805 2.5' Hose Wall Mo	unt Kit
LP Hose 3/8" x 5'	813	LP Hose 3/8" x 5'	812
MP Hose 1/2" x 5'	846	MP Hose 1/2" x 5'	845
Air Coupler 3/8" NPT(F)	930F06	Swivel 90° 3/8" (F) x 3/8" (M)	1978
Air Nipple 3/8" NPT(M)	933M06	Swivel 90° 1/2" (F) x 1/2" (M)	1981
		Air Coupler 3/8" NPT(F)	930F06
		Air Nipple 3/8" NPT(M)	933M06

#### **Down Tubes** Choose the down tube to match your container size for PumpMaster 35 8:1

1111	910 411	1" NPT(M) X 14" - 30°	16 Gallon Drum
Ш	910 412	1" NPT(M) X 26" - 30°	55 Gallon Drum
4111	910 417	1" NPT(M) X 32" - 30°	275 Gallon Tote
- 4	910 418	1" NPT(M) X 60" - 30°	330 Gallon Tank

## PACKAGES: PUMPMASTER 35 - 5:1 & 8:1





Pump Packages	Universal		Drum mount	
Package Part No.	535 531A	535 831A	535 511A	535 811A
Application	Stub Pump 5:1	Stub Pump 8:1	Drum Pump 5:1	Drum Pump 8:1
Pump	535 531	535 831	535 511	535 811
Connecting Hose Kit	539 805	539 805	916	916

### **Bulk Tankless Packages**



#### **Tankless Packages**

Package does not include extension tube for the stub pump

Package Part No.	900 441	900 442	900 443
Pump	535 531	535 531	535 531
Hose Reel	504 250 (50' x 1/2")	504 250 (50' x 1/2")	504 250 (50' x 1/2")
Delivery Handle	365 537	365 806	2199
3/8" Mini Piggyback F/R	957	957	957
Quick Air Coupler	930F06	930F06	930F06
Quick Air Nipple	933M06	933M06	933M06

Note: Pump packages include all hoses and adaptors required for connecting a pump to the air supply and oil dispense line. SAMSON does not provide wall mounting hardware (nuts, bolts, and anchors) for packages.



## **ACCESSORIES:** PUMPMASTER 35 – 5:1 & 8:1

#### Accessories

Air System Man	agement & A	Accessories
Filter Regulator		
A	957	3/8" Mini piggyback F/R w/gauge
***	984	3/8" Mini F/R/L combo
4	973	3/8" Mini air regulator gauge
Coupler & Nipple		
Car-	930F06	Coupler 3/8" NPT(F)
E E	933M06	Nipple 3/8" NPT(M)
Ball Valve		
1	950 318	3/8" (F) LP Ball Valve
	950 320	3/8" (F) MP Ball Valve
Weather Seal Co	over	
0	244 901	Weather seal for bung adaptor Only for 8:1
Carts		
	1307	Standard-duty platform truck for 55 gal drum
	1305	Heavy-duty 3 wheel platform truck for 55 gal drum
Connection Hos	e Kit	
	916	5' Hose connection kit for PM35 5:1 & 8:1
	539 805	2.5' Hose wall mount kit for

162		
Dollies		
	1304	Band type dolly for 16 gal kegs
180	1306	X-frame type dolly for 55 gal keg
Drum Covers		
	1934	5 gal Heavy-duty pail cover
-	1936	16 gal Heavy-duty keg cover
	1938	55 gal Heavy-duty drum cover
Mounting Brack	ets	
	360 139	Wall mount 2" bung bracket for use with PM35 5:1 & 8:1
T	360 140	Wall mount flange bracket for use with PM35 5:1 only
Suction Kit		
	367 106	Suction kit PM35 5:1
	367 107	Suction kit PM35 8:1
Valve - Pressure	Relief	
	609 007	Pressure relief valve for PM35 5:1
	609 008	Pressure relief valve for PM35 8:1
-0	94112091	Double Tap Pressure relief valve for PM35 8:1
	94112092	Double Tap Pressure relief valve for PM35 5:1

#### **Down Tubes** Choose the down tube to match your container size for PumpMaster 35 5:1 & 8:1

PM35 5:1 & 8:1



-	PumpMaster 35 5:1		PumpMaster 35 8:1			
	910 420	1 1/2" NPT(M) X 14" - 30°	16 Gallon Drum	910 411	1" NPT(M) X 14" - 30°	16 Gallon Drum
	910 421	1 1/2" NPT(M) X 26" - 30°	55 Gallon Drum	910 412	1" NPT(M) X 26" - 30°	55 Gallon Drum
	910 422	1 1/2" NPT(M) X 32" - 30°	275 Gallon Tote	910 417	1" NPT(M) X 32" - 30°	275 Gallon Tote
	910 423	1 1/2" NPT(M) X 60" - 30°	330 Gallon Tank	910 418	1" NPT(M) X 60" - 30°	330 Gallon Tank

## **OIL PUMPS:** PUMPMASTER 45 – 3:1 & 6:1





## **High Delivery**

Double-acting, air-operated, high delivery, heavy-duty oil pumps for transferring or dispensing large volumes of oils. Built in port for optional pressure relief valve (609 007). Flange mounted pumps.

#### 41/2" air motor

Pneumatically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

#### **Efficient air exhaust**

Prevents icing, which can stall pump operation

#### Long life packings

Dual packing seals provide longer trouble free operation

#### High quality materials

Low friction polyurethane seals, hard chromed steel fluid plunger (6:1 pumps) or hardened aluminum (3:1 pumps), with steel valves for fewer repairs

#### Cast iron pump body

To withstand higher working pressures

#### Built-in port for connecting a pressure relief valve

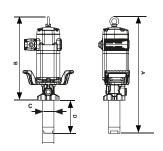
Efficient relief of adverse effects of overpressure caused by oil thermal expansion using an optional, inexpensive, pressure relief valve (609 007)

MARKETS SERVED

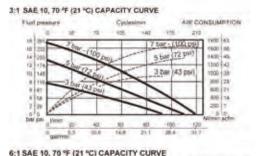
- Auto and truck dealers
- Fleet service facilities
- Mining and construction
- Lube trucks
- · Railroad and mass transit
- Marine
- Industrial

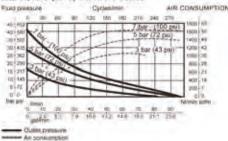
•	Synthetic	and	mineral	hased	oil
•	Synthetic	anu	IIIIIIII	Daseu	UII

- Hydraulic oil
- Gear lube
- Transmission fluid



IN(MM)	536 331	536 631
Α	28" (702)	28" (702)
В	20" (502)	20" (502)
С	3 1/2" (90)	2 3/4" (70)
D	8" (200)	8" (200)







## OIL PUMPS: PUMPMASTER 45 - 3:1 & 6:1

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	3:1	6:1	
Air pressure operating range	20 to 170 psi (1.5 to 12 bar)	20 to 170 psi (1.5 to 12 bar)	
Air consumption (1)	28 scfm (800 NI/min)	29 scfm (830 NI/min)	
Maximum fluid outlet pressure	510 psi (36 bar)	1,020 psi (72 bar)	
Air motor effective diameter	4 1/2" (115 mm)	4 1/2" (115 mm)	
Air motor stroke	4" (100 mm)	4" (100 mm)	
Delivery at 80 cpm	12 gal/min (45 l/min)	6.6 gal/min (25 l/min)	
Maximum free flow delivery (2)	32 gal/min (120 l/min)	25 gal/min (95 l/min)	
Air inlet	1/2" NPT(F)	1/2" NPT(F)	
Fluid inlet	1 1/2" NPT(F)	1 1/2" NPT(F)	
Fluid outlet	3/4" NPT(F)	3/4" NPT(F)	
Wetted and seal materials	Cast iron / Nickel / Aluminum / Steel / Polyurethane / NBR	Cast iron / Hard chromed steel / Steel / Polyurethane / NBR	
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures		
Manual	853 817	853 813	

<sup>(1)</sup> Maximum air consumption with 72 psi (5 bar) air inlet pressure and 80 cpm.

<sup>(2)</sup> Maximum free delivery at 100 psi (7 bar).

	ORDER INFORMATION
536 331	PM45 3:1 Universal stub pump, flange mounted
536 631	PM45 6:1 Universal stub pump, flange mounted

#### **Hose Kit** Medium Pressure Hose Connection Kit for PumpMaster 45 3:1 & 6:1



914 5' Hose Kit		539 009 2.5' Hose Wall Mo	539 009 2.5' Hose Wall Mount Kit		
LP Hose 1/2" x 5'	823	LP Hose 1/2" x 2.5'	822		
MP Hose 3/4" x 5'	857	MP Hose 3/4" x 2.5'	860		
Air Coupler 1/2" NPT(F)	935F08	Swivel 90° 1/2" (F) x 1/2" (M)	1981		
Air Nipple 1/2" NPT(M)	936M08	Swivel 90° 3/4" (F) x 3/4" (M)	1982		
		Air Coupler 1/2" NPT(F)	935F08		
		Air Nipple 1/2" NPT(M)	936M08		

## **OIL PUMPS:** PUMPMASTER 45 – 10:1





### High Pressure Heavy-Duty Pumps

Double-acting, air-operated, high pressure, heavy-duty oil pumps for dispensing lubricants in large size installations or when cold temperatures or high product viscosity could limit pump performance. Built in port for optional pressure relief valve (609 008). Stub pump is available in bung or flange mounted styles.

#### 41/2" air motor

Pneumatically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

#### **Efficient air exhaust**

Prevents icing, which can stall pump operation

#### Long life packings

Dual packing seals provide longer trouble free operation

#### High quality materials

Low friction polyurethane seals, hard chromed steel fluid plunger and steel valves for fewer repairs

#### Cast iron pump body

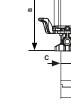
To withstand higher working pressures

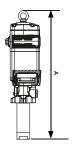
#### Built-in port for connecting a pressure relief valve

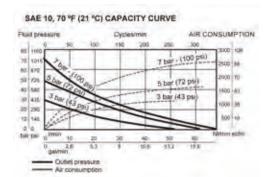
Efficient relief of adverse effects of overpressure caused by oil thermal expansion using an optional, inexpensive, pressure relief valve (360 006)

## MARKETS SERVED

- Auto and truck dealers
- Fleet service facilities
- Mining and construction
- · Lube trucks
- · Railroad and mass transit
- Marine
- Industrial







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- Synthetic and mineral based oil
- Hydraulic oil
- Gear lube
- Transmission fluid

IN(MM) 536 031		536 011	
Α	28" (702)	54" (1.357)	
В	20" (502)	20" (502)	
С	2" (54)	2" (54)	
D	8" (200)	34" (855)	





## **OIL PUMPS: PUMPMASTER 45 – 10:1**

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	10:1	
Air pressure operating range	20 to 170 psi (1.5 to 12 bar)	
Air consumption (1)	30 scfm (850 NI/min)	
Maximum fluid outlet pressure	1,700 psi (120 bar)	
Air motor effective diameter	4 1/2" (115 mm)	
Air motor stroke	4" (100 mm)	
Delivery at 100 cpm	5.3 gal/min (20 l/min)	
Maximum free flow delivery (2)	17.2 gal/min (65 l/min)	
Air inlet	1/2" NPT(F)	
Fluid inlet	1 1/2" NPT(F)	
Fluid outlet	3/4" NPT(F)	
Wetted and seal materials	Cast iron / Hard chromed steel / Steel / Polyurethane / NBR	
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures	
Manual	853 812	

<sup>(1)</sup> Maximum air consumption with 72 psi (5 bar) air inlet pressure and 80 cpm.

<sup>(2)</sup> Maximum free delivery at 100 psi (7 bar).

	ORDER INFORMATION			
536 031	536 031 PM45 10:1 Universal stub pump, flange mounted pump			
536 011	PM45 10:1 55 gal w/bung adaptor			

Choose the down tube to match your container size from the selection below

#### **Hose Kit** Medium Pressure Hose Connection Kit for PumpMaster 45 10:1



914 5' Hose Kit		539 009 2.5' Hose Wall Mo	539 009 2.5' Hose Wall Mount Kit		
LP Hose 1/2" x 5'	823	LP Hose 1/2" x 2.5'	822		
MP Hose 3/4" x 5'	857	MP Hose 3/4" x 2.5'	860		
Air Coupler 1/2" NPT(F)	935F08	Swivel 90° 1/2" (F) x 1/2" (M)	1981		
Air Nipple 1/2" NPT(M)	936M08	Swivel 90° 3/4" (F) x 3/4" (M)	1982		
		Air Coupler 1/2" NPT(F)	935F08		
		Air Nipple 1/2" NPT(M)	936M08		

#### **Down Tubes** Choose the down tube to match your container size for PumpMaster 45 10:1



910 420	1 1/2" NPT(M) X 14" - 30°	16 Gallon Drum
910 421	1 1/2" NPT(M) X 26" - 30°	55 Gallon Drum
910 422	1 1/2" NPT(M) X 32" - 30°	275 Gallon Tote
910 423	1 1/2" NPT(M) X 60" - 30°	330 Gallon Tank

#### **Recommended Accessories** 10:1 only

**360 006** 10:1 Bung Bushing Adaptor

## **OIL PUMPS:** PUMPMASTER 60 – 6:1 & 12:1





### High Flow Heavy-Duty Pumps

Double-acting, air-operated, high flow and high pressure, heavy-duty oil pumps for transferring or dispensing large volumes of oils. Built in port for optional pressure relief valve (609 007 for 6:1 & 609 008 for 12:1).

#### 6" air motor

Pneumatically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

#### **Efficient air exhaust**

Prevents icing, which can stall pump operation

#### Long life packings

Dual packing seals provide longer trouble free operation

#### **High quality materials**

Low friction polyurethane seals, hard chromed steel fluid plunger and steel valves for fewer repairs

#### Cast iron pump body

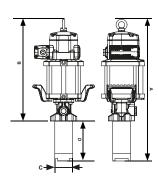
To withstand higher working pressures

#### Built-in port for connecting a pressure relief valve

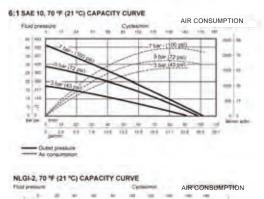
Efficient relief of adverse effects of overpressure caused by oil thermal expansion using an optional, inexpensive, pressure relief valve (609 007 for 6:1 & 609 008 for 12:1)

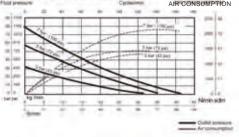
## MARKETS SERVED

- Auto and truck dealers
- Fleet service facilities
- Mining and construction
- Lube trucks
- · Railroad and mass transit
- Marine
- Industrial
- · Synthetic and mineral based oil
- Hydraulic oil
- Gear lube
- Transmission fluid



IN(MM)	537 631	537 131
Α	28 1/4" (716)	28 1/4" (716)
В	20 1/4" (516)	20 1/4" (516)
С	3 1/2" (90)	2 3/4" (70)
D	8" (200)	8" (200)





FLUIDS HANDLED



## **OIL PUMPS:** PUMPMASTER 60 - 6:1 & 12:1

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	6:1	12:1	
Air pressure operating range	20 to 170 psi (1.5 to 12 bar)	20 to 170 psi (1.5 to 12 bar)	
Air consumption	39 scfm (1.100 NI)	41 scfm (1.150 NI/min)	
Maximum fluid outlet pressure	1,020 psi (7 bar)	2,040 psi (141 bar)	
Air motor effective diameter	6" (150 mm)	6" (150 mm)	
Air motor stroke	4" (100 mm)	4" (100 mm)	
Delivery at 80 cpm/60 cpm	<sup>(1)</sup> 9.25 gal/min (35 l/min)	(2) 5.3 gal/min (20 l/min)	
Maximum free flow delivery	26.5 gal/min (100 l/min)	17 gal/min (65 l/min)	
Air inlet	1/2" NPT(F)	1/2" NPT(F)	
Fluid inlet	1 1/2" NPT(F)	1 1/2" NPT(F)	
Fluid outlet	3/4" NPT(F)	3/4" NPT(F)	
Wetted and seal materials	Cast iron / Aluminum / Nickel / Steel / Polyurethane / NBR	Cast iron / Hard chromed steel / Steel / Polyurethane / NBR	
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures		
Manual	853 821	853 818	

<sup>(1)</sup> Maximum air consumption with 72 psi (5 bar) air inlet pressure and 80 cpm.

<sup>(2)</sup> Maximum air consumption with 72 psi (5 bar) air inlet pressure and 60 cpm.

	ORDER INFORMATION
537 631	PM60 6:1 Universal stub pump, flange mounted
537 131	PM60 12:1 Universal stub pump, flange mounted

#### **Hose Kit** Medium Pressure Hose Connection Kit for PumpMaster 60 6:1 & 12:1



914 5' Hose Kit		539 009 2.5' Hose Wall Mo	539 009 2.5' Hose Wall Mount Kit		
LP Hose 1/2" x 5'	823	LP Hose 1/2" x 2.5'	822		
MP Hose 3/4" x 5'	857	MP Hose 3/4" x 2.5'	860		
Air Coupler 1/2" NPT(F)	935F08	Swivel 90° 1/2" (F) x 1/2" (M)	1981		
Air Nipple 1/2" NPT(M)	936M08	Swivel 90° 3/4" (F) x 3/4" (M)	1982		
		Air Coupler 1/2" NPT(F)	935F08		
		Air Nipple 1/2" NPT(M)	936M08		

## **PACKAGES:** PUMPMASTER 45







#### Wall Mount Packages

Package Part No.	536 331W	536 631W	536 031W	537 631W	537 131W
Application	PM45 3:1	PM45 6:1	PM45 10:1	PM60 6:1	PM60 12:1
PM45 Universal stub pump	536 331	536 631	536 031	537 631	537 131
Connecting hose kit 2.5'	539 009	539 009	539 009	539 009	539 009
1/2" Mini F/R/L combo	958	958	958	958	958
Mounting bracket	360 132	360 132	360 132	360 132	360 132





#### Universal Dackages

Package Part No.	536 331U	536 631U	536 031U	537 631U	537 1310
Application	PM45 3:1	PM45 6:1	PM45 10:1	PM60 6:1	PM60 12:1
PM45 Universal stub pump	536 331	536 631	536 031	537 631	537 131
Connecting hose kit	539 009	539 009	539 009	539 009	539 009
1/2" Mini F/R/L combo	958	958	958	958	958

Note: Pump packages include all hoses and adaptors required for connecting a pump to the air supply and oil dispense line. SAMSON does not provide wall mounting hardware (nuts, bolts, and anchors) for packages.



# **ACCESSORIES:** PUMPMASTER 45 3:1, 6:1, 10:1 PUMPMASTER 60 6:1 & 12:1

#### Accessories

Air System Management & Accessorie	2S

# Filter Regulator

958	1/2" Mini piggyback F/R w/gauge
985	1/2" Mini F/R/L combo
976	1/2" Mini air regulator gauge

#### Coupler & Nipple



930F08	Coupler 1/2" NPT(F)
933M08	Nipple 1/2" NPT(M)

#### Ball Valve



2088	1/2" (F) LP Ball Valve
2074	1/2" (F) MP Ball Valve
2083	3/4" (F) MP Ball Valve

#### **Bung Adaptor**



360 000	PM45 10:1 Bung adaptor

#### **Connection Hose Kit**





2.5' Hose wall mount kit for PM 45 3:1, 6:1 & 10:1

#### **Mounting Brackets**



360 121	PM45 & PM60 Floor bracket
360 132	PM45 & PM60 Wall mount bracket

#### Drum Covers

1	1
-	

418 017	16 gal Heavy-duty keg cover
418 026	55 gal Heavy-duty drum cover
360 133	Bung adaptor flange mount

#### Valve - Pressure Relief



)	609 007	Pressure relief valve for PM45 3:1& 6:1, PM60 6:1 - 900 psi	
,	609 008	Pressure relief valve for PM60 12:1 -1450 psi	
	94112092	Double tap pressure relief valve for PM35 5:1, PM45 & PM60	



539 009



# **PUMPS:** PUMPMASTER specialty





#### **FLUIDS HANDLED**

- · Synthetic and mineral based oil
- Hydraulic oil
- Water based solutions
- Antifreeze
- · Windshield wash Solutions

# Air Operated Specialty Piston Pump for Fluids

Air operated piston pumps for use with pure antifreeze (glycol) and water based solutions of antifreeze and windshield wash. Not suitable for use with DEF.

# **PumpMaster** Stainless Steel **TECHNICAL SPECIFICATIONS**

Pump ratio	PM2 1:1	PM4 3:1
Air pressure operating range	40 to 140 psi (3 to 10 bar)	40 to 140 psi (3-10 bar)
Effective air piston diameter	2" (51 mm)	2.5" (63.5 mm)
Piston Stroke	3" (75 mm)	3" (75 mm)
Delivery at 100 cycles/ minute	3.6 gal/min (13.5 l/min)	6.6 gal/min (25 l/min)
Maximum free delivery	10.3 gal/min (38 l/min)	11.89 gal/min (45 l/min)
Air inlet	1/4" NPT (F)	3/8" NPT(F)
Fluid inlet	1" NPT (F)	1" NPT(F)
Fluid outlet	3/4" NPT (F)	3/4" NPT(F)
Wetted materials	PTFE/Viton®/ Stainless steel	PTFE/Viton®/Stainless steel
Height adjustable bung adaptor	Included	Included
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures	
Manual	833 809	833 812

PM4 3:1 Universal stub pump

# ORDER INFORMATION PM2 1:1 Universal stub pump

# PumpMaster 2 - 1:1 Nickel TECHNICAL SPECIFICATIONS

331 120

333 120

Pump ratio	1:1
Air pressure operating range	20 to 145 psi (1.5 to 10 bar)
Effective air piston diameter	1 1/2" (51 mm)
Piston stroke	3" (75 mm)
Delivery at 100 cycles/ min	3.6 gal/min (13.5 l/min)
Maximum free delivery	14.5 gal/min (55 l/min)
Air inlet	1/4" NPT(F)
Fluid inlet	1" NPT(F)
Fluid outlet	3/4" NPT(F)
Wetted materials	Nickel coated aluminum and steel, stainless steel, acetal, NBR, polyurethane
Height adjustable bung adaptor	Included
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Manual	860 811

#### **ORDER INFORMATION**

332 120 PM2 1:1 Universal stub pump



#### **FLUIDS HANDLED**

- Water based solutions
- Antifreeze
- Windshield wash Solutions



# **OIL PUMPS:** ACCESSORIES

#### Accessories

#### Air System Management

#### Filter Regulator

9	955	1/4" Mini piggyback F/R w/gauge
	957	3/8" Piggyback F/R w/gauge
	958	1/2" Piggyback F/R w/gauge
	991	1/4" Mini air regulator gauge
	973	3/8" Mini air regulator gauge
	976	1/2" Mini air regulator gauge

#### Coupler & Nipple

	930F04	Coupler 1/4" (F)
	930F06	Coupler 3/8" (F)
	935F08	Coupler 1/2" (F)
	933M04	Nipple 1/4" (M)
	933M06	Nipple 3/8" (M)
	936M08	Nipple 1/2" (M)

#### Valve - Shut-off - LP Ball Valve 400 psi

	2013	1/4" LP Ball valve, NPT(F)
	2088	1/2" LP Ball valve, NPT(F)
	2091	3/4" LP Ball valve, NPT(F)
	2084	1" LP Ball valve, NPT(F)

#### Valve - Shut-off - MP Ball Valve 2,000 psi

	2074	1/2" MP Ball valve, NPT(F)
	2083	3/4" MP Ball valve, NPT(F)
	2090	1" MP Ball valve, NPT(F)
	2082	1 1/2" MP Ball valve, NPT(F)

#### Bung Adaptor 2" NPT(M)

· O	360 000	PM2 3:1 Bung adaptor
	360 001	PM2 1:1 Bung adaptor PM4 3:1 Bung adaptor
	360 002	PM4 5:1 Bung adaptor PM35 8:1 Bung adaptor
	609 004	PM35 5:1 Bung adaptor
	360 006	PM45 10:1 Bung adaptor
0	244 901	Weather seal for bung adaptor for PM2 3:1 & PM35 8:1
	244 902	Weather seal for bung adaptor for PM4 5:1

#### 5' Connection Hose Kit

9	904	PM2 1:1 & 3:1
	906	PM4 3:1 & 5:1
	916	PM35 5:1 & 8:1
	914	PM45/60

#### 2.5' Hose Wall Mount Kit



362 910	PM2 1:1 & 3:1
362 911	PM4 3:1 & 5:1
539 805	PM35 5:1 & 8:1
539 009	PM45/60

#### Keg Cover - Deluxe

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1934	5 gal Heavy-duty pail cover
1936	16 gal Heavy-duty keg cover
1938	55 gal Heavy-duty drum cover

#### Keg Cover - Heavy-Duty

9	418 017	16 gal Heavy-duty keg cover
	418 026	55 gal Heavy-duty drum cover



360 133

Bung adaptor flange mount

# **OIL PUMPS:** ACCESSORIES



#### Accessories

#### **Down Tubes** Choose the down tube to match your container size for PumpMaster 2 3:1



910 401	3/4" NPT(M) X 14" - 30°	16 Gallon Drum
910 402	3/4" NPT(M) X 26" - 30°	55 Gallon Drum
910 407	3/4" NPT(M) X 32" - 30°	275 Gallon Tote
910 408	3/4" NPT(M) X 60" - 30°	330 Gallon Tank

#### PumpMaster 2 1:1, PM4 3:1 & 5:1, PM35 8:1

910 411	1" NPT(M) X 14" - 30°	16 Gallon Drum
910 412	1" NPT(M) X 26" - 30°	55 Gallon Drum
910 417	1" NPT(M) X 32" - 30°	275 Gallon Tote
910 418	1" NPT(M) X 60" - 30°	330 Gallon Tank

#### PumpMaster 35 5:1, PM45 10:1

910 420	1 1/2" NPT(M) X 14" - 30°	16 Gallon Drum	
910 421	1 1/2" NPT(M) X 26" - 30°	55 Gallon Drum	
910 422	1 1/2" NPT(M) X 32" - 30°	275 Gallon Tote	
910 423	1 1/2" NPT(M) X 60" - 30°	330 Gallon Tank	

#### Mounting Bracket - PumpMaster 2 & PumpMaster 4

2			
17	900	PM2/PM4 Wall mount bracket only	
1	360 106	PM2/PM4 Top mount tote bracket Requires wall bracket 900	
	360 107	PM2/PM4 Side mount tote bracket for use in mounting a pump and reel on side of a tote Requires pump wall bracket 900, Pivot reel bracket 1388	

#### Mounting Bracket - PumpMaster 35 5:1 & 8:1

	360 139	PM35 Wall mount 2" bung bracket
Ti.	360 140	PM35 Wall mount flange bracket
Mounting Bracket - PumpMaster 45 & 60		
V	360 121	PM45/60 Floor mount bracket
F	360 132	PM45/60 Wall mount bracket





910

912

926

# **OIL PUMPS:** ACCESSORIES

#### Accessories

# **Suction Kit**



PM2/PM4 Siphon kit

includes: 40" Suction tube Bung adaptor 8' x 3/4"(F) Swivel spring hose



Valve - Shut-off - Air Eliminator Foot Valve 244

488



1" Air Eliminator foot valve w/ bung

3/4" Air eliminator foot valve

#### **Ball Check**



9411 2003 1 1/2" Ball check, NPT(F)

#### Lube Truck Hold Down Kits

Hold down kits secure drums and kegs to lube truck bed. Kits are designed for use with heavy-duty cover 418 026 (400 lb) and 418 017 (120 lb)



2440 Hold down kit - 120 lb/16 gal keg

2450 Hold down kit - 400 lb/55 gal keg



includes:

includes:

PM45/60 Suction kit

863 506 1 1/2" x 6' MP hose 2520 1 1/2" NPT(M) x 1 1/2" NPT(F) elbow

PM2/PM4 Suction kit; Wall mount

900 Wall mount bracket 910 Siphon kit

#### Valve - Auto Stop

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			7

2525 Auto stop valve 1/4" 2550 Auto stop valve 1/2"

#### Valve - Pressure Relief



Pressure relief valve for PM2 3:1; PM4 3:1 & 5:1, PM35 5:1, PM45 3:1& 6:1, PM60 6:1 - 900 psi

609 008

94112091

609 007

Pressure relief valve for PM35 8:1, PM45 10:1, PM60 12:1 -1450 psi

Double tap Pressure relief valve for PM35 8:1, PM4 3:1 & 5:1



Double tap Pressure relief valve for PM35 5:1, PM45 & PM60



Double tap Pressure relief valve for PM2 3:1



94112023

Double tap bushing 1 1/2" F top x 1" F Bottom x 1/8" PR port for PM35 5:1, PM4 3:1 & 5:1

# **OIL PUMPS: REPAIR KITS**





Kit Number	Description	Model
735 961	Muffler and filter kit	PM2 1:1 & PM2 3:1
735 963	Major repair kit air motor	PM2 1:1 & PM2 3:1
735 962	Body seals kit	PM2 1:1
735 966	Lower end kit	PM2 1:1
735 969	Main piston/rod kit stub pump	PM2 1:1
<b>735 228</b> Stub pump foot valve		PM2 1:1
735 971	Body seals kit - before 3/2012	PM2 3:1
735 973	Main piston/rod kit stub pump - before 3/2012	PM2 3:1
735 977	Seal kit square four hole base	PM2 3:1
735 421	Stub pump foot valve	PM2 3:1

PM4



Kit Number	Description	Model
734 953	Muffler and filter kit	PM4 ALL
734 955	Air motor	PM4 ALL
734 964	Main piston kit	PM4 3:1
734 963	Major repair kit air motor	PM4 3:1
734 965	Lower end kit only for 340 120	PM4 3:1
735 205	Foot valve stub pump only for 340 120	PM4 3:1
734 966	Piston kit drum/keg pump only for 341 120	PM4 3:1
735 304	Foot valve drum/keg pump only for 341 120	PM4 3:1
734 954	Body seals kit	PM4 5:1
734 956	Main piston kit	PM4 5:1
734 958	Lower end kit only for 347 120	PM4 5:1
734 505	Foot valve stub pump only for 347 120	PM4 5:1
734 959	Piston kit drum/keg pump only for 348 120	PM4 5:1
734 606	Foot valve drum/keg pump only for 348 120	PM4 5:1



# **OIL PUMPS: REPAIR KITS**

PM35	Kit Number	Description	Model
	539 502	Air motor kit	PM35 ALL
	539 505	Spool kit	PM35 ALL
	539 504	Muffler kit	PM35 ALL
	539 503	Lower seals kit	PM35 5:1
	539 501	Lower valve kit	PM35 5:1
	539 801	Lower valve kit	PM35 8:1
	539 802	Lower seals kit	PM35 8:1



Kit Number	Description	Model
539 005	PM45/60 muffler kit	PM45/60 ALL
539 006	PM45/60 spool and seals kit	PM45/60 ALL
539 301	PM45 3:1 NPT lower valve kit	PM45/60 ALL
539 302	PM45 3:1 lower seals kit	PM45/60 ALL
<b>539 601</b> PM45 6:1 NPT lower valve ki		PM45/60 ALL
539 602	PM45 6:1 lower seals kit	PM45/60 ALL
539 002 All PM45 models air motor seals kit		PM45 ALL
539 001	PM45 10:1 NPT lower valve kit	PM45 10:1
539 003	PM45 10:1 lower seals kit	PM45 10:1
539 007 Air motor seal kit		PM60 ALL











	PumpMaster 3 55:1	PumpMaster 35 60:1	PumpMaster 45 25:1	PumpMaster 45 40:1	
Pump description	Utility High Pressure	Heavy-Duty High Pressure	Heavy-Duty Pressure Transfer	Heavy-Duty High Flow	
Simultaneous outlets	1 (no reels) Mobile Units	1 to 2	1 (no reels) Mobile Units	4 or more	
Max. line length	50' (15 m)	250' (75 m)	250' (75 m)	400' (125 m)	

Maximum line length and number of simultaneous dispense points also depends on the line diameter, fluid viscosity and required delivery.

# **AIR OPERATED GREASE PUMPS**

SAMSON offers a range of high pressure and high delivery grease pumps to handle a wide variety of applications. This pump offering fits the most common container sizes, from small pails to drums, totes and specialty built tanks, and covers applications from portable units to large distribution systems. All SAMSON pumps are rebuildable using factory supplied repair parts.

SAMSON's grease pumps are designed to provide years of dependable service. The in-line balanced design assures maximum pump efficiency. All SAMSON pumps have a double acting design, pumping product on both the upstroke and down-stroke. An effective priming piston provides positive priming, even when used with high viscosity or tacky greases. A hardened foot valve minimizes pump damage due to debris. A corrosion proof air motor design tolerates moisture in compressed air.











	PumpMaster 45	PumpMaster 60	PumpMaster 60
	70:1	12:1	80:1
Pump description	Heavy-Duty	Heavy-Duty	Heavy-Duty
	High Pressure	Volume Transfer	High Performance
Simultaneous outlets	4 or more	1	4 or more
Max. line length	600' (175 m)	175' (60 m)	800' (250 m)

Maximum line length and number of simultaneous dispense points also depends on the line diameter, fluid viscosity and required delivery.





43

# **GREASE PUMPS:** PUMPMASTER 3 – 55:1





## Utility High Pressure Pump

Light and effective double acting high pressure air operated pumps specially designed for use in small mobile and portable greasing units.

Pumps are available with three different suction tube lengths: 35 lb, 120 lb and 400 lb. They include a height adjustable 2" NPT(M) bung adaptor.

#### Reliable air motor

Well proven air motor with 3" effective piston diameter air motor, minimum air consumption

#### **Double acting pump**

Provides even and smooth fluid flow

#### **Long life packings**

Low friction, dual packing step-seals provides longer trouble-free operation

#### **High quality materials**

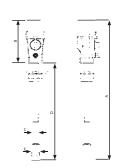
Barrel, piston and foot valve are made of hardened, precision fitted ground steel for perfect seal and long life

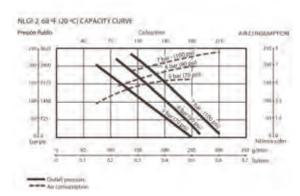
# MARKETS SERVED

FLUIDS HANDLED

- Agriculture
- Service shops
- · Light industrial

• Grease up to NLGI-2





IN(MM)	300	302	304
Α	24" (610)	36 1/2" (925)	44" (1.120)
В	8" (200)	8' (200)	8" (200)
С	1" (26)	1" (26)	1" (26)
D	16" (410)	28 1/2" (725)	36" (920)



# **GREASE PUMPS: PUMPMASTER 3 – 55:1**

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	55:1
Air pressure operating range	40 to 140 psi (3 to 10 bar)
Air consumption <sup>(1)</sup>	5.8 scfm (165 NL/min)
Maximum fluid outlet pressure	7,700 psi (550 bar)
Air motor diameter	3" (70 mm)
Air motor stroke	1 1/2" (35 mm)
Delivery at 110 cpm	0.7 lb/min (300 g/min)
Maximum free flow delivery(2)	1.3 lb/min (600 g/min)
Air inlet	1/4" NPT(F)
Fluid outlet	1/4" NPT(F)
Wetted materials	Steel / Buna-N / PTFE / Zinc
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Manual	840 803

- (1) Maximum air consumption with 90 psi (6 bar) air inlet pressure, NLGI-2 grease at 68 °F (20 °C) and 110 cpm.
- (2) Maximum free delivery at 100 psi (7 bar) NLGI-2 grease.

ORDER INFORMATION		
300	300 PM3 55:1 35 lb pail with bung adaptor	
302	302 PM3 55:1 120 lb keg with bung adaptor	
304	PM3 55:1 400 lb drum with bung adaptor	

#### **Drum Covers**

# 1934 Heavy-duty 35 lb Pail cover 1936 Heavy-duty 120 lb Keg cover Heavy-duty 400 lb Drum cover

#### **Follower Plate**

•	962	35 lb Follower plate
	964	120 lb Follower plate
	966	400 lb Follower plate

# PACKAGES: PUMPMASTER 3 - 55:1









**Pump Packages** 

for 35 lb pails

Package Part No.	319	301 101	
Application	Portable - 5' Hose	Portable - 10' Hose	
Pump	300	300	
Pail Cover	1934	1934	
Follower Plate	962	962	
Delivery Hose	871 000 (5')	872 000 (10')	
Grease Handle	413 077	413 077	
Grease Handle Swivel	1109 (straight)	1105 (z-swivel)	
Carrying Handle	2020	2020	
Quick Air Coupler 1/4"		930F04	
Quick Air Nipple 1/4"		933M04	
1/4" Mini Piggyback F/R w/		955	







**Drum Packages** 

for 120 lb drums

Package Part No.	320	303 101	303 141
Application	Mobile - 5' Hose	Stationary - 10' Hose	Mobile - 10' Hose
Pump	302	302	302
Follower Plate	964	964	964
Drum Cover	1936	1936	1936
Delivery Hose	871 000 (5')	872 000 (10')	872 000 (10')
Grease Handle	413 077	413 077	413 077
Grease Handle Swivel	1109 (straight)	1105 (z-swivel)	1105 (z-swivel)
Quick Air Coupler 1/4"		930F04	930F04
Quick Air Nipple 1/4"		933M04	933M04
1/4" Mini Piggyback F/R w/Gauge		955	955
Band Dolly 120 lb			1304
Two Wheel Cart	1301		

Note: Pump packages include all hoses and adaptors required for connecting a pump to the air supply and dispense line. SAMSON does not provide wall mounting hardware (nuts, bolts, and anchors) for packages.

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# **ACCESSORIES:** PUMPMASTER 3 – 55:1





Drum Packages

for 400 lb drums

Package Part No.	305 101	305 161	
Application	Stationary - 20' Hose	Portable - 20' Hose	
Pump	304	304	
Follower Plate	966	966	
Drum Cover	1938	1938	
Delivery Hose	874 000 (20')	874 000 (20')	
Grease Handle	413 077	413 077	
Grease Handle Swivel	1105 (z-swivel)	1105 (z-swivel)	
Quick Air Nipple 1/4"	930F04	930F04	
Quick Air Coupler 1/4"	933M04	933M04	
1/4" Mini F/R w/Gauge	955	955	
Standard Duty Platform Cart		1307	

#### Accessories

#### Air System Management & Accessories

#### Filter Regulator



955	1/4" Mini piggyback F/R w/gauge
995	1/4" Mini F/R/L combo

#### Coupler & Nipple



930F04	Coupler 1/4" (F)
933M04	Nipple 1/4" (M)

#### Ball Valve



**2013** 1/4" (F) LP Ball Valve

#### **Bung Adaptor**



2028	Bung adaptor for PM3 55:1
244 901	Weather seal for bung adaptor for PM3 55:1

Technical specifications are subject to change without prior notice

#### **Drum Covers**



1934	35 lb Pail cover
1936	120 lb Keg cover
1938	400 lb Drum cover

#### **Follower Plates**



962	35 lb Follower plate
964	120 lb Follower plate
966	400 lb Follower plate

47

# **GREASE PUMPS:** PUMPMASTER 35 – 60:1





#### High Pressure Heavy-Duty pump

Double acting air operated heavy-duty pumps that combine high pressure (60:1 ratio) and volume delivery. Recommended pump to deliver high viscosity greases in medium length systems that include multiple dispense points.

Pumps are available with three different suction tube lengths: 35 lb, 120 lb and 400 lb. Pumps include a height adjustable 2" bung adaptor.

#### 3 1/4" air motor

Mechanically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

#### **Efficient air exhaust**

No ice forming, no stalling pump operation

#### Long life packings

Dual packing seals provides longer trouble free operation

#### **High quality materials**

Barrel, piston and foot valve are made of hardened, precision fitted ground steel for perfect seal and longer life

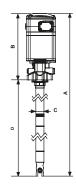
#### Cast iron pump body

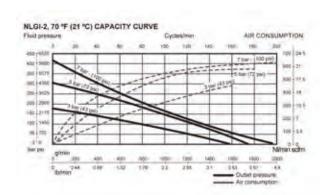
To withstand higher working pressures

# MARKETS SERVED

- Auto and truck dealers
- Fleet service facilities
- Mining and construction
- Lube trucks
- · Railroad and mass transit
- Marine
- Industrial

· Grease up to NLGI-2





IN(MM)	530 611	530 621	530 631
Α	47 3/4" (1,212)	40" (1,017)	31 1/2" (803)
В	11 1/4" (287)	11 1/4" (287)	11 1/4" (287)
С	1 2/3" (35)	1 2/3" (35)	1 2/3" (35)
D	36 1/2" (925)	28 3/4" (730)	20 1/4" (516)



# **GREASE PUMPS: PUMPMASTER 35 - 60:1**

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	60:1
Air pressure operating range	20 to 145 psi (1.5 to 10 bar)
Air consumption <sup>(2)</sup>	15.9 scfm (450 NI/min)
Maximum fluid outlet pressure	8,700 psi (600 bar)
Air motor diameter	3.25" (80 mm)
Air motor stroke	3.15" (80 mm)
Delivery at 80 cpm (1)	1.1 lb/min (500 g/min)
Maximum free flow delivery	2.6 lb/min (1,200 g/min)
Air inlet	3/8" NPT(F)
Fluid outlet	3/8" NPT(F)
Wetted materials	Cast Iron / Hard chromed steel / Steel / UHMWPE / NBR / PTFE / Viton®
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Manual	853 827

<sup>(1)</sup> Delivery at 80 cycles per minute.

<sup>(2)</sup> Air consumption at 70 psi (5 bar) air pressure, NLGI-2 grease at 68 °F (20 °C) and 80 cpm.

ORDER INFORMATION		
530 631	530 631 PM35 60:1 35 lb pail with bung adaptor	
530 621	PM35 60:1 120 lb keg with bung adaptor	
530 611	PM35 60:1 400 lb drum with bung adaptor	

#### **Hose Kit** High pressure hose connection kit for PumpMaster 35 60:1



901	
LP Hose 3/8" x 5'	813
HP Hose 3/8" x 5'	884
Quick Air Coupler 3/8" (F)	938F06
Quick Air Nipple 3/8" (M)	947M06
Swivel 3/8" (M/F)	1948

#### Drum Covers Follower Plate



1934	35 lb Pail cover
1936	120 lb Keg cover
1938	400 lb Drum cover

•	962	35 lb Follower plate
	964	120 lb Follower plate
	966	400 lb Follower plate

Technical si	pecifications	are sub	iect to	change	without	nrior	notice
160111110al 3	pecifications	arc sur	יוכטו נט	Change	withlout	prior	HOUGE

# PACKAGES: PUMPMASTER 35 - 60:1









#### **Pump Packages**

Package Part No.	402 201	333 201	335 201
Application	35 lb 13' Mobile	120 lb 15' Stationary	400 lb 20' Stationary
Pump	530 631	530 621	530 611
Drum Cover	1934	1936	1938
Follower Plate	962	964	966
Delivery Hose	873 000 (15')	873 000 (15')	874 000 (20')
Grease Handle	413 080	413 080	413 080
Quick Air Coupler 3/8"	930F06	930F06	930F06
Quick Air Nipple 3/8"	933M06	933M06	933M06
3/8" F/R Combo	957	957	957







#### **Pump Packages**

Package Part No.	333 241	335 261	311 001
Application	120 lb 15' Mobile	400 lb 20' Hose Mobile	400 lb 30' Hose Reel Mobile
Pump	530 621	530 611	530 611
Drum Cover	1936	1938	1938
Follower Plate	964	966	966
Delivery Hose	873 000 (15')	874 000 (20')	
Grease Handle	413 080	413 080	413 080
Quick Air Coupler 3/8"	930F06	935F06	935F06
Quick Air Nipple 3/8"	933M06	933M06	933M06
3/8" F/R Combo	957	957	957
Band Dolly	1304		
Cart		1307	1305
Hose Reel			1432 (30'x1/4")

Note: Pump packages include all hoses and adaptors required for connecting a pump to the air supply and dispense line. SAMSON does not provide wall mounting hardware (nuts, bolts, and anchors) for packages.

50

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# **PUMP PACKAGES:** LUBE TRUCKS





#### **Pump Packages**

#### PUMPMASTER 35 60:1 pump included

Package Part No.	336	338
Application	120 lb	400 lb
Pump	530 621	530 611
Drum Cover	1936	1938
Follower Plate	964	966
Connecting Hose Kit	901	901
Quick Air Coupler 3/8"	Included in kit 901	Included in kit 901
Quick Air Nipple 3/8"	Included in kit 901	Included in kit 901





#### Lube Truck Packages

#### PUMPMASTER 35 60:1 pump included

Package Part No.	333LT	335LT
Application	120 lb	400 lb
Pump	530 621	530 611
Drum Cover	418 017	418 026
Follower Plate	964	966
Connecting Hose Kit	901	901
Bung Converter	360 133	360 133
Hold Down Kit	2440	2450

Note: Pump packages include all hoses and adaptors required for connecting a pump to the air supply and dispense line. SAMSON does not provide wall mounting hardware (nuts, bolts, and anchors) for packages.

# **PACKAGES: INDUCTOR**





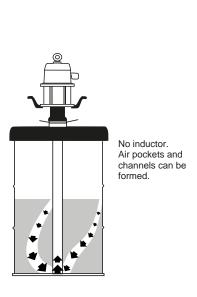
## **Inductor Package**

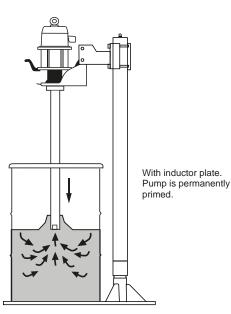
PumpMaster 35 grease pumps mounted onto a gravity fed follower plate and an air operated pump hoist for use with 400 lb drums.

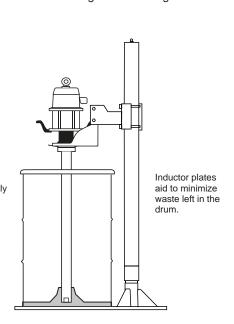
The air operated pump hoist lifts and lowers the pump, making drum changes easier, faster and safer. The pump lower end is rigidly fixed to a follower plate with a single rubber wiper. The weight of the pump, pump bracket and follower plate plus the atmospheric pressure push the assembly against the grease eliminating channeling and air pockets, keeping lubricant free from contaminants, minimizing waste and aiding pump priming.

Inductor packages include pump, air and grease connection hose kit, pump hoist with follower plate, pump adaptor kit.

ORDER INFORMATION				
534 611	PM35 60:1 Inductor Package - 400 lb Drum			
534 631	PM35 60:1 Inductor Package - 120 lb Keg			







#### **Recommended Accessories**

3	901	PM35 hose connection kit
å	957	FR combo 3/8" NPT(F)



399 101

Steel mounting plate for 400 lb drums, includes drum retainers.

Needs to be secured to the floor. Dimensions:

31 1/2" x 35 1/2" (800 x 900 mm) Drill hole size: L 17.6 x W 29.1



# **ACCESSORIES:** PUMPMASTER 35 – 60:1

1307

#### Accessories

#### Air System Management & Accessories

#### Filter Regulator



957	3/8" piggyback F/R w/gauge
984	3/8" F/R/L combo

#### Coupler & Nipple



930F06	Air Coupler 3/8" NPT(F)
933M06	Air Nipple 3/8" NPT(M)

#### Valve



2013	1/4" LP Ball valve
2088	1/2" LP Ball valve
2089	3/4" HP Ball valve
2077	1/2" HP Needle valve

#### **Bung Adaptor**



360 001	Bung adaptor for PM35 60:1
244 901	Weather seal for bung adaptor for PM3 55:1

#### **Connection Hose Kit**



Hose connection kit for PM35 60:1

#### Carts



Standard duty truck for 400 lb drum



1305 Heavy-duty 3 wheel platform truck for 400 lb drum

#### **Drum Covers**



1934	35 lb Pail cover
1936	120 lb Keg cover
1938	400 lb Drum cover

#### **Follower Plates**



	962	35 lb Follower plate		
)	964	120 lb Follower plate		
	966	400 lb Follower plate		

#### Lube Truck Hold Down Kits

Hold down kits secure drums and kegs to lube truck bed. Kits are designed for use with heavy-duty cover 418 026 (400 lb) and 418 017 (120 lb)



2440	Hold down kit - 120 lb/16 gal keg

2450

Hold down kit - 400 lb/55 gal keg

901

# **GREASE PUMPS:** PUMPMASTER 45 – 25:1





# Heavy-Duty Pressure Transfer Pump

Moderate pressure, high delivery, double acting, heavy-duty pumps for transfer of grease up to NLGI-2. Recommended to use with low consistency grease in centralized grease systems that do not require a high pressure outlet, and in large distribution systems of high viscosity oils.

Pump are available with tube length to fit commercial 400 lb drums. They can be flange cover mounted to 400 lb open drums.

#### 41/2" air motor

Mechanically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

#### **Efficient air exhaust**

No ice forming, no stalling pump operation

#### Long life packings

Dual packing seals provides longer trouble free operation

#### **High quality materials**

Low friction polyurethane seals, hard chromed steel fluid plunger and steel valves for fewer repairs

#### Cast iron pump body

To stand higher working pressures

#### **Double acting pump**

Double ball valve design provides even and smooth fluid flow

# MARKETS SERVED

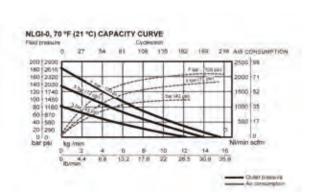
- Lube trucks
- · Mining and construction
- · Railroad and mass transit
- Industrial

# **FLUIDS HANDLED**

- Grease up to NLGI-2
- · High viscosity oils

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<u>*</u>	<b>V V V V V V V V V V</b>

IN(MM)	531 211
Α	53 1/4" (1.357)
В	19 3/4" (502)
С	2" (50)
D	33 1/2" (855)





# **GREASE PUMPS:** PUMPMASTER 45 – 25:1

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	25:1
Air pressure operating range	29 - 200 psi (2 - 14 bar)
Air consumption (1)	47 scfm (1.340 NI/min)
Maximum outlet pressure	5,000 psi (350 bar)
Air motor effective diameter	4 1/2" (115 mm)
Air motor stroke	4" (100 mm)
Continuous duty flow rate	13.5 lb/min (6 kg/min)
Maximum free flow	35.3 lb/min (16 kg/min)
Air inlet	1/2" NPT(F)
Fluid outlet	1/2" NPT(F)
Wetted materials	Cast Iron / Steel / Hard chromed steel / UHMWPE / NBR
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Manual	853 820

<sup>(1)</sup> Air consumption at 70 psi (5 bar) air pressure, NLGI-0 grease at 68 °F (20 °C) and 80 cpm.

#### **ORDER INFORMATION**

531 211

PM45 25:1 400 lb drum, flange mounted

#### **Hose Kit** High pressure hose connection kit for PumpMaster 45 25:1



#### 534 103

LP Hose 1/2" x 5'	823
HP Hose 3/8" x 5'	884
90° Swivel 1/2" x 1/2"	1981
Quick Air Coupler 1/2" (F)	947F08
Quick Air Nipple 1/2" (M)	947M08
Swivel 1/2" (M/F)	1980

#### **Drum Covers**



418 026

400 lb Heavy-duty drum cover PM45/60

#### **Follower Plate**



417 009

400 lb Heavy-duty follower plate PM45/60

# **GREASE PUMPS: PUMPMASTER 45**

-40:18 70:1





# Heavy-Duty High Flow/Pressure Pump

High flow double acting pumps with high pressure delivery for use in lubrication systems that require a combination of high flow and pressure delivery.

70:1 pressure ratio pumps are for use in applications requiring extra pressure output due to cold temperatures or when low air pressure could limit pump performance.

Both pumps can be used with grease up to NLGI-2 viscosity. They are available for cover mount to 120 lb and 400 lb open drums and for horizontal and side mount on grease totes, bags and tanks.

#### 41/2" air motor

Mechanically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

#### **Efficient air exhaust**

No ice forming, no stalling pump operation

#### Long life packings

Dual packing seals provides longer trouble free operation

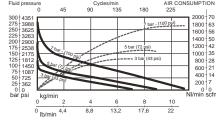
#### **High quality materials**

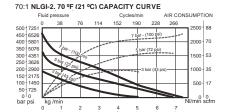
Hard chromed steel fluid plunger and steel valves and cast iron pump body for fewer repairs

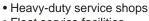
#### Cast iron pump body

To stand higher working pressures

#### 40:1 NLGI-2. 70 °F (21 °C) CAPACITY CURVE

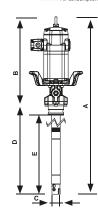






- Fleet service facilities
- Lube trucks
- Mining and construction
- Railroad and mass transit
- Industrial
- Marine

• Grease up to NLGI-2



IN (MM)	531 411	531 421	531 431	531 711	531 721	531 731
А	53 1/4"	45 1/4"	38 3/4"	53 1/4"	45 1/4"	39"
	(1.357)	(1.152)	(992)	(1.357)	(1.152)	(992)
В	19 3/4"	19 3/4"	19 3/4"	19 3/4"	19 3/4"	19 3/4"
	(502)	(502)	(502)	(502)	(502)	(502)
С	2" (50)	2" (50)	2" (50)	2" (50)	2" (50)	2" (50)
D	33 1/2"	25 1/2"	19"	33 1/2"	25 1/2"	19 1/4"
	(855)	(650)	(490)	(855)	(650)	(490)
Е	-	-	16" (410)	-	-	16 1/4" (410)

**MARKETS SERVED** 



# **GREASE PUMPS:** PUMPMASTER 45 – 40:1 8 70:1

#### **TECHNICAL SPECIFICATIONS**

Pump Ratio	40:1	70:1	
Air pressure operating range	29 - 200 psi (2 - 14 bar)	29 -100 psi (2 - 7 bar)	
Air consumption (1)	26.5 scfm (750 NI/min)	33 scfm (925 NI/min)	
Maximum outlet pressure	6,000 psi (412 bar)	7,000 psi (490 bar)	
Air motor effective diameter	4 1/2" (115 mm)	4 1/2" (115 mm)	
Air motor stroke	4" (100 mm)	4" (100 mm)	
Continuous duty flow rate	7.5 lb/min (3.5 kg/min)	4.5 lb/min (2 kg/min)	
Maximum free flow	22 lb/min (11 kg/min)	16.5 lb/min (7.5 kg/min)	
Air inlet	1/2" NPT(F)	1/2" NPT(F)	
Fluid outlet	1/2" NPT(F)	1/2" NPT(F)	
Wetted materials	Cast Iron / Steel / Hard chromed steel / UHMW PE / NBR / PTFE	Cast Iron / Steel / Hard chromed steel / UHMW PE / NBR / PTFE	
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures		
Manual	853 814 853 815		

<sup>(1)</sup> Air consumption at 70 psi (5 bar) air pressure, NLGI-2 grease at 68 °F (20 °C) and 80 cpm.

	ORDER INFORMATION	
531 421	PM45 40:1 120 lb keg, flange mounted	
531 411	PM45 40:1 400 lb drum, flange mounted	
531 431*	PM45 40:1 Bulk Tote	
531 721	PM45 70:1 120 lb keg, flange mounted	
531 711	PM45 70:1 400 lb drum, flange mounted	
531 731*	PM45 70:1 Bulk Tote	

<sup>\*</sup> Includes adaptor 753 110 to fit a 3" cam-lock connector for use with totes, grease bags and tanks.

**Hose Kit** High pressure hose connection kit for PumpMaster 45 40:1 8 70:1



#### 534 103

LP Hose 1/2" x 5'	823
HP Hose 3/8" x 5'	884
90° Swivel 1/2" x 1/2"	1981
Quick Air Coupler 1/2" (F)	947F08
Quick Air Nipple 1/2" (M)	947M08
Swivel 1/2" (M/F)	1980

#### **Drum Covers**

	418 017	120 lb Keg cover PM45/60
	418 026	400 lb Heavy-duty drum cover PM45/60
3	753 110	3" Cam adaptor PM45

#### **Follower Plate**

417 011	120 lb Heavy-duty follower plate PM45/60
417 009	400 lb Heavy-duty follower plate PM45/60

# **GREASE PUMPS:** PUMPMASTER 60 – 12:1





# Heavy-Duty Volume Transfer Pumps

Moderate pressure, very high volume double acting grease pump for use in transfer applications. These pumps can be used with all types of grease up to NLGI-2.

Pumps are available for horizontal mounting on grease totes and grease bags and they include an adaptor to fit a 3" cam-lock adaptor. They can be used with 400 lb (185 kg) drums when mounted to an air operated inductor plate.

#### 6" air motor

Mechanically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

#### **Efficient air exhaust**

No ice forming, no stalling pump operation

#### Long life packings

Dual packing seals provides longer trouble free operation

#### **High quality materials**

Low friction polyurethane and UHMWPE seals, hard chromed steel fluid plunger and steel valves for fewer repairs

#### Cast iron pump body

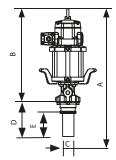
To withstand higher working pressures and rugged working environments

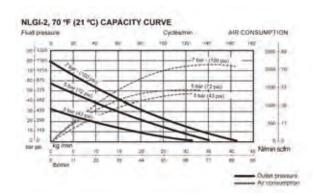
**MARKETS SERVED** 

**FLUIDS HANDLED** 

- Mining and construction
- Lube trucks
- · Railroad and mass transit
- Industrial

· Grease up to NLGI-2





IN(MM)	532 131	IN(MM)	532 131
Α	29" (742)	D	9" (226)
В	20" (516)	Е	5 3/4" (146)
С	2 3/4" (70)		



# **GREASE PUMPS:** PUMPMASTER 60 – 12:1

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	12:1
Air pressure operating range	20 - 150 psi (1.5 - 10.3 bar)
Air consumption (1)	39 scfm (1.100 NI/min)
Maximum outlet pressure	1,800 psi - 125 bar
Air motor effective diameter	6" (150 mm)
Air motor stroke	4" (100 mm)
Continuous duty flow rate	33 lb/min (15 kg/min)
Maximum free flow	88 lb/min (40 kg/min)
Air inlet	1/2" NPT(F)
Fluid outlet	1" NPT(F)
Wetted materials	Cast Iron / Steel / Hard chromed steel / UHMWPE / NBR / PTFE / Polyurethane
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Manual	853 816

<sup>(1)</sup> Air consumption at 70 psi (5 bar) air pressure, NLGI-2 grease at 68 °F (20 °C) and 60 cpm.

#### ORDER INFORMATION

532 131 PM60 12:1 Bulk Tote with 3" (M) cam-lock fitting

Includes adaptor 753 110 to fit a 3" cam-lock connector for use with totes, grease bags and tanks.

#### **Hose Kit** High pressure hose connection kit for PumpMaster 60 12:1 only



## 539 009 LP Hose 1/2" x 5'

LP Hose 1/2" x 5'	823
HP Hose 1" x 5'	863
Quick Air Coupler 1/2" NPT(F)	947F08
Ouick Air Nipple 1" (M)	946M08

# **GREASE PUMPS:** PUMPMASTER 60 – 80:1





## Heavy-Duty High Performance Pump

Very high pressure and high volume delivery double acting pump for use in applications that require extra pressure and volume output or where cold temperatures could limit pump performance. Pumps can be used with grease up to NLGI-2 viscosity.

Pumps are available for cover mount to 120 lb and 400 lb open drum.

#### 6" Air motor

Mechanically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

#### Efficient air exhaust

No ice forming, no stalling pump operation

#### Long life packings

Dual packing seals provides longer trouble free operation

#### **High quality materials**

Hard chromed steel fluid plunger and steel valves and cast iron pump body for fewer repairs

#### Cast iron pump body

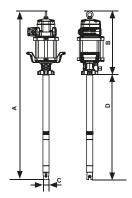
To stand higher working pressures and rugged work environments

# MARKETS SERVED

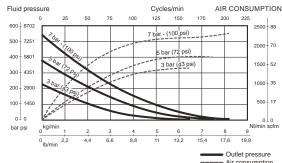
#### Mining and construction

- Railroad and mass transit maintenance
- Industrial
- · Lube trucks
- Fleets

· Grease up to NLGI-2



NLGI-2, 70 °F (	21 °C) CAPACITY	CURVE
Eluid proceuro		Cyclos/mi



IN(MM)	532 811	532 821	IN(MM)	532 811	532 821
Α	53 1/2" (1.371)	45 1/2" (1.166)	С	2" (50)	2" (50)
В	20" (516)	20" (516)	D	33 1/2" (855)	25 1/2" (650)

FLUIDS HANDLED



# **GREASE PUMPS:** PUMPMASTER 60 – 80:1

#### **TECHNICAL SPECIFICATIONS**

Pump ratio	80:1
Air pressure operating range	20 - 100 psi (1.5 - 7 bar)
Air consumption (1)	35 scfm (1.000 NI/min)
Maximum outlet pressure	8,000 psi (560 bar)
Air motor effective diameter	6" (150 mm)
Air motor stroke	4" (100 mm)
Continuous duty flow rate	5.5 lb/min (2.5 kg/min)
Maximum free flow	17.6 lb/min (8 kg/min)
Air inlet	1/2" NPT(F)
Fluid outlet	1/2" NPT(F)
Wetted materials	Cast Iron / Steel / Hard chromed steel / UHMW PE / NBR / PTFE
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Manual	853 819

<sup>(1)</sup> Air consumption at 70 bar (5 bar) air pressure, NLGI-2 grease at 68 °F (20 °C) and 60 cpm.

	ORDER INFORMATION
532 821	PM60 80:1 120 lb keg, flange mounted
532 811	PM60 80:1 400 lb drum, flange mounted

#### **Hose Kit** High pressure hose connection kit for PumpMaster 60 80:1



534 103	
LP Hose 1/2" x 5'	823
HP Hose 3/8" x 5'	884
90° Swivel 1/2" x 1/2"	1981
Quick Air Coupler 1/2" (F)	947F08
Quick Air Nipple 1/2" (M)	947M08
Swivel 1/2" (M/F)	1980

#### **Drum Covers**



418 017	120 lb Keg cover PM45/60	
418 026	400 lb Heavy-duty drum cover	

#### **Follower Plate**



120 lb Heavy-duty follower plate
PM45/60

417 009 400 lb Heavy-duty follower plate PM45/60

Technical specifications are subject to change without prior notice

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417 011

# **PACKAGES:** PUMPMASTER 45 & 60









40:1 Pump Packages

PumpMaster 45 for 120 lb 6 400 lb drums, totes and grease bins

Package Part No.	534 420	534 410	534 440	534 441
Application	120 lb	400 lb	Tank Side Mount	Tank Horizontal Mount
Pump	531 421	531 411	531 411	531 431
Cover	418 017	418 026		
Follower Plate	417 011	417 009		
Connecting Hose Kit	534 103	534 103	534 103	534 103
Cam-lock Female			950 358	950 358
Cam-lock Male			753 110	Included w/pump

70:1 Pump Packages

PumpMaster 45 for 120 lb & 400 lb drums, totes and grease bins

Package Part No.	534 720	534 710	534 740	534 741
Application	120 lb	400 lb	Tank Side Mount	Tank Horizontal Mount
Pump	531 721	531 711	531 711	531 731
Cover	418 017	418 026		
Follower Plate	417 011	417 009		
Connecting Hose Kit	534 103	534 103	534 103	534 103
Cam-lock Female			950 358	950 358
Cam-lock Male			753 110	Included w/pump







12:1 & 80:1 Packages

PumpMaster 45 for 120 lb & 400 lb drums, totes and grease bins

Package Part No.	534 810	534 840	534 141
Application	80:1 400 lb	80:1 Tank Side Mount	12:1 Tank Horizontal Mount
Pump	532 811	532 811	532 131
Cover	418 026		
Follower Plate	417 009		
Connecting Hose Kit	534 103	534 103	534 109
Cam-lock Female		950 358	950 358
Cam-lock Male		753 110	Included w/pump

Note: Pump packages include all hoses and adaptors required for connecting a pump to the air supply and dispense line. SAMSON does not provide wall mounting hardware (nuts, bolts, and anchors) for packages.

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# PACKAGES: PUMPMASTER 45 & 60



Lube Truck Packages

**120 lb Drum** PumpMaster 45 40:1 & 70:1 & PumpMaster 60 80:1 packages for lube tucks

Package Part No.	531 421L	531 721L	532 821L
Application	40:1	70:1	80:1
Pump	531 421	531 721	532 821
Cover	418 017	418 017	418 017
Follower Plate	417 011	417 011	417 011
Connecting Hose Kit	534 103	534 103	534 103
Hold down Kit 120 lb	2440	2440	2440

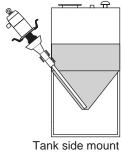


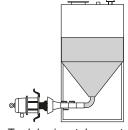
**Lube Truck Packages** 

**400 lb Drum** PumpMaster 45 40:1 & 70:1 & PumpMaster 60 80:1 packages for lube tucks

Package Part No.	531 411L	531 711L	532 811L
Application	40:1	70:1	80:1
Pump	531 411	531 711	532 811
Cover	418 026	418 026	418 026
Follower Plate	417 009	417 009	417 009
Connecting Hose Kit	534 103	534 103	534 103
Hold down Kit 120 lb	2450	2450	2450







Tank horizontal mount

## **PACKAGES: PUMPMASTER 45**





## Gravity Inductor & Pump Packages for 400 lb Drum

PumpMaster 45 grease pumps mounted onto a gravity fed follower plate and an air operated pump hoist for use with 400 lb drums.

The air operated pump hoist lifts and lowers the pump, making drum changes easier, faster and safer. The pump lower end is rigidly fixed to a follower plate with a single rubber wiper. The weight of the pump, pump bracket and follower plate plus the atmospheric pressure push the assembly against the grease eliminating channeling and air pockets, keeping lubricant free from contaminants, minimizing waste and aiding pump priming.

Inductor packages include pump, air and grease connection hose kit, pump hoist with follower plate, pump adaptor kit.

ORDER INFORMATION		
534 411	PM45 40:1 Inductor Package	
534 711	PM45 70:1 Inductor Package	

#### **Recommended Accessories**





Steel mounting plate for 400 lb drums, includes drum retainers.

Needs to be secured to the floor.

Dimensions: 31 1/2" x 35 1/2" (800 x 900 mm)

Drill hole size: L 17.6 x W 29.1



#### Hoist Lift

Maximum utility air operated hoist lifts and lowers pump, making drum changes easier, faster and safer. Hoist arm adjusts to fit different pump heights and swings a full 360°, serving one or more pumps. It can be used with 400 lb and 120 lb drums.

#### **ORDER INFORMATION**

391 022

Pump Lift for PM45/60



# **PACKAGES:** PUMPMASTER 45 & 60

# Pneumatic Inductor & Pump Packages for 400 lb Drums

PumpMaster 45 and PumpMaster 60 grease pumps mounted onto an air operated inductor plate for use with high viscosity, hard to pump greases directly from 400 lb drums.

When the double lip inductor plate is attached to the lower end of the pump tube, it exerts pneumatic, weight and atmospheric pressure on the material forcing pump priming. The inductor plate also serves as protection against contaminants and eliminates material waste.



#### **Automatic Power Ram**

- · On/Off control of the pump
- Up/Down control of the ram for easy drum exchange
- Two independent air pressure regulators, one for the pump and one for the power ram cylinders
- Pump / Ram independent air pressure gauge
- · Automatic empty drum pump shut-off safety feature
- Automatic vacuum release
- Pump air connection accessories

	ORDER INFORMATION
534 421	PM45 40:1 Automatic Pneumatic Inductor Package
534 721	PM45 70:1 Automatic Pneumatic Inductor Package
534 121	PM60 12:1 Automatic Pneumatic Inductor Package
534 821	PM60 80:1 Automatic Pneumatic Inductor Package

# 38 1/2" (380) / PAISED 88" (2.230) / PAISED 88" (2.

#### 

## **PACKAGES:** PUMPMASTER 60 3:1





## High Volume Grease Transfer Package

3:1 pressure ratio pump with a PM60 air motor for very high volume of grease through short hoses with a minimum ID of 1 1/2". Pump is mounted to an air operated double post inductor allowing the end user to empty 400 lb drum in less than three minutes (NLGI-2 grease at 70°F, 100 psi air inlet pressure and a 2" delivery hose).

The air operated inductor includes a follower plate with double Buna-N lip seals, guide rods, drum retainers, controls for lowering and raising the follower plate with pressure regulator, and a valve for manually releasing the vacuum when the follower plate is removed from an empty drum. Pump air connection accessories are not included.

#### 6" air motor

Mechanically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

#### **Efficient air exhaust**

No ice forming, no stalling pump operation

#### Long life packings

Dual packing seals provides longer trouble free operation

#### Pump mounted on air operated inductor plate.

Aids pump prime, eliminates air pockets, facilitates the replacement of an empty drum

#### ORDER INFORMATION

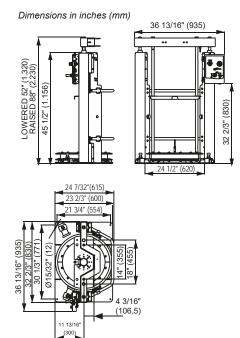
534 321 PM60 3:1 High Volume Grease Transfer Package

SAMSON recommends using an air filter and air pressure regulator at the pump air inlet. Use 1/2" air accessories to obtain pump maximum performance. For higher delivery, always use the shortest possible delivery hose with the largest I.D. possible.

#### TECHNICAL SPECIFICATIONS

TECHNICAL SI ECH ICATIONS	
Pump ratio	3:1
Air pressure operating range	20 - 150 psi (1.5 - 10.3 bar)
Air consumption (1)	44 scfm (1.250 NI/min)
Maximum outlet pressure	450 psi (31 bar)
Air motor effective diameter	6" (150 mm)
Air motor stroke	4" (100 mm)
Maximum free flow	330 lb/min (150 Kg/min)
Continuous duty flow rate at 80 cpm	132 lb/min (60 Kg/min)
Air inlet	1/2" NPT (F)
Fluid outlet	2" NPT (F)
Wetted materials	Steel / Hard chromed steel / Zinc plated steel / Aluminum / PTFE / NBR / FKM / PU / Nickel plated aluminum
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures

(1) Air consumption at 70 psi air pressure, NLGI-2 grease at 68 °F and 60 cpm.





# **ACCESSORIES: GREASE**

#### **Accessories**

#### Air System Management

Filter Regulator				
	955	1/4" Mini piggyback F/R w/gauge for use with PM3 pumps		
	957	3/8" Mini piggyback F/R w/gauge for use with PM35 pumps		
Ψ	958	1/2" Mini piggyback F/R w/gauge for use with PM45 & PM60 pumps		

#### Coupler & Nipple

·			
	930F04	Air coupler 1/4" (F) for use with PM3 pumps	
	930F06	Air coupler 3/8" (F) for use with PM35 pumps	
	938F08	Air coupler 1/2" (F) for use with PM45 & PM60 pumps	
Francis (	933M04	Air connector 1/4" (M) for use with PM3 pumps	
	933M06	Air connector 3/8" (M) for use with PM35 pumps	
	947M08	Air connector 1/2" (M) for use with PM45 & PM60 pumps	

#### **Ball Valve**

-8-	2013	1/4" LP Ball valve
	2088	1/2" LP Ball valve

#### **Ball Valve**

-	2074	1/2" MP Ball valve
	2090	1" MP Ball valve

#### Needle Valve



2077	1/2" HP Needle valve
2089	3/4" HP Needle valve
2093	1" HP Needle valve

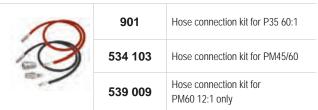
#### **Bung Adaptors**

2028	Bung adaptor for PM3 55:1
360 001	Bung adaptor for PM35 60:1
609 104	Bung adaptor for all PM45 grease pumps and PM60 80:1
244 901	Weather seal bung adaptor for PM3, PM35

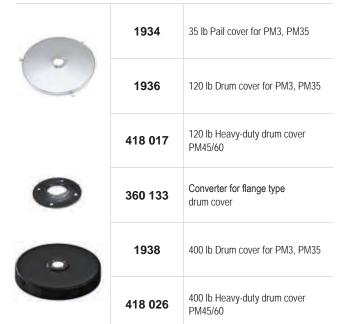
#### Cam-lock

	753 110	3" Cam-lock adaptor
A	950 358	3" Cam-lock connector

#### **Connection Hose Kit**



#### **Drum Covers**



# **ACCESSORIES:** GREASE



#### Accessories

# Follower Plates



962	35 lb Follower plate for PM3, PM35
964	120 lb Follower plate for PM3, PM35
417 011	120 lb Follower plate for PM45/60
966	400 lb Follower plate for PM 3/35
417 009	400 lb Follower plate for PM45/60

#### **Dollies**



	1302	Band dolly - 35 lb pail
•	1304	Band dolly - 120 lb keg
	1306	X-frame dolly - 400 lb drum

#### Carts



	1301	Two wheel cart for 35 lb pail & 120 lb keg
•	1303	Four wheel cart for 120 lb keg
2	1307	Standard duty truck for 400 lb drum
A	1305	Heavy-duty 3 wheel platform truck for 400 lb drum. Swivel wheel with locking bracket and two pneumatic tires
	1399	Mounting plate required for mounting a hose reel to truck 1305

#### **Lube Truck Hold Down Kits**

Hold down kits secure drums and kegs to lube truck bed. Kits are designed for use with heavy-duty cover 418 026 (400 lb) and 418 017 (120 lb)  $\,$ 



2440	Hold down kit for 120 lb/16 gal keg
2450	Hold down kit for 400 lb/55 gal drum



# **REPAIR KITS:** PUMPMASTER GREASE

PM3 55:1	Kit Number	Description	Model
	GK1	PM3 55:1 air motor	PM3 55:1
	GK2	PM3 55:1 throat seal	PM3 55:1
	GK3	PM3 55:1 check ball	PM3 55:1
000000000000000000000000000000000000000	GK4	PM3 55:1 foot valve	PM3 55:1
	GK5	PM3 55:1 HP piston/cyl	PM3 55:1

PM35 60:1	Kit Number	Description	Model
	539 505	PM35 spool kit	PM35 ALL
	534 601	PM35 60:1 lower seals kit	PM35 60:1
-60	534 602	PM35 60:1 lower valve kit	PM35 60:1
	534 603	PM35 60:1 upper valve kit	PM35 60:1
	534 604	PM35 60:1 pre-installed packing kit	PM35 60:1
	539 502	PM35 air motor kit	PM35 60:1
100 m	539 504	PM35 muffler kit	PM35 60:1

# **REPAIR KITS:** PUMPMASTER GREASE



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	Kit Number	Description	Model
	539 002	All PM45 models air motor seals kit	PM45 ALL
	539 005	PM45 muffler kit	PM45 ALL
	539 006	PM45 spool and seals kit	PM45 ALL
	534 200	PM45 25:1 lower seals kit	PM45 25:1
	534 201	PM45 25:1 lower valve kit	PM45 25:1
	534 202	PM45 25:1 upper valve kit	PM45 25:1
	534 400	PM45 40:1 lower seals kit	PM45 40:1
	534 401	PM45 40:1 lower valve kit	PM45 40:1
	534 402	PM45 40:1, 70:1 upper valve kit	PM45 40:1, 70:1
	534 700	PM45 70:1 lower seals kit	PM45 70:1
	534 701	PM45 70:1 lower valve kit	PM45 70:1

**PM60** 



Kit Number	Description	Model
539 005	PM45/60 muffler kit	PM60 ALL
539 006	PM45/60 spool and seals kit	PM60 ALL
539 007	PM60 air motor kit	PM60 ALL
534 100	PM60 12:1 lower seals kit	PM60 12:1
534 101	PM60 12:1 lower valve kit	PM60 12:1
534 102	PM60 12:1 upper valve kit	PM60 12:1
534 400	PM60 80:1 lower seals kit	PM60 80:1
534 401	PM60 80:1 lower valve kit	PM60 80:1
534 402	PM60 80:1 upper valve kit	PM60 80:1











DF50
1/2"
-, -

DF100 1"

DP200 1"

Pump delivery	14 gal/min (50 l/min)		28 gal/min (100 l/min)		53 gal/min (200 l/min)	
Body	Aluminum Polypropolyene		Aluminum Polypropolyene		Aluminum	Polypropolyene
Diaphragms	Buna-N	Hytrel®	Buna-N	Hytrel®	Buna-N	Hytrel®

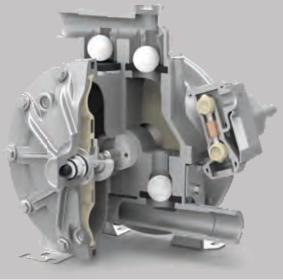
## **AIR OPERATED DIAPHRAGM PUMPS**

SAMSON Directflo® pumps are unique "inside-out" designed pumps, where the fluid is pumped through the center of the pump and compressed air acts on the outside surface of the diaphragms.

Important innovations were necessary to realize the central flow concept and, while developing  $\mathsf{Directflo}^{\$}$ , further innovations were made that built on the central flow concept. A few highlights are:

- Quick and Simple Maintenance
- Reduced Air Consumption
- Compact Design
- Smooth Running Less Pulsation
- Superior All-Round Pumping Performance
- Simple, Reliable & Durable





#### **FLUIDS HANDLED**

- Oils
- Glycol & antifreeze solutions
- Windshield wash
- · Hydraulic fluids
- Brake fluid
- Diesel
- DEF
- Water
- · Waste oil & waste antifreeze
- Other fluids











Technical specifications are subject to change without prior notice

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## **DIAPHRAGM PUMPS:** DF50 - 1/2" PORTED







## DF50 Pump 14 GAL/MIN

- Frictionless pivoting air valves
- Bolted cover design
- · Long life diaphragms
- In-line design

- · Quiet operation
- No pulsation
- · Smooth flow

Pump pressure ratio	1:1
Maximum free flow rate	14 gal/min (52 l/min)
Maximum suction lift	26' (8m)
Minimum air pressure	22 psi (1.5 bar)
Maximum air pressure	115 psi (8 bar)
Max size solid suspension	1/8" (3 mm)
Air inlet	3/8" NPS(F)
Fluid outlet	1/2" NPT(F) / 1/2" BSPP (552 164A)
Fluid inlet	1/2" NPT(F) / 1/2" BSPP (552 164A) 3/8" NPT(F) x2 Dual inlet pump (552 124)
Wetted materials	Polypropylene, Buna-N, Hytrel, Aluminum, Stainless steel, Acetal
Mounting Footprint	4 9/64" x 4 9/64"
Manual	855 822

#### **MARKETS SERVED**

- Car and truck dealers
- Service shops
- Industrial
- Agriculture

#### **FLUIDS HANDLED**

- Antifreeze and antifreeze solutions (AF)
- DFF
- Windshield wash solutions (WWS)
- Lubricants (L)
- · Waste fluid (WF)
- Waste oil (WO)

Fluid pressure	AIR CONSUMPTION
8 T 126	20 Psh 400 I 14.12
7 100 Php.	
6 - 87 - 87 - 87 - 87 - 87 - 87 - 87 - 8	9 D 9 Q P 10.59
	250 + 8.83
4 58 400 50 20	4 Vol. 200 - 7.06
3 43.5	150 + 5.30
2 29 30 30 30 30 30 30 30 30 30 30 30 30 30	100 - 3.53
1 14.5	50 - 1.77
010	010
barpsi gal/min	Nl/min SCFM
Flow 0 2.84 5.28 7.30	3 10.57 13.21 15.85 40 50 60
	Outlet pressure
(*) 2 bar test with a pump fitted with PTFE (	Teflon®) diaphragms.

Tested at room temperature, with water and flooded pump with 31.5" (800 mm) height of water above the pump inlet.

	ORDER INF	ORMATION	
Pump body	Diaphragms	Balls	

	Pump body	Diaphragms	Balls	Seats	Application
552 010	Aluminum	Hytrel®	Acetal	Stainless steel	L, AF, WF, WO
552 030	Aluminum	Buna-N	Buna-N	Stainless steel	L, WO
552 164	Polypropylene	Hytrel®	Hytrel®	Stainless steel	AF, WF, WWS

#### **BSPP FLUID PORTS** for use with DEF fluid

#### **DUAL INLET** for 1:1 ratio mixing with similar viscosities

552 124	Polypropylene	Hytrel®	Hytrel®	Stainless steel	AF, WS, WWS
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#### **362 920** Air Connection Kit

Air nipple 3/8" NPT(M)	933M06
Air coupler 1/4" NPT(F)	930F04
Air hose 1/4" x 5'	802
Air pressure regulator 1/4"	970
Connection adaptor 1/4" NPT(M)	2051
Air valve 1/4" NPT(F)	2013

Technical specifications are subject to change without prior notice



## **DIAPHRAGM PUMPS: DF100 - 1" PORTED**





## DF100 Pump 28 GAL/MIN

- Frictionless pivoting air valves
- Bolted cover design
- Long life diaphragms
- In-line design

- · Quiet operation
- No pulsation
- · Smooth flow

Pump pressure ratio	1:1
Maximum free flow rate	28 gal/min (100 l/min)
Maximum suction lift	23' (7 m)
Minimum air pressure	22 psi (1.5 bar)
Maximum air pressure	115 psi (8 bar)
Max size solid suspension	3/16" (4 mm)
Air inlet	3/8" NPS(F)
Fluid outlet	1" NPT(F) / 1" BSPP (551 164A)
Fluid inlet	1" NPT(F) / 1" BSPP (551 164A)
Wetted materials	Polypropylene, Buna-N, Hytrel, Aluminum, Stainless steel, Acetal
Mounting Footprint	Poly 8 1/2" x 8 37/64" Metal 8 1/2" x 6 19/64"
Manual	855 822

#### **MARKETS SERVED**

- Car and truck dealers
- Service shops
- Industrial
- Agriculture
- · Lube trucks

#### **FLUIDS HANDLED**

- Antifreeze and antifreeze solutions (AF)
- DFF
- Windshield wash solutions (WWS)
- Lubricants (L)
- Waste fluid (WF)
- Waste oil (WO)

Fluid pressure	AIR CONSUMPTION
8 T 126	500 - 17.65
7 100	450-15.89
6 87 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	400-14.12
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	350 12.36
5 72.5 4 58	300-10.59
4 58 7 50	250-8.83
3 43.5	200 - 7.06
2 29 20 20 20 20 20 20 20 20 20 20 20 20 20	150-5.30
700-	100 +3.53
1 14.5	50-1.77
	0_0
bar psi	Nl/min SCFM
Flow 0 6.60 13,21 19,81 26,4	11 gal/min
0 25 50 75 10	) l/min

#### **ORDER INFORMATION**

	Pump body	Diaphragms	Balls	Seats	Application
551 010	Aluminum	Hytrel®	Acetal	Stainless steel	L, AF, WF
551 030	Aluminum	Buna-N	Buna-N	Stainless steel	L, WO
551 164	Polypropylene	Hytrel®	Hytrel®	Stainless steel	AF, WWS, WF

#### BSPP FLUID PORTS for use with DEF fluid

551 164A	Polypropylene	Hytrel®	Hytrel <sup>®</sup>	Stainless steel	DEF
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#### 362 920 Air Connection Kit

1	Air nipple 3/8" NPT(M)	933M06
	Air coupler 1/4" NPT(F)	930F04
	Air hose 1/4" x 5'	802
	Air pressure regulator 1/4"	970
	Connection adaptor 1/4" NPT(M)	2051
	Air valve 1/4" NPT(F)	2013

## **DIAPHRAGM PUMPS:** DP200 - 1" PORTED







## DP200 Pump 53 GAL/MIN

- Frictionless pivoting air valves
- · Bolted cover design
- · Long life diaphragms
- In-line design

- · Quiet operation
- · No pulsation
- · Smooth flow

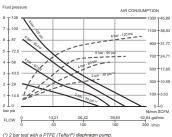
Pump ratio	1:1
Maximum free delivery	53 gal/min (200 l/min)
Maximum suction lift	26' (8 m)
Minimum air pressure	22 (1.5 bar)
Maximum air pressure	115 psi (8 bar)
Max size solid suspension	1/4" (6 mm)
Air inlet	3/8" NSP(F)
Fluid outlet	1" NPT(F) (555 030) 1" ANSI B16.5 150 lb flange (555 164)
Wetted materials	Aluminum, Hytrel, Acetal, Buna-N, Polypropolene
Mounting Footprint	Poly 6 1/16" x 6 57/64" Metal 5 25/64" x 5 33/64"
Manual	855 834

#### **MARKETS SERVED**

- Car and truck dealers
- Service shops
- Industrial
- Agriculture
- Lube trucks
- Mining and construction
- Railroad and mass transit

#### **FLUIDS HANDLED**

- Antifreeze and antifreeze solutions (AF)
- DEF
- Lubricants (L)
- Waste oil (WO)
- Waste fluid (WF)
- Diesel (D)
- Windshield wash solutions (WWS)



Tested at room temperature, with water and flooded pump with 31.5" (800 mm) height of water above the pump inlet.

#### **ORDER INFORMATION**

ONDER INFORMATION						
	Pump body	Diaphragms	Balls	Seats	Application	
NPT PORT for use with lubricants, diesel, waste oil evacuation and transfer						
555 030	Aluminum	Buna-N	Acetal	Buna-N	AF, D, L, WO, WF	
FLANGE PORT						
555 164	Polypropylene	Hytrel®	PTFE	Polypropylene	AF, WWS, WF, DEF	

#### FLANGE CONNECTION KIT

1940

Flange connection kit - for use with 555 164 Order 1 per pump - kit includes 2 flanges

#### 362 921 Air Connection Kit

Air nipple 3/8" NPT(M)	936M06
Air coupler 3/8" NPT(F)	935F06
Air hose 3/8" x 5'	815
Air pressure regulator 3/8"	973
Connection adaptor 3/8" NPT(M)	2035
Air valve 1/2" NPT(F)	2088

Technical specifications are subject to change without prior notice



## **DIAPHRAGM PUMPS:** DF250 - 1 1/2" PORTED



## DF250 Pump 66 GAL/MIN

- Frictionless pivoting air valves
- · Bolted cover design
- · Long life diaphragms
- In-line design

- · Quiet operation
- No pulsation
- · Smooth flow

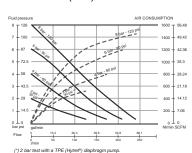
Pump pressure ratio	1:1
Maximum Free Flow Rate	66 gal/min (250 l/min)
Maximum Suction Lift	26' (8 m)
Minimum Air Pressure	22 psi (1.5 bar)
Maximum Air Pressure	115 psi (8 bar)
Max Size Solid Suspension	1/4" (6 mm)
Air Inlet	1/2" NPSM(F)
Fluid Outlet	1 1/2" NPT(F) & ANSI 1" B16.5 150 lb flange
Fluid Inlet	1 1/2" NPT(F) & ANSI 1" B16.5 150 lb flange
Wetted Materials	Aluminum, Buna-N, Stainless Steel
Mounting Footprint	11 1/32" x 8 21/32"
Manual	855 829

#### **MARKETS SERVED**

- Car and truck dealers
- Service shops
- Industrial
- Agriculture
- Lube trucks

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- Lubricants (L)
- Waste oil (WO)
- Antifreeze and antifreeze solutions (AF)
- Diesel (D)
- · Waste fluid (WF)



Tested at room temperature, with water and flooded pump with 31.5" (800 mm) height of water above the pump inlet.

### **ORDER INFORMATION**

	Pump body	Diaphragms	Balls	Seats	Application
554 030	Aluminum	Buna-N	Buna-N	Stainless steel	L, AF, WO, D, WF

#### 362 920 Air Connection Kit



936M08
935F06
815
973
2035
2088

## **DIAPHRAGM PUMPS:** UP20 - 2" PORTED





## UP20 Pump 160 GAL/MIN

- Frictionless pivoting air valves
- · Bolted cover design
- · Long life diaphragms
- Conventional flow design combined with unique pivoting air valve, fast action air valve for increased delivery and reliable performance.
- For very large volume transfer, de-watering and fluid evacuation

Pump ratio	1:1
Maximum free delivery	160 gal/min (600 l/min)
Maximum suction lift	26' (8 m)
Minimum air pressure	115 psi (8 bar)
Maximum air pressure	22 psi (1.5 bar)
Max size solid suspension	1/4" (6 mm)
Air inlet	3/4" NPT(F)
Fluid outlet/outlet	2" NPT(F)
Wetted materials	Aluminum, Hytrel®, Viton®
Mounting Footprint	10" x 8 13/16"
Manual	

#### **MARKETS SERVED**

- Industrial
- Mining and construction
- · Railroad and mass transit
- Agricultural

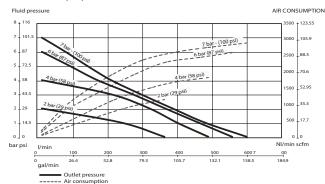
ORDER INFORMATION						
	Pump body	Diaphragms	Balls	Seats	Application	
554 510	Aluminum	Hytrel®	Hytrel®	Hytrel®	L, AF, WF, WO, D	

#### **FLUIDS HANDLED**

- Antifreeze and antifreeze solutions (AF)
- · Lubricants (L)
- · Waste oil (WO)
- · Waste fluid (WF)
- Diesel (D)

#### PERFORMANCE CURVES

Tested at room temperature, with water and flooded pump with 800 mm (31 1/2") height of water above the pump inlet



Technical specifications are subject to change without prior notice



## **DIAPHRAGM PUMPS: CLASSICFLO**



Conventional air operated diaphragm pumps move the fluid around the outside of the diaphragm and compressed air acts on the inside surface of the diaphragms.

#### **TECHNICAL SPECIFICATIONS**

Pump Pressure Ratio	1:1
Maximum Free Flow Rate	40 gal/min (150 l/min)
Minimum Air Pressure	21 psi (1.4 bar)
Maximum Air Pressure	70 psi (5 bar)
Max Size Solid Suspension	3/16" (4 mm)
Air Inlet	3/8" NPT(F)
Fluid Outlet	1" NPT(F)
Fluid Inlet	1" NPT(F)
Wetted Materials	Aluminum, NBR
Manual	M002836

ORDER INFORMATION				
Pump body Diaphragms Balls Application				
2836	Aluminum	Buna-N	Buna-N	L, WF

## 2835 Aluminum Pump 46 GAL/MIN 1" Ported

Conventional air operated diaphragm pumps move the fluid around the outside of the pump and compressed air acts on the inside face of the diaphragms.

#### **TECHNICAL SPECIFICATIONS**

Pump Pressure Ratio	1:1
Maximum Free Flow Rate	46 gal/min (175 l/min)
Minimum Air Pressure	21 psi (1.4 bar)
Maximum Air Pressure	100 psi (7 bar)
Max Size Solid Suspension	3/16" (4 mm)
Air Inlet	3/8" NPT(F)
Fluid Outlet	1" NPT(F)
Fluid Inlet	1" NPT(F)
Wetted Materials	Aluminum, NBR
Manual	M00191

ORDER INFORMATION				
	Pump body	Diaphragms	Balls	Application
2835	Aluminum	Buna-N	Buna-N	L, WF, Water, Diesel



· Oils (L)

**FLUIDS HANDLED** 

- · Waste oil (WO)
- Antifreeze (AF)



- Oils (L)
- Diesel (D)
- Water (W)
- Waste oil (WO)
- Antifreeze (AF)

## **DIRECTFLO PUMP PACKAGES**









DF Pump Packages

for pure and pre-mixed antifreeze and pre-mixed windshield wash

Package Part No.	379 004	379 005	379 007
Application	1/2" - 14 gal/min	1" - 28 gal/min	1/2" - 14 gal/min
Pump Type	DF 50	DF 100	DF 50
Pump	552 164	551 164	552 124
Wall bracket	360 100	360 101	360 100
Air connection kit	362 920	362 920	362 920
Suction kit	367 020	367 021	2508 (2 pcs)
Fluid connection hose	823 000 (5' x 1/2")	863 (5' x 1")	863 (5' x 1")
Pressure relief kit	107 008	107 016	107 008





DF Pump Packages

oil dispense packages-aluminum with Buna-N diaphragms

Package Part No.	379 008	379 009
Application	1" - 28 gal/min	1" - 53 gal/min
Pump Type	DF 100	DP 200
Pump	551 030	555 030
Wall bracket	360 101	360 142
Air connection kit	362 920	362 921
Suction kit	367 005	367 007
Fluid connection hose	863 (5' x 1")	863 (5' x 1")
Pressure relief kit	107 016	107 016



## **DIAPHRAGM PUMPS:** ELECTRIC PUMPS

## Electric Diaphragm 115 VAC

Electric Diaphragm pumps for use with windshield wash solution, antifreeze solution and DEF



#### **TECHNICAL SPECIFICATIONS**

Maximum delivery	8 gal/min
Maximum working pressure	23 psi
Inlet/Outlet ports	1" BSPP(M)
Voltage	115 VAC
Maximum current	2 amp
Motor protection	IP55 <sup>(1)</sup>
Accessories	60" power cord w/three prong plug and off/on switch
Manual	856 809

(1) IP55, valid for outdoor use

•	Windshield	wash	solution
	∆ntifreeze		

- Antifreeze
- DEF

**FLUIDS HANDLED** 

#### **ORDER INFORMATION**

560 215 Electric Diaphragm 115 VAC



## Electric Diaphragm 12 VDC

Electric Diaphragm pumps for use with windshield wash solution, antifreeze solution and DEF

#### **TECHNICAL SPECIFICATIONS**

Maximum delivery	8 gal/min
Maximum working pressure	23 psi
Inlet/Outlet ports	1" BSPP(M)
Voltage	12 VDC
Maximum current	13 amp
Motor protection	IP55 <sup>(1)</sup>
Accessories	60" power cord w/three prong plug and off/on switch
Manual	856 810

(1) IP55, valid for outdoor use

#### • Windshield wash solution

- Antifreeze
- DEF

#### **ORDER INFORMATION**

560 212 Electric Diaphragm 12 VDC

FLUIDS HANDLED

www.samsoncorporation.com

## **DIAPHRAGM PUMPS: ACCESSORIES**



#### Accessories

#### Air Connection Kit

Includes: Air nipple, air coupler, air hose, air regulator, and air valve



#### **Air Exhaust Connection Kit**

()	558 405	Air exhaust connection kit 3/8"
0	558 338	Pump silencer. Includes air exhaust kit 558 405

#### Flange Connection Kit



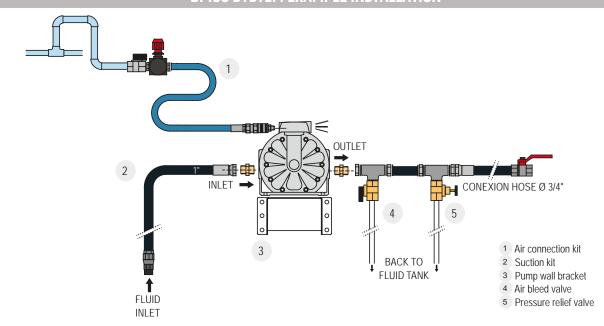
1940

Flange connection kit for DP200 poly pumps. Order 1 per pump, includes two flanges

#### **Suction Assemblies**

O	910	Lubricant suction kit for DF50/100
	367 007	Lubricant suction kit for DF200/250
7	367 020	Water based suction kit for DF50 60" x 1/2"
9	367 021	Water based suction kit for DF100/200 60" x 1"
	367 023	Waste fluid suction kit for DF100/200 60" x 1", Y-strainer, coupler
	367 024	Waste fluid suction kit with cam-lock connecter for DF100/200 60" x 1", Y-strainer, ball valve

## **DF100 SYSTEM EXAMPLE INSTALLATION**





## **DIAPHRAGM PUMPS:** ACCESSORIES

#### Accessories

#### **Brackets**

	360 100	Wall bracket for DF30/50
	360 101	Wall bracket for DF100
	360 142	Wall bracket for DP200
	360 131	Wall bracket for pumps 2835 and 2836
	360 137	Universal bracket with carrying handle for 16 gal only

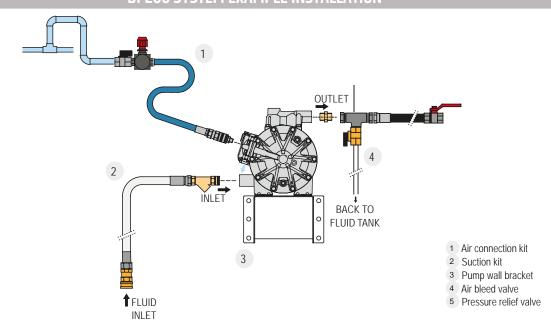
#### Valve - Air Bleeding



#### Valve - Pressure Relief

	107 008	1/2" Pressure relief valve for DF50
	107 016	1" Pressure relief valve for DF100, DP200, 2835 and 2836

## **DP200 SYSTEM EXAMPLE INSTALLATION**



Technical specifications are subject to change without prior notice

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## **DIAPHRAGM PUMPS: REPAIR KITS**



DF50

	Kit Number	Description	Model
	558300.300	Directional Valve	DF50 All
	558301	Air Sensor	DF50 All
	558303.001	Diaphragms (Hytrel)	DF50 All
	558303	Diaphragms (Hytrel) prior to 2/2013	DF50 All
	558321	Ball Kit (Acetal)	DF50-552 010
	558319	Ball Kit (PTFE)	DF50-552 124 & 552 164
	558315	Ball Valve/Seats/Cages (SS/Viton/Acetal)	DF50-552 010
	558316.001	Ball Valve/Seats/Cages (SS/Viton/Polypropylene)	DF50-552 124 & 552 164
558316 Ball Valve/Seats/Cago		Ball Valve/Seats/Cages (SS/Viton/Polypropylene) prior to 2/2013	DF50-552 124 & 552 164
	558304.001	Bushings/Seals/Shaft (NBR/PTFE/SS)	DF50-552 010
	558304	Bushings/Seals/Shaft (NBR/PTFE/SS) prior to 2/2013	DF50-552 010
	558307.001	Bushings/Seals/Shaft (NBR/Viton/SS)	DF50-552 124 & 552 164
	558307	Bushings/Seals/Shaft (NBR/Viton/SS) prior to 2/2013	DF50-552 124 & 552 164



	Kit Number	Description	Model
	558350.300	Directional Valve	DF100 All
	558301	Air Sensor	DF100 All
	558365	Ball Kit (Acetal)	DF100-551 010
	558364	Ball Kit (NBR)	DF100-551 030
	558363	Ball Kit (PTFE)	DF100-551 164
	558357	Ball Valve/Seats/Cages (SS/NBR/Acetal)	DF100-551 010 & 551 030
	558360.001	Ball Valve/Seats/Cages (SS/Viton/Polypropylene)	DF100-551 030
	558360	Ball Valve/Seats/Cages (SS/Viton/Polypropylene) prior to 2/2013	DF100-551 030
	558352.001	Bushings/Seals/Shaft (NBR/PTFE/SS)	DF100-551 010
	558352	Bushings/Seals/Shaft (NBR/PTFE/SS) prior to 2/2013	DF100-551 010
	558398.001	Bushings/Seals/Shaft (NBR/Viton/SS)	DF100-551 030
	558398	Bushings/Seals/Shaft (NBR/Viton/SS) prior to 2/2013	DF100-551 030
	558353.001	Bushings/Seals/Shaft (NBR/Viton/SS)	DF100-551 164
	558353	Bushings/Seals/Shaft (NBR/Viton/SS) prior to 2/2013	DF100-551 164
	558368.001	Diaphragms (Hytrel)	DF100 551 010 & 551 164
	558368	Diaphragms (Hytrel) prior to 2/2013	DF100 551 010 & 551 164
	558457.001	Diaphragms (NBR)	DF100-551 030
	558457	Diaphragms (NBR) prior to 2/2013	DF100-551 030

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Technical specifications are subject to change without prior notice



## **DIAPHRAGM PUMPS: REPAIR KITS**

DP200	Kit Number	Description	Model
Y \$ 1 7	558 525	Directional Valve	DP200 ALL
<b>A</b>	558 554	Push Rod Repair Kit (SS/NBR)	DP200 555 010 & 555 030
00	558 558	Push Rod Repair Kit (SS/Viton)	DP200 555 555
	558 528	Ball Kit (POM)	DP200 555 010 & 555 030
0	558 529	Ball Kit (PTFE)	DP200 555 164
- Common	558 521	Diaphragms (Hytrel)	DP200 555 010 & 555 164
<b>*</b> =	558 561	Diaphragms (NBR)	DP200 555 030
-	558 544	Ball Valve/Seats/Cages (Poly/Viton)	DP200 555 164



Kit Number	Description	Model
558 500	Directional Valve	DF250 ALL
558 504	Ball Kit (PTFE)	DF250 ALL
558 508	Ball Valve/Seats/Cages (SS/PP/Viton)	DF250 ALL
558 544	Ball Valve/Seats/Cages (Poly/Viton)	DF250 ALL
558 514	Bushings/Seals/Shaft (POM/NBR/SS)	DF250 ALL
558 521	Diaphragms (Hytrel)	DF250 554 010
558 522	Diaphragms (NBR)	DF250 554 030

CLASSICFLO	Kit Number	Description	Model
GI.	2840		
53	K50MN	Fluid Suction	2840
	K45AM	Air Motor	2840
	2836		
	K25MN UL	Fluid Suction	2836
	K20/25AM	Air Motor	2836
	2835		
· 6	K25MN	Fluid Suction	2835
	K20/25AM	Air Motor	2835

## REELMASTER®





	506 Series	507 Series	1400 Series	504 Series
Fluids Handled	Air, AF, WW, DEF, Oil, HP Water, Grease, Evac	Air, AF, WW, DEF, Oil, Grease, Evac	Air, AF, WW, Water, Oil, Grease	Air, AF, Water, Oil, Grease
Length	20' - 50'	20' - 50'	30' - 40'	50'
Custom				4 colors available
Arm	Single		Double	Double
Standard Size Inlet	1/2"	1/2"	1/2"	1/2"

## **HOSE REELS**

SAMSON hose reels are used around the world and are designed to be premium quality hose reels. Hose reels are adaptable to wall, floor, tank, or ceiling mounting, individually or in banks. They are available for high, medium and low pressure applications. Different hose capacities are available for maximum flexibility to match specific needs. SAMSON hose reels are designed with non-restrictive fluid porting and the proper hose diameter for each application to provide the quickest material delivery.

SAMSON hose reels are spring-powered and self-retracting; a latch locks the reel at desired length and a slight pull releases the latch, the hose retracts smoothly on the reel. Hose guide arm can be placed in different positions to accommodate any method of mounting and allow the hose to be removed or retracted without kinking, reducing strain on hose and minimizing the possibility of hose damage and extending hose life.

#### **ADVANTAGES OF USING HOSE REELS**

- Increased productivity
- Reduced wear and increased life of hoses
- Simple hose handling and storage
- · Lower risk of accidents as hose reels eliminate trip hazards

#### **ALL SAMSON REELS HAVE**

- Superior power spring life. Special fatigue resistant steel spring guarantees long life and trouble free operation and provides even tension at every point, when pulling or retracting hose
- Heavy-duty ratchet, with large effective radial latching area for easier operation
- Metal arms, enclosures, base and spool are epoxy powder coated for increased wear resistance
- · SAMSON only uses high quality SAE hoses, specially formulated for use in hose reels with a wide range of fluids

SAMSON offers a wide range of brackets, racks, channels and stands for mounting hose reels. Fluid inlet hoses and ball stop are included with most SAMSON hose reels that come supplied with a dispense hose. (See specific hose reel guide) Shut off valves are recommended at the inlet to allow the isolation of each reel for servicing.





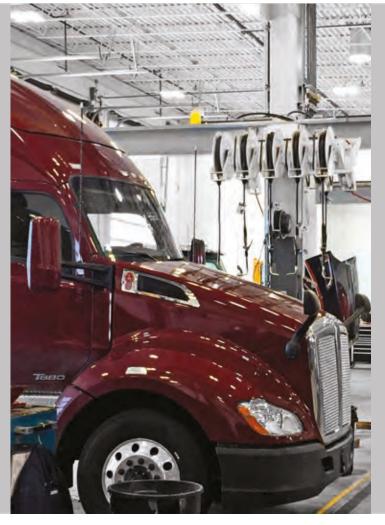
## **REELMASTER®**







	505 Series	508 Series	5085 Series	506EC Series	
Fluids Handled	Air, AF, Water, DEF, Diesel, Oil, Grease, Evac	Air, AF, WW, Water, Diesel, Oil, Evac	Air, Water, Diesel, LP Oil Transfer	Air, AF, WW, Water, Diesel, Grease	
Length	50' - 60'	50' - 100'	50'	30' - 50'	
Custom				4 colors available	
Arm	Double	Double	Double	Enclosed	
Standard Size Inlet	3/4"	1"	1 1/2"	1/2"	





Technical specifications are subject to change without prior notice

www.samsoncorporation.com

## **HOSE REELS:** 506 SERIES

## 50' Maximum hose capacity





### 506 Series: Single Arm Aluminum Hose Reel

Aluminum base and arms with composite spool hose reel. Reel can handle up to  $50' \times 1/2"$  hose.

#### Aluminum base and guide arm

Provide the rigidity to withstand the most demanding applications while offering a reduced weight, almost half the weight of a double arm steel reel, allowing for easy installation

#### **Fatigue resistant steel spring**

Offers years of durable performance and even load when pulling and recoiling the hose

#### Fully ported shaft and swivel

For improved flow

#### Spool mounted on two permanently lubricated and sealed ball bearings

To reduce torque load on spring for smooth retraction and longer life

#### Large latching area for easier operation

#### Six roller guide outlet

Prevents hose pinching and reduces friction

#### **Reducing Adaptor**

Low pressure reels with 3/8" hose come with a 3/8" x 1/4" reducing adaptor for use with hose accessories.

#### Hose guide arm can be placed in different positions

To accommodate any method of reel mounting

#### Hose reels with hose include 30" inlet hose and ball stop

#### Hose reels offer four mounting positions

May be mounted in floor, wall, ceiling and tank positions

#### Hose reels are delivered in the ceiling mount position

For reels delivered with arm in side mount position, add the suffix SM to the hose reel part number. i.e. 506 101SM





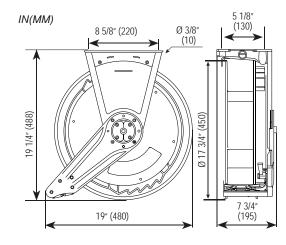
#### · Car and truck dealers

- Service shops
- Fleets
- General manufacturing
- Service stations
- Quick lubes

FLUIDS HANDLED

#### • Air

- \/\/ata
- · Antifreeze and windshield wash solutions
- High pressure hot water
- Synthetic and mineral oils
- DEF
- Grease



Technical specifications are subject to change without prior notice



# **HOSE REELS:** 506 SERIES 50' Maximum hose capacity

#### **TECHNICAL SPECIFICATIONS**

perating Temperature Range	
Air / Water / Antifreeze	-20°F to140° F (-20°C to 60°C)
Oil	-22°F to 194°F (-30 °C to 90°C)
Grease	-22°F to 194°F (-30 °C to 90°C)
DEF	-4°F to 140°F (-20°C to 60°C)
etted Parts	
Air / Water / Antifreeze	Brass, acetal, nitrile rubber
Oil	Steel, electro-less nickel plated steel, nitrile rubber
Grease	Steel, electro-less nickel plated steel, nitrile rubber, PTFE
DEF	Stainless steel, acetal, viton
eight without hose	24 lb (11 Kg)
anual	850 819
ntriout riose	( )

ORDER INFORMATION						
Part No.	Hose Length	Hose I.D.	Outlet Thread	Max. Working Pressure	Net Weight	Reel Only With Swivel Part No.
LOW PRESSURE A	AIR/WATER antifre	eze & windshield v	wash solutions – l	orass shaft and ac	etal swivel - inlet	1/2" NPT(F)
506 101	30'	3/8"	3/8" NPT(M)	300 psi	26.7 lb	506 912
506 121	50'	3/8"	3/8" NPT(M)	300 psi	31.3 lb	506 922
506 122	50'	1/2"	1/2" NPT(M)	300 psi	32.8 lb	506 922
LOW PRESSURE D	<b>DEF</b> stainless steel	shaft and acetal	swivel - inlet 1/2"	BSPP		
506 702	30'	1/2"	3/4" BSPP(M)	300 psi	28.7 lb	506 976
506 722	50'	1/2"	3/4" BSPP(M)	300 psi	34.1 lb	506 978
MEDIUM PRESSU	I <b>RE OILS</b> stainless :	steel shaft and sw	vivel - inlet 1/2" NF	PT(F)		
506 202	30'	1/2"	1/2" NPT(M)	2,000 psi	27.8 lb	506 920
506 222	50'	1/2"	1/2" NPT(M)	2,000 psi	32.8 lb	506 922
HIGH PRESSURE	WATER (UP TO 200	<sup>o</sup> F) stainless stee	l shaft and swivel	- inlet 1/2" NPT(F)		
506 421	50'	3/8"	3/8" NPT(M)	2,400 psi	33.3 lb	506 942
HIGH PRESSURE	<b>GREASE</b> steel shaf	t and swivel - inle	t 3/8" NPT(F)			
506 321	50'	3/8"	1/4" NPT(M)	4,000 psi	35.3 lb	506 936

#### MOUNTING BRACKET for use with 506 series hose reels in a bank. Nuts, screws and washers included.



360 114	Holds up to two reels. Dimensions: 21 1/2" x 12"
360 115	Holds up to three reels. Dimensions: 32 1/2" x 12"
360 117	Holds up to five reels. Dimensions: 54 1/2" x 12"
1390	Channel mounting bracket. Channels may be mounted from I-beams with use of channel mounting brackets (up to 9" flange). Order two brackets for the two and three reel channel and three brackets for the five reel channel

## **HOSE REELS:** 507 SERIES

## 50' Maximum hose capacity





Reel in Tank/wall mount position



#### Car and truck dealers

- Service shops
- Fleets
- General manufacturing
- Service stations
- Quick lubes

#### • Air

- Water
- Antifreeze and windshield wash solutions
- High pressure hot water
- Synthetic and mineral oils
- DEF
- Grease

#### 507 Series: Individually Enclosed Hose Reel

Aluminum enclosure with composite spool hose reels, can handle up to 50' x 1/2" hose.

#### **Corrosion resistant aluminum**

Enclosure forms a very rigid and stable structure, with light weight and an attractive design

#### **Aluminum enclosure and steel brackets**

Provide the rigidity to withstand the most demanding applications while offering a reduced weight for easy installation

#### Fatigue resistant steel spring

Offers years of durable performance and even load when pulling and recoiling the hose

#### Fully ported shaft and swivel

For improved flow

#### **Reducing Adaptor**

Low pressure reels with 3/8" hose come with a 3/8" x 1/4" reducing adaptor for use with hose accessories

## Spool mounted on two permanently lubricated and sealed ball bearings

To reduce torque load on spring for smooth retraction and longer life

#### Large latching area for easier operation

#### Adjustable mounting bracket

To accommodate any method of mounting

#### Two large side service panels

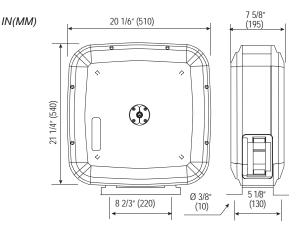
Facilitate common maintenance operations

#### Hose reels with hose include 30" inlet hose and ball stop

#### Hose reels offer four mounting positions

May be mounted in floor, wall, ceiling and tank positions

#### Hose reels are delivered in the ceiling mount position



Technical specifications are subject to change without prior notice



# **HOSE REELS:** 507 SERIES 50' Maximum hose capacity

#### **TECHNICAL SPECIFICATIONS**

Operating Temperature Range			
Air / Water / Antifreeze	-20°F to 140° F (-20°C to 60°C)		
Oil	-22°F to 194°F (-30 °C to 90°C)		
Grease	-22°F to 194°F (-30 °C to 90°C)		
DEF	-4°F to 140°F (-20°C to 60°C)		
Wetted Parts			
Air / Water / Antifreeze	Brass, acetal, Nitrile rubber		
Oil	Steel, electro-less nickel plated steel, Nitrile rubber		
Grease	Steel, electro-less nickel plated steel, Nitrile rubber, PTFE		
DEF	Stainless steel, acetal, Viton		
Neight without hose	42 lb (19 Kg)		
Manual	850 824		

ORDER INFORMATION						
Part No.	Hose Length	Hose I.D.	Outlet Thread	Max. Working Pressure	Net weight	Reel only with swivel Part No.
LOW PRESSURE A	LOW PRESSURE AIR/WATER antifreeze and windshield wash solutions – brass shaft and acetal swivel - inlet 1/2" NPT(F)					
507 101	30'	3/8"	3/8" NPT(M)	300 psi	50.6 lb	507 910
507 121	50'	3/8"	3/8" NPT(M)	300 psi	55.6 lb	507 912
MEDIUM PRESSU	<b>RE OILS</b> stainless s	steel shaft and sw	vivel - inlet 1/2" NF	PT(F)		
507 222	50'	1/2"	1/2" NPT(M)	2,750 psi	57.2 lb	507 922
HIGH PRESSURE GREASE steel shaft and swivel - inlet 3/8" NPT(F)						
507 300	30'	1/4"	1/4" NPT(M)	5,000 psi	51.5 lb	507 930
507 321	50'	3/8"	1/4" NPT(M)	4,000 psi	59.8 lb	507 936

#### MOUNTING BRACKET for use with 507 series hose reels in a bank. Nuts, screws and washers included.



360 114	Holds up to two reels. Dimensions: 21 1/2" x 12"
360 115	Holds up to three reels. Dimensions: 32 1/2" x 12"
360 117	Holds up to five reels. Dimensions: 54 1/2" x 12"
1390	Channel mounting bracket. Channels may be mounted from I-beams with use of channel mounting brackets (up to 9" flange). Order two brackets for the two and three reel channel and three brackets for the five reel channel

## **HOSE REELS: 1400 SERIES**

## 40' Maximum hose capacity





#### Roller arm in tank/wall mount position



#### 1400 Series Double Pedestal Arm Hose Reel

Double-pedestal arm steel hose reel can hold up to 40' x 1/4" hose

#### **Fatigue resistant steel spring**

For years of durable performance and even load when pulling and recoiling the hose

#### Full metal double pedestal arm construction

Epoxy powder coated for increased wear resistance

#### Forged brass shaft

Ensures leak-free operation

#### **Reducing Adaptor**

Low pressure reels with 3/8" hose come with a 3/8" x 1/4" reducing adaptor for use with hose accessories

#### Hose reels with hose include 30" inlet hose and ball stop

#### Hose reels offers two mounting positions

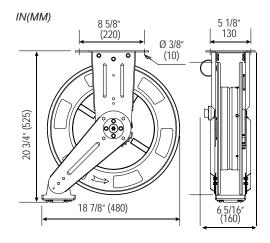
May be mounted in ceiling and tank/wall positions

Hose reels are delivered in the ceiling mount position

# **MARKETS SERVED**

#### · Car and truck dealers

- Service shops
- Fleets
- · General manufacturing
- Service stations
- Quick lubes
- Air
- Water
- · Antifreeze solutions
- Synthetic and mineral oils
- Grease





## **HOSE REELS: 1400 SERIES** 40' Maximum hose capacity

#### **TECHNICAL SPECIFICATIONS**

Operating Temperature Range	
Air / Water / Antifreeze	-22°F to 194°F (-30 °C to 90°C)
Oil	-22°F to 194°F (-30 °C to 90°C)
Grease	-22°F to 194°F (-30 °C to 90°C)
Wetted Parts	
Air / Water / Antifreeze	Brass, steel, Nitrile rubber
Oil	Brass, steel, Nitrile rubber
Grease	Steel, electroless nickel plated steel, nitrile rubber, polyurethane, PTFE
Weight without hose	33 lb (15 Kg)
Manual	850 804

ORDER INFORMATION						
Part No.	Hose Length	Hose I.D.	Outlet thread	Max. Working Pressure	Net weight	Reel only with swivel Part No.
LOW PRESSURE	<b>LOW PRESSURE AIR/WATER</b> antifreeze and windshield wash solutions – brass shaft and acetal swivel - inlet 1/2" NPT(F)					
1413	40'	3/8"	3/8" NPT(M)	300 psi	43 lb	1402
1417	40'	1/2"	1/2" NPT(M)	300 psi	46 lb	1402
MEDIUM PRESSU	JRE OILS stainless s	steel shaft and sw	vivel - inlet 1/2" NF	PT(F)		
1428	30'	1/2"	1/2" NPT(M)	2,000 psi	45 lb	1402
1426	40'	1/2"	1/2" NPT(M)	2,000 psi	48 lb	1402
HIGH PRESSURE	HIGH PRESSURE GREASE steel shaft and swivel - inlet 3/8" NPT(F)					
1432	30'	1/4"	1/4" NPT(M)	5,000 psi	45 lb	1403
1435	40'	3/8"	3/8" NPT(M)	4,000 psi	48 lb	1403

MOUNTING BRACKET for use with 1400 series hose reels in a bank. Nuts, screws and washers included.



360 114	Holds up to two reels. Dimensions: 21 1/2" x 12"
360 115	Holds up to three reels. Dimensions: 32 1/2" x 12"
360 117	Holds up to five reels. Dimensions: 54 1/2" x 12"
1390	Channel mounting bracket. Channels may be mounted from I-beams with use of channel mounting brackets (up to 9" flange). Order two brackets for the two and three reel channel and three brackets for the five reel channel

## **HOSE REELS:** 504 SERIES

## 50' Maximum hose capacity





Roller arm in tank/wall mount position



# NEIS SERVED

- Car and truck dealers
- Service shops
- Fleets
- General manufacturing
- Service stations
- Lube trucks
- Mining and construction
- · Railroad and mass transit

#### • Air

- \/\/ata
- Antifreeze & windshield wash solutions
- High pressure hot water
- Synthetic and mineral oils
- Grease

#### 504 Series HD Double Pedestal Arm Hose Reel

Full metal, heavy-duty, double pedestal arm hose reels, with hose capacity up to  $50^\circ$  x  $1/2^\circ$  hose

#### **Very tough construction**

Able to withstand constant use and abuse in intensive duty applications

#### **Fatigue resistant steel spring**

For years of durable performance and even load when pulling and recoiling the hose

#### Fully ported shaft and swivel

For better flow

## Spool mounted on two permanently lubricated and sealed ball bearings

To reduce torque load on spring for smooth retraction and longer life

#### Large latching area for easier operation

#### **Reducing Adaptor**

Low pressure reels with 3/8" hose come with a 3/8" x 1/4" reducing adaptor for use with hose accessories

#### Hose guide arm

Can be placed in different positions to accommodate any method of mounting

#### **Narrow footprint**

Allows mounting more reels in the same surface area

#### Hose reels with hose include 30" inlet hose and ball stop

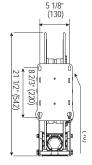
#### Hose reels offer four mounting positions

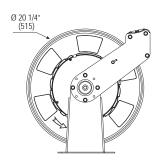
May be mounted in floor, wall, ceiling and tank positions

#### Hose reels are delivered in the ceiling mount position

For reels delivered with arm in side mount position, add the suffix SM to the hose reel part number. i.e. 504 101SM

#### IN(MM)







FLUIDS HANDLED



# **HOSE REELS:** 504 SERIES 50' Maximum hose capacity

#### **TECHNICAL SPECIFICATIONS**

Operating Temperature Range	
Air / Water / Antifreeze	-20°F to 140° F (-20°C to 60°C)
Oil	-22°F to 194°F (-30 °C to 90°C)
Grease	-22°F to 194°F (-30 °C to 90°C)
Wetted Parts	
Air / Water / Antifreeze	Brass, acetal, Nitrile rubber
Oil	Steel, electro-less nickel plated steel, Nitrile rubber
Grease	Steel, electro-less nickel plated steel, Nitrile rubber, PTFE
Weight without hose	49 lb (19 Kg)
Manual 850 838	

#### **CUSTOM COLORS**

Verify lead times for customer colors

Reel Part No. + letter	Color		
standard color	Reel color, white	RAL 9016	
504 xxxK	Reel color, black	RAL 9005	
504 xxxL	Reel color, blue	RAL 5005	
504 xxxR	Reel color, red	RAL 3011	



#### ORDER INFORMATION

Part No.	Hose Length  AIR/WATER antifre	Hose I.D. eze and windshie	Outlet thread ld wash solutions	Max. Working Pressure – brass shaft and	Net weight acetal swivel - in	Reel only with swivel Part No.  let 1/2" NPT(F)
504 151	50'	3/8"	3/8" NPT(M)	300 psi	49.5 lb	504 159
504 150	50'	1/2"	1/2" NPT(M)	300 psi	52.8 lb	504 159
MEDIUM PRESSU	<b>IRE OILS</b> steel shaf	t and swivel - inle	t 1/2" NPT(F)			
504 250	50'	1/2"	1/2" NPT(M)	2,000 psi	57.3 lb	504 259
HIGH PRESSURE	<b>GREASE</b> steel shaf	t and swivel - inle	et 3/8" NPT(F)			
504 350	50'	1/4"	1/4" NPT(M)	5,000 psi	58.4 lb	504 359
504 351	50'	3/8"	1/4" NPT(M)	4,000 psi	60.6 lb	504 359

MOUNTING BRACKET for use with 504 series hose reels in a bank. Nuts, screws and washers included.



360 114	Holas up to two reels. Diffierisions: 21 1/2 X 12
360 115	Holds up to three reels. Dimensions: 32 1/2" x 12"
360 117	Holds up to five reels. Dimensions: 54 1/2" x 12"
1390	Channel mounting bracket. Channels may be mounted from I-beams with use of channel mounting brackets (up to 9" flange). Order two brackets for the two and three reel channel and three brackets for the five reel channel

## **HOSE REELS:** 505 SERIES

## 65 Maximum hose capacity





Roller arm in tank/wall mount position

#### 505 Series HD Double Pedestal Arm Hose Reel

Full metal heavy-duty double pedestal hose reels, with hose capacity up to 65' x 1/2" or 50' x 3/4" hose

#### Very tough construction

Able to stand regular use and abuse in intensive duty applications

#### **Fatigue resistant steel spring**

For years of durable performance and even load when pulling and recoiling the hose

#### Fully ported shaft and swivel

For better flow

#### Spool mounted on two permanently lubricated and sealed ball bearings

To reduce torque load on spring for smooth retraction and longer life

#### Large effective radial latching area

For easier operation

#### Hose guide arm

Can be placed in different positions to accommodate most any method of mounting

#### Hose reels offer four mounting positions

May be mounted in floor, wall, ceiling and tank positions

Hose reels are delivered in the ceiling mount position

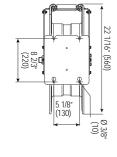
# RKETS SERVED

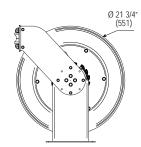
#### · Car and truck dealers

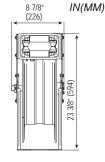
- Service shops
- Fleets
- General manufacturing
- Service stations
- Lube trucks
- Mining and construction
- Railroad and mass transit
- HANDLED

#### • Air

- Water
- Antifreeze solutions
- Synthetic and mineral oils
- DEF
- · Waste oil evacuation
- Diesel
- Grease









# **HOSE REELS:** 505 SERIES 65' Maximum hose capacity

## TECHNICAL SPECIFICATIONS Operating Temperature Range

Operating Temperature Range			
Air / Water / Antifreeze	-20°F to 140° F (-20°C to 60°C)		
Oil -22°F to 194°F (-30 °C to 90°C)			
Grease	-22°F to 194°F (-30 °C to 90°C)		
DEF	DEF -4°F to 140°F (-20°C to 60°C)		
Wetted Parts			
Air / Water / Antifreeze	Steel, electro-less nickel plated steel, Nitrile rubber		
Oil	Steel, electro-less nickel plated steel, Nitrile rubber		
Grease	Steel, electro-less nickel plated steel, Polyurethane		
DEF	Stainless steel, acetal, Viton		
Weight without hose	65 lb (29.5 Kg)		
Manual	850 825		

ORDER INFORMATION						
Part No.	Hose Length	Hose I.D.	Outlet thread	Max. Working Pressure	Net weight	Reel only with swivel Part No.
LOW PRESSURE A	<b>IR/WATER</b> antifi	reeze and winds	shield wash soluti	ons – brass shaft a	and acetal swivel -	· inlet 3/4" NPT(F)
505 120	65'	1/2"	1/2" NPT(M)	300 psi	79.3 lb	505 002
505 121	50'	3/4"	3/4" NPT(M)	300 psi	83.2 lb	505 002
LOW PRESSURE D	<b>EF</b> stainless ste	el shaft and ace	etal swivel - inlet 3	3/4" NPT(F)		
505 550	50'	3/4"	3/4" BSPP(M)	300 psi	85 lb	505 502
LOW PRESSURE D	<b>IESEL</b> steel shaf	t and swivel - ir	ilet 3/4" NPT(F)			
505 425	50'	3/4"	3/4" NPT(M)	200 psi	83.7 lb	505 002
MEDIUM PRESSUI	<b>RE OILS</b> steel sh	aft and swivel -	inlet 3/4" NPT(F)			
505 220	65'	1/2"	1/2" NPT(M)	2,000 psi	80.3 lb	505 002
505 221*	50'	3/4"	3/4" NPT(M)	1,250 psi	84.7 lb	505 002
HIGH PRESSURE (	HIGH PRESSURE GREASE steel shaft and swivel - inlet 3/4" NPT(F)					
505 330	65'	3/8"	1/4" NPT(M)	4,000 psi	86 lb	505 014

<sup>\*</sup>Hose reel 505 221 can also be used for waste oil evacuation

#### **Recommended Accessories** for use with 505 series reels



528 002	Bi-conical hose stop and U-bolt kit fits 1/2" hose
528 004	Bi-conical hose stop and U-bolt kit fits 3/8" hose
528 003	Bi-conical hose stop and U-bolt kit fits 3/4" hose

## **HOSE REELS:** 508 SERIES UP TO 100' Max hose capacity





## 508 Series HD Large Capacity Hose Reels

Full metal, heavy-duty, double pedestal hose reels, with hose capacity up to 100' x 1/2" hose.

#### Very tough construction

Large capacity reels, able to stand regular use and abuse in intensive duty applications

#### Fatigue resistant steel spring

For years of durable performance and even load when pulling and recoiling the hose

#### Spool mounted on two permanently lubricated and sealed ball bearings

To reduce torque load on spring for smooth retraction and longer life

#### Large latching area for easier operation

#### **Dual Spring**

Reels with 75' and 100' hose capacity include a dual spring for effective and consistent hose retraction

#### Hose reels offer four mounting positions

May be mounted in floor, ceiling and tank positions

#### Hose reels are delivered in the ceiling mount position



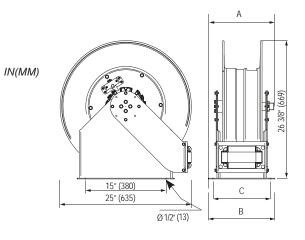
# MARKETS SERVED

#### Fleets

- Lube trucks
- General manufacturing
- Mining and construction
- · Railroad and mass transit

#### • Air

- Antifreeze solutions
- · Synthetic and mineral oils
- · Waste oil evacuation
- Diesel



	508 002 Single Spring	508 046 Double Spring
Α	12 3/8" 315)	13 3/4" (349)
В	11 3/8" (290)	12 5/16" (320)
С	12 5/16" (320)	13 15/16" 353)



**FLUIDS HANDLED** 



## HOSE REELS: 508 SERIES UP TO 100' Max hose capacity

#### **TECHNICAL SPECIFICATIONS**

Operating Temperature Range

Air / Water / Antifreeze / Oil	-22°F / 194°F - (-30°C / 90°C)
Wetted Parts	
Air / Water / Antifreeze / Oil	Steel, electroless nickel plated steel, Nitrile rubber
Weight without hose	92.5 lb (43 Kg)
Manual	850 837

ORDER INFORMATION							
Part No.	Hose Length	Hose I.D.	Outlet thread	Max. Working Pressure	Net weight	Reel only with swivel Part No.	Springs
LOW PRESSURE AIR/WATER antifreeze and windshield wash solutions – brass shaft and acetal swivel - inlet 1" NPT(F)							et 1" NPT(F)
508 125	50'	1"	1" NPT(M)	300 psi	110.2 lb	508 002	Single
508 152	100'	1/2"	1/2" NPT(M)	300 psi	121.2 lb	508 046	Double
LOW PRESSURE	LOW PRESSURE DIESEL steel shaft and swivel - inlet 1" NPT(F)						
508 425	50'	1"	1" NPT(M)	300 psi	115.7 lb	508 002	Single
MEDIUM PRESSURE OILS steel shaft and swivel - inlet 1" NPT(F)							
508 225*	50'	1"	1" NPT(M)	1,250 psi	123.4 lb	508 002	Single
508 244	75'	3/4"	3/4" NPT(M)	1,250 psi	125.6 lb	508 046	Double
508 252	100'	1/2"	1/2" NPT(M)	2,000 psi	121.5 lb	508 046	Double

<sup>\*</sup>Hose reel 508 225 can also be used for waste oil evacuation

#### **Recommended Accessories** for use with 508 series reels



<b>528 002</b> Bi-conical hose stop and U-bolt kit fits 1/2" hose			
<b>528 003</b> Bi-conical hose stop and U-bolt kit fits 3/4" hose			
	528 001	Bi-conical hose stop and U-bolt kit fits 1" hose	

## **HOSE REELS:** 5085 SERIES

UP TO 50' Max hose capacity





## 5085 Series HD Large Capacity Hose Reels

Full metal, heavy-duty, hose reel with hose capacity up to 50' x 1 1/2" hose.

#### Very tough construction

Large capacity reels, able to stand regular use and abuse in intensive duty applications

#### **Fatigue resistant steel spring**

For years of durable performance and even load when pulling and recoiling the hose

#### Spool mounted on two permanently lubricated and sealed ball bearings

To reduce torque load on spring for smooth retraction and longer life

#### Large latching area for easier operation

#### **Dual Spring**

Reels with 75' and 100' hose capacity include a dual spring for effective and consistent hose retraction

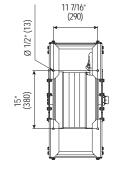
#### Hose reels offer four mounting positions

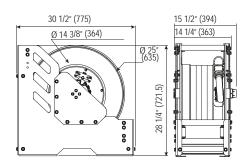
May be mounted in floor and tank positions

Hose reels are delivered in the floor mount position



- Fleets
- Lube trucks
- General manufacturing
- Mining and construction
- · Railroad and mass transit
- Water Diesel
- Waste oil evacuation
- · Low pressure bulk oil transfer





**MARKETS SERVED** 



# **HOSE REELS:** 5085 SERIES UP TO 50' Max hose capacity

#### **TECHNICAL SPECIFICATIONS**

Operating Temper	erature Range
------------------	---------------

Air / Water / Antifreeze	-22°F / 194°F - (-30°C / 90°C)
Oil	-22°F / 194°F - (-30°C / 90°C)
Wetted Parts	
Air / Water / Antifreeze	Steel , electroless nickel plated steel, Nitrile rubber, electroless nickel plated aluminum
Oil	Steel , electroless nickel plated steel, Nitrile rubber
Weight without hose	92.5 lb (43 Kg)
Manual	850 833

ORDER INFORMATION							
Part No. Hose Length Hose I.D. Outlet t				Max. Working Pressure	Net weight	Reel only with swivel Part No.	
BARE REEL water, diesel & evacuation - steel shaft and swivel - inlet 11/2" NPT(F)							
508 891	Capacity up to	50' x 1 1/2"	1 1/2" NPT(M)	580 psi	150 lb	508 891	

#### **Recommended Accessories** for use with 5085 series reels



528 083

Hose stop and U-bolt kit fits 1 1/2" hose

## **HOSE REELS:** 506EC SERIES

## 50' Maximum hose capacity





#### 506EC Series: Enclosed Hose Reel

SAMSON 506EC overhead reels provide a clean appearance for multiple-reel banks enclosed in a steel metal cabinet. They combine a unique appearance and superior performance to meet the demands of your shop.

506EC Enclosed hose reel with hose capacity up to 50' x 1/2" hose various colors available.

Hose reels are designed to fit reel enclosures; order mounting brackets, side panels and end panel kits separately.

#### One steel frame piece

For increased durability

#### Wide mouth outlet design

Avoids hose jamming

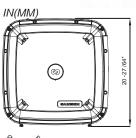
#### **Composite spool**

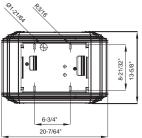
For lightweight and easy installation

#### Spool mounted on two permanently-lubricated and sealed ball bearings To reduce torque load on spring for smooth operation

Available in 4 different colors

Hose reels include a 30" inlet hose and ball stop





#### • Car and truck dealers

- Service shops
- Quick lubes

**MARKETS SERVED** 

## Air

- · Antifreeze and windshield wash
- Synthetic and mineral oils
- Grease

#### **TECHNICAL SPECIFICATIONS**

**Operating Temperature Range** 

Air / Water / Antifreeze	-20°F to140° F (-20°C to 60°C)
Oil	-22°F to 194°F (-30 °C to 90°C)
Grease	-22°F to 194°F (-30 °C to 90°C)
Wetted Parts	
Air / Water / Antifreeze	Brass, acetal, Nitrile rubber
Oil	Steel, electroless nickel plated steel, Nitrile rubber
Grease	Steel, electroless nickel plated steel, Nitrile rubber,PTFE
Weight without hose	24 lb (11 Kg)
Mounting	Ceiling
Delivery	Hose reels are delivered in ceiling mount position
Manual	850 839

FLUIDS HANDLED



## **HOSE REELS:** 506EC SERIES 50' Maximum hose capacity

	ORDER INFORMATION						
Part No.	Hose Length	Hose I.D.	Outlet thread	Max. Working Pressure	Net weight		
LOW PRESSURE AIR/WATER antifreeze and windshield wash solutions - inlet 1/2" NPT(F)							
506 101EC	30'	3/8"	3/8" NPT(M)	300 psi	33.8 lb		
506 121EC	50'	3/8"	3/8" NPT(M)	300 psi	37 lb		
506 122EC	50'	1/2"	1/2" NPT(M)	300 psi	41 lb		
MEDIUM PRESSURE OILS stainless steel shaft and swivel - inlet 1/2" NPT(F)							
506 202EC	30'	1/2"	1/2" NPT(M)	2,750 psi	36.9 lb		
506 222EC	50'	1/2"	1/2" NPT(M)	2,750 psi	41.7 lb		
HIGH PRESSURE GREASE steel shaft and swivel - inlet 1/2" NPT(F)							
506 300EC	30'	1/4"	1/4" NPT(M)	5,000 psi	35.4 lb		
506 321EC	50'	3/8"	1/4" NPT(M)	5,000 psi	43.7 lb		



#### **ENCLOSED REEL MOUNTING CHANNEL** Includes fasteners for mounting reels

· Channels for mounting reel bank. Use these channels instead of Unistrut channel.

1372	for mounting 2 reels	use 2-1370 brackets	
1373	for mounting 3 reels	use 2-1370 brackets	
1375	for mounting 5 reels	use 3-1370 brackets	
1370	channel mounting bracket For mounting a reel channel to I-beams (up to 9" flange).		



#### **SIDE PANEL KIT** Order one per each reel

- Standard color is white, side panel kits are available in 4 different colors.
- Each kit includes 2 side panels, one outlet panel, one quick mounting individual reel bracket, fastening and alignment elements

Side Panel Part No.	Color	
526 802	RAL	9016
526 802K	RAL	9005
526 802L	RAL	5005
526 802R	RAL	3003



#### **END PANEL KIT** Order one per each reel bank

- Standard color is white, end panel kits are available in 4 different colors.
- Each kit includes 2 aluminum die cast end panels, 1 end support kit, provides rigidity and stability to the hose reel bank as it converts the last reel into a double pedestal arm reel, required fasteners to assemble the enclosures.
- · Choose between 2 ABS end panel inserts: black or white

End Panel Part No. White Insert	End Panel Part No. Black Insert	Col	or	End panel in End panel in	sert
526 809	526 809B	RAL	9016		11/19
526 809K	526 809KB	RAL	9005		0
526 809L	526 809LB	RAL	5005		
526 809R	526 809RB	RAL	3003	End panels	

Technical specifications are subject to change without prior notice

www.samsoncorporation.com

## **HOSE REELS:** 506 ENCLOSED KITS









Low Pressure for Air & Water 300 psi, Medium Pressure for Oil 1,500 psi Order side & end panels separately

Package Part No.	506 104ECA	506 124ECA	506 104ECB	506 124ECB	506 202ECM	506 222ECM
Capacity	Compressed Air 30'	Compressed Air 50'	Water 30'	Water 50'	0il 30'	0il 50'
Reel	506 101EC	506 121EC	506 101EC	506 121EC	506 202EC	506 222EC
Air Chuck	1275	1275				
Water Bibb			1280	1280		
Hose End Meter					365 537	365 537









Light Reel Kits

Order side & end panels separately

Package Part No.	3171EC	3175EC	3173EC
Capacity	40'	50'	30'
Reel Bracket	526805	526805	526805
Electric Light Reel	3171	3175	3173
	Electric light cord reel 40' stubby light reel with tool tap in handle	Electric light cord reel 50' automatic retractable trouble light	Electric cord reel 30' with power supply - 3 outlet



## **HOSE REELS:** CABLE, LIGHT & ELECTRIC



ORDER INFORMATION		
Part No.	Hose Length	AMP
COMPACT REEL	<b>.S FOR LIGHT</b> retractable reels f	it all standard electrical outlets
3175	50'	N/A
3171	40'	N/A



ORD	ER INFORMA	TION	
Hose Length	Volt	Outlet	АМР
<b>ELECTRIC CORD REEL</b> retractable reels fit all standard electrical outlets			
30'	115V	3	10
	Hose Length  REEL retractab	Hose Length Volt    REEL retractable reels fit all sta	D REEL retractable reels fit all standard electrical



	OR	DER INFORM	ATION		
Part No.	Hose Length	Volt REEL double nov	Outlet wer sunnly	АМР	
4040	40'	115		20	



Part No.	Hose Length	Hose I.D.	Outlet thread	Max. Working Pressure
	E ECR HOSE REE	- <b>-</b>		
1558	50'	3/8"	1/4"	300 psi

ORDER INFORMATION

## **ACCESSORIES:** HOSE REELS



#### Accessories

#### **Mounting Brackets - Single Reels**



#### **Hose Reel Ball Stops**

Bi-conical fits 504, 507, 1400, 506 series reels

2022	Hose stop fits 1/4" hose
2024	Hose stop fits 3/8" hose
2026	Hose stop fits 1/2" hose

#### Bi-conical and U-bolt kit fits 505 series reels

6	528 002	Hose stop fits 1/2" hose
(=)	528 004	Hose stop fits 3/8" hose
	528 003	Hose stop fits 3/4" hose

#### Bi-conical and U-bolt kit fits 508 series reels

6	528 002	Hose stop fits 1/2" hose
	528 003	Hose stop fits 3/4" hose
	528 001	Hose stop fits 1" hose

#### Stop and U-bolt kit fits 508 series reels



528 083

Hose stop fits 1 1/2" hose

#### **Drip Pocket**



360 122

Wall mount drip pocket

#### **Wall Mount Drip Pocket**



360 127

Wall mount drip pocket and gun holder

#### **Mounting Brackets - Multiple**

Hose reel mounting channels for use with 506, 507, 1400, and 504 series hose reels in a bank. Channels are pre-drilled to allow individual mounting of reel. Nuts, screws and washers included.



360 114	Holds up to two reels. Dimensions: 21-1/2" x 12"
360 115	Holds up to three reels.  Dimensions: 32-1/2" x 12".  This bracket can also hold 2- 505 Series reels
360 117	Holds up to five reels.  Dimensions: 54-1/2" x 12". This bracket can also hold 3 x 505 Series reels.
1390	Channel mounting bracket. Channels may be mounted from I-beams with use of channel mounting brackets (up to 9" flange). Order two brackets for the two and three reel channel and three brackets for the five reel channel
1515	Set of peel-off stick-on reel identification labels



### **ACCESSORIES:** REEL STANDS



#### **Reel Stands**

	Item	Size	For use with Reel Series	Details
Two Reels	360 161	H 93 1/2"	Any pair of 504, 506, 507, 1400	
Three Reels	360 162	H 47 1/4" x D 15 3/4" x W 87 13/32"	504, 506, 507, 1400	Includes drip try
Five Reels	360 163	H 69" x D 16" x W 88"	504, 506, 507, 1400	Includes drip try
Six Reels	360 160	H 102" x D 30" x W 61"	Narrow model for use with 504, 506, 1400	Includes perforated Internal side panels and drip tray
Six Reels	360 165	H 102" x D 30" x W 78"	Wide model for use with 504, 506, 507, 1400	Includes perforated internal side panels and drip tray
Reel Bracket	360 166	For mounting two additional hose	e reels on either side of a six reel stand	360 160 and 360 165
Drip Tray	360 168	For use on one side of a six reel stand 360 160 and 360 165 when equipped with the 360 166 additional reel bracket		
Wall Mount Drip Pocket	360 127	Wall mount drip pocket and gun holder		
Height Extender	360 164	High extension kit, allows rising 20" reel stands. For use with reel stands 360 160 and 360 165		









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360 122

360 166

360 168

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### **HOSE REELS:** REPAIR KITS



506 Series	Kit Number	Description	Model
9	526020	Ratchet assembly	506 - ALL
	526021	Roller outlet assembly	506 - ALL
- O	850610	506 Series drum clip kit	506 - ALL
	526015	506 Acetal swivel kit	506 - AIR/WATER & DEF
E al	526010	506 Oil swivel kit	506 - OIL
<b>a</b>	526011	506 Grease swivel kit	506 - GREASE
The second	526013	506 Windshield solution swivel kit	506 - WW SOLUTION
507 Series	Kit Number	Description	Model
	527020	Ratchet assembly	507 - ALL
100 100 -i	526010	507 Oil swivel kit	507 - OIL
	526011	507 Grease swivel kit	507 - GREASE
	526015	507 Acetal swivel kit	507 - AIR/WATER & DEF
OF SEE	526013	507 Windshield solution swivel kit	507 - WW SOLUTION
1400 Series	Kit Number	Description	Model
1400 Series	Kit Number 750211	<b>Description</b> Latch pawl kit	<b>Model</b> 1400 - ALL 1400
1400 Series		-	
1400 Series	750211	Latch pawl kit	1400 - ALL 1400
1400 Series	750211	Latch pawl kit  LP and MP 1/2" swivel	1400 - ALL 1400 1400 - AIR/WATER/OIL
1-1-00-04	750211 1182 1183	Latch pawl kit  LP and MP 1/2" swivel  HP grease swivel	1400 - ALL 1400 1400 - AIR/WATER/OIL 1400 - GREASE
	750211 1182 1183 1184	Latch pawl kit  LP and MP 1/2" swivel  HP grease swivel  HP hot water 1/4" swivel	1400 - ALL 1400  1400 - AIR/WATER/OIL  1400 - GREASE  1400 - HP HOT WATER
504 Series	750211 1182 1183 1184 Kit Number	Latch pawl kit  LP and MP 1/2" swivel  HP grease swivel  HP hot water 1/4" swivel  Description	1400 - ALL 1400  1400 - AIR/WATER/OIL  1400 - GREASE  1400 - HP HOT WATER
504 Series	750211 1182 1183 1184 Kit Number 524020	Latch pawl kit  LP and MP 1/2" swivel  HP grease swivel  HP hot water 1/4" swivel  Description  504 Ratchet kit	1400 - ALL 1400  1400 - AIR/WATER/OIL  1400 - GREASE  1400 - HP HOT WATER  Model  504 - ALL
504 Series	750211 1182 1183 1184 Kit Number 524020 524030	Latch pawl kit  LP and MP 1/2" swivel  HP grease swivel  HP hot water 1/4" swivel  Description  504 Ratchet kit  504 Roller outlet assembly	1400 - ALL 1400  1400 - AIR/WATER/OIL  1400 - GREASE  1400 - HP HOT WATER  Model  504 - ALL  504 - ALL
504 Series	750211 1182 1183 1184 Kit Number 524020 524030 524011 300	Latch pawl kit  LP and MP 1/2" swivel  HP grease swivel  HP hot water 1/4" swivel  Description  504 Ratchet kit  504 Roller outlet assembly  504 LP swivel	1400 - ALL 1400  1400 - AIR/WATER/OIL  1400 - GREASE  1400 - HP HOT WATER  Model  504 - ALL  504 - ALL

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Technical specifications are subject to change without prior notice



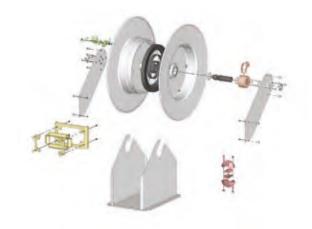
### **HOSE REELS: REPAIR KITS**

#### 505 Series



	Kit Number	Description	Model
<b>525020</b> Roller outlet assemble		Roller outlet assembly	505 - ALL
	528021	Latch kit	505 - ALL
	<b>525010</b> 505 LP / MP swivel		505 - LP/MP
	<b>525014</b> 505 DEF		505 - DEF
<b>525012 300</b> HP grease swivel		505 - GREASE	

#### 508 & 5085 Series



Kit Number	Description	Model
528021	508 & 5085 Latch kit	508 & 5085 - ALL
528082	Swivel assembly	5085 - ALL
528080	Roller outlet assembly 508	5085 - ALL
528010	508 Swivel kit 3/4" & 1/2"	508 3/4" HOSE REEL
750803	508 Swivel kit 1"	508 1" HOSE REEL
528020	Roller outlet assembly 508	508 - REEL WITH HIGH CAPACITY SPRING
528023	Roller outlet assembly 508	508 - REEL WITH EXTRA POWER - DOUBLE SPRING

### 506EC Series



Kit Number	Description	Model
526800	Latch kit assembly	506EC - ALL
526807	Roller outlet assembly	506EC - ALL
526808	Hardware kit (grip knobs)	506EC - ALL
526014 300	LP swivel	506EC - LP
526010 300	MP swivel	506EC - MP
526011 300	HP swivel	506EC - HP





11 gal/min

Lubricants, ATF, Antifreeze &

Antifreeze Solutions



24 gal/min





**EC8 Series** 8 gal/min

**EC19 Series** 

19 gal/min

Lubricants, Hydraulic Fluid & Antifreeze Solutions

Lubricants & ATF

Lubricants & Hydraulic Fluid

# **HANDLES & METERS**

Flow Rate

Compatibility

Fluid

Typically, the dispense valve is the most used and abused part of a lubrication dispense system. It must hold up to the constant rigors of the job and provide reliable on/off control and accuracy when used as a metered system. The broad range of SAMSON control handles and meters are designed to do just that. Choose from a wide range of simple dispense valves, mechanical or digital metered valves, standard or high flow applications and even dispensing and metering of DEF and coolant.







	Preset Electronic	MC8 OG Series	MC8 Series	MC8P Series	Special Fluids
Flow Rate	8 gal/min	8 gal/min	8 gal/min	8 gal/min	8 gal/min
Fluid Compatibility	Lubricants & ATF	Lubricants & ATF	Lubricants, ATF & Antifreeze Solutions	Lubricants	Windshield Wash, Antifreeze Solutions



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### **HANDLES & METERS:** OIL

#### CV11 Non-Metered Handles





# CV11 Non-metered Dispense Valve 11 gpm max delivery

SAMSON control valves are used at the end of hose assembly to dispense lubricants and antifreeze solutions.

#### Safety trigger latch

Prevents accidental dispense

#### **Locking trigger**

For hands free operation

#### Aluminum die-cast body with ergonomic design

Stands the toughest environments and provides better comfort of operation

#### Large inlet screen filter

Keeping fluid clean with no flow restriction

#### Large inlet port swivel

Ball bearing design for maximum ease of use



**MARKETS SERVED** 

- Car and truck dealerships
- Fast lube and maintenance shops
- Fleet service
- Mining and construction
- · Lube trucks

## • F

- Synthetic and mineral based oil
- Hydraulic oil
- Gear lube
- Transmission fluid
- Antifreeze solutions

#### **TECHNICAL SPECIFICATIONS**

Maximum flow rate	11 gal/min (40 l/min)
Maximum working pressure	1,450 psi (100 bar)
Fluid inlet	1/2" NPT (F)
Fluid outlet	1/2" NPT (F)
Wetted parts	Aluminum / Zinc plated steel / NBR
Fluid compatibility	Lubricants, ATF, antifreeze and antifreeze solutions
Weight (with no outlet)	1 lb (470 g)
Manual	836 854

#### **ORDER INFORMATION**

Part No.	Description	Outlet part No.
363 100	Oil valve with no outlet	-
363 116	Oil valve with 60° rigid outlet and quarter turn non-drip tip	369 231
363 114	Oil valve with flexible outlet with 90° tube and quarter turn non-drip tip	369 227
363 117	Oil valve with formable outlet and quarter turn non-drip tip	369 233
363 118	Oil valve with formable outlet and quarter turn narrow non-drip tip	369 240

Non-drip tips are manufactured in brass.

All models include inlet swivel with shroud and the outlet listed for each model.

FLUIDS HANDLED



## **HANDLES & METERS: OIL**

### CV24 Non-Metered High Flow Handles

### CV24 Non-metered High Flow Dispense Valve 24 gpm max delivery

SAMSON high flow delivery control valves are used at the end of hose assembly to dispense large volumes of lubricants and antifreeze solutions.

#### Safety trigger guard

Prevents accidental dispense

#### **Locking trigger**

For hands free operation

#### Heavy-Duty aluminum die-cast body with ergonomic design

Stands the toughest working conditions

#### Large inlet screen filter

Keeping fluid clean with no flow restriction

#### Large inlet port swivel

Ball bearing design for maximum use comfort

#### High flow pressure balanced valve

Maximum reliability and ease of use

#### **TECHNICAL SPECIFICATIONS**

Maximum flow rate	24 gal/min (90 l/min)
Maximum working pressure	1,450 psi (100 bar)
Fluid inlet	3/4" NPT(F) or 1" NPT(F)
Fluid outlet	3/4" BSP (F)
Wetted parts	Aluminum / Zinc plated steel and brass / NBR
Fluid compatibility	All type of synthetic and mineral oils, antifreeze solutions, hydraulic fluid
Weight	4.5 lb (2.05 kg)
Manual	836 839





- Truck dealerships
- Maintenance shops
- Fleet service
- Mining and construction
- Lube trucks

### · Synthetic and mineral based oil

- Hydraulic oil
- Gear lube
- Transmission fluid
- Antifreeze solutions

ORDER INFORMATION		
Part No.	Description	Outlet part No.
363 053	30° rigid with semiautomatic non-drip tip	3/4" NPT(F)
363 054	Flexible outlet with semiautomatic non-drip tip	3/4" NPT(F)
363 055	30° rigid with semiautomatic non-drip tip	1" NPT(F)
363 056	Flexible outlet with semiautomatic non-drip tip	1" NPT(F)

### HANDLES & METERS: ELECTRONIC DISPLAY

**EC8 Metered Handles** 







#### • Car and truck dealerships Fast lube and maintenance shops

365 536

- Fleet service
- · Mining and construction
- · Lube trucks

#### · Synthetic and mineral based oil

- Hydraulic oil
- Gear lube
- Transmission fluid
- Antifreeze solutions

### EC8 Series Metered Dispense Valve 8 gpm max delivery

SAMSON metered control valves are used at end of hose assembly for measured dispensing of lubricants

#### High precision machined measuring chamber

Tight tolerances, quality gears and stainless steel shaft eliminate the need of calibration to adjust for fluid viscosity

#### Easy to read, large character display

With batch, trip with resettable, permanent, and non-totalizer functions

#### Dispenses in quarts, gallons, pints, and liters

#### Easy maintenance

Easy to replace "AAA" alkaline batteries

#### **Rough TPE boot**

Surrounds the meter for even greater durability

#### Meter in flange coupled to CV11 dispense valve

No connection adaptors, reliable and durable leak free connection

#### **TECHNICAL SPECIFICATIONS**

Maximum flow rate	8 gal/min (30 l/min)
Accuracy	+/- 0.5 %
Maximum working pressure	1,450 psi (100 bar)
Batteries	2 x "AAA" 1.5 V alkaline batteries
Fluid inlet	1/2" NPT (F)
Fluid outlet	1/2" NPT (F)
Wetted parts	Acetal / Aluminum/ Stainless steel / NBR / Zinc plated steel / TPU / Polyamide
Fluid compatibility	Lubricants, Hydraulic Fluid & ATF
Weight	2.86 lb (1.30 kg)
Manual	836 854 & 836 853

ORDER INFORMATION		
Part No.	Description	Outlet part No.
365 521	Hose end meter and handle with no outlet	-
365 536	60° rigid with quarter turn non-drip tip	369 231
365 534	Flexible outlet with 90° angled tube & quarter turn non-drip tip	369 227
365 537	Formable outlet with quarter turn non-drip tip	369 233
365 538	Formable outlet with quarter turn narrow non-drip tip	369 240

Non-drip tips are manufactured in brass.

All models include inlet swivel with shroud and the outlet listed for each model.

Technical specifications are subject to change without prior notice

MARKETS SERVED



## HANDLES & METERS: ELECTRONIC DISPLAY

### EC19 Metered High Flow Handles

### EC19 Metered High Flow Dispense Valve 19 gpm max delivery

SAMSON High Flow metered control valves are used at the end of hose assembly for measured dispensing of large volumes of lubricants



Tight tolerances, quality gears and stainless steel shaft eliminate the need of calibration to adjust for fluid viscosity

#### Easy to read, large character display

With batch, trip with resettable, permanent, and non-totalizer functions

#### Dispenses in quarts, gallons, pints, and liters

#### **Easy maintenance**

Easy to replace "AAA" alkaline batteries

#### **Rough TPE boot**

Surrounds the meter for even greater durability



365 534

#### TECHNICAL SPECIFICATIONS

Maximum flow rate	19 gal/min (70 l/min)
Accuracy	+/- 0,5%
Maximum working pressure	1,450 psi (100 bar)
Batteries	2 x "AAA" 1.5 V alkaline batteries
Fluid inlet	3/4" NPT(F) or 1" NPT(F)
Fluid outlet	3/4" BSP (F)
Wetted parts	Acetal / Aluminum/ Stainless steel / Zinc plated steel / brass / NBR
Fluid compatibility	Lubricants & ATF
Weight	6.30 lb (2.85 kg)
Manual	836839 + 836852
Wetted parts Fluid compatibility Weight	Acetal / Aluminum/ Stainless steel / Zinc plated steel / brass / NBR Lubricants & ATF 6.30 lb (2.85 kg)

- Truck dealerships
- Maintenance shops
- Fleet service
- Mining and construction
- Lube trucks

#### · Synthetic and mineral based oil

- Hydraulic oil
- Gear lube
- Transmission fluid
- Antifreeze solutions

	ORDER INFORMATION				
_	Part No.	Description	Outlet part No.		
	365 655	30° rigid with semiautomatic non-drip tip	3/4" NPT(F)		
	365 654	Flexible outlet with semiautomatic non-drip tip	3/4" NPT(F)		
	365 657	30° rigid with semiautomatic non-drip tip	1" NPT(F)		
	365 656	Flexible outlet with semiautomatic non-drip tip	1" NPT(F)		

### **HANDLES & METERS:** MECHANICAL

### MC8 OG Mechanical Handles





### MC8 OG Oval Gear Mechanical Dispense Valve 8 gpm max delivery

SAMSON mechanical metered control valves are used at the end of hose assembly for measured dispensing of lubricants and antifreeze solutions in tough, intensive use applications.

#### **Reliable Performance**

Extensively and rigorously field tested

#### High precision machined measuring chamber

Tight tolerances, quality gears and stainless steel shaft eliminate the need of calibration to adjust for fluid viscosity

#### **Rough TPE boot**

Surrounds the meter for even greater durability

#### 6-digit totalizer

Resettable partial reading up to 9,999 with a non-resettable 6 digit totalizer. Batch readings measure in quarts and totalizer measures in gallons.



#### **TECHNICAL SPECIFICATIONS**

Maximum flow rate	8 gal/min (30 l/min)
Accuracy	+/- 1 %
Maximum working pressure	1,000 psi (70 bar)
Fluid inlet	1/2" NPT (F)
Fluid outlet	1/2" NPT (F)
Wetted parts	Acetal / Aluminum/ Stainless steel / NBR / Zinc plated steel / TPU / Polyamide
Fluid compatibility	Lubricants, Hydraulic Fluid, ATF
Weight	3 lb (1.43 kg)
Manual	

# **JARKETS SERVED**

#### Car and truck dealerships

- Fast lube and maintenance shops
- Fleet service
- Mining and construction
- Lube trucks

•	Syr	nthe	tic	and	mineral	based	oil

- Hydraulic oil
- Gear lube
- Transmission fluid
- ATF

	ORDER INFORMATION		
Part No.	Description	Outlet part No.	
365 861	Hose end meter and handle with no outlet	-	
365 866	60° rigid with quarter turn non-drip tip	369 231	
365 864	Flexible outlet with 90° angled tube & quarter turn non-drip tip	369 227	
365 867	Formable outlet with quarter turn non-drip tip	369 233	
365 868	Formable outlet with quarter turn narrow non-drip tip	369 240	

Non-drip tips are manufactured in brass.

All models include inlet swivel with shroud and the outlet listed for each model.



# HANDLES & METERS: MECHANICAL MC8 Mechanical Handles

### MC8 Rotary Piston Mechanical Meter

SAMSON mechanical metered control valves are used at the end of hose assembly for measured dispensing of lubricants and antifreeze solutions in tough, intensive use applications



High accuracy within a large viscosity range

#### Superb protection against impacts and humidity

One piece polycarbonate based integral register housing and single molded pointer knob guarantee maximum integrity of the meter

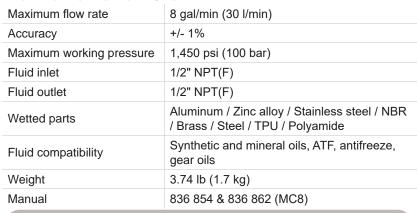
#### 5-digit totalizer

Simple and easy to read dial

#### Very tough metal construction

The meter is ideal for intensive use and outdoor applications

#### TECHNICAL SPECIFICATIONS



#### ORDER INFORMATION

Part No.	Description	Outlet Part No.
1-		

#### 4 - 16 QTS/GAL DIAL/TOTALIZER IN GALLONS for lubricants

	<b>365 805</b> Flexible outlet with quarter turn non-drip tip		369 247
365 806		Formable outlet with quarter turn non-drip tip	369 233
	365 802	60° Rigid outlet with quarter turn non-drip tip	369 231

#### 4 - 16 QTS/GAL DIAL/TOTALIZER IN GALLONS for antifreeze

365 826	Formable outlet with quarter turn non-drip tip	369 233
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#### 0 - 10 LITERS DIAL/TOTALIZER IN LITERS for lubricants

365 803		Flexible outlet with quarter turn non-drip tip	369 247
365 804 Formable outlet with quarter turn non-drip tip  365 801 60° Rigid outlet with quarter turn non-drip tip		Formable outlet with quarter turn non-drip tip	369 233
		60° Rigid outlet with quarter turn non-drip tip	369 231

#### 0 - 10 LITERS DIAL/TOTALIZER IN LITERS for antifreeze

824	Formable outlet with quarter turn non-drip tip	369 233
-----	--	---------





- Truck dealershipsFleet service
- Mining and construction
- Lube trucks
- · Railroad & mass transit vehicles

FLUIDS HANDLED

MARKETS SERVED

- Synthetic and mineral based oil
- Hydraulic oil
- Gear lube
- · Transmission fluid
- Antifreeze solutions

Technical specifications are subject to change without prior notice

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### **HANDLES & METERS:** MECHANICAL

#### MC8P Mechanical Handles





### MC8P Rotary Piston Mechanical Preset Meter

SAMSON mechanical preset metered dispense valves allow filling of large crankcases, engines and other lubricant reservoirs. For automatic operation, set the dial pointer to the quantity needed and actuate the trigger for automatic latching. The valve will deliver the volume requested and then shut off.

#### Superb protection against impacts and humidity

One piece polycarbonate based integral register housing and single molded pointer knob guarantee maximum integrity of the meter

#### Reliable reset mechanism

Incorporates a safety clutch for preserving the preset mechanism in case the knob is turned in the wrong direction

#### High wear and stress resistant shut off mechanism

#### 5-digit totalizer

Simple and easy to read dial

#### Very tough metal construction

The meter is ideal for intensive use and outdoor applications

#### **TECHNICAL SPECIFICATIONS**

Maximum flow rate	8 gal/min (30 l/min)
Accuracy	+/- 1 %
Maximum working pressure	1,450 psi (100 bar)
Fluid inlet	1/2" NPT(F)
Fluid outlet	1/2" NPT(F)
Wetted parts	Aluminum / Zinc alloy / Stainless steel / NBR / Brass / Steel / TPU / Polyamide
Fluid compatibility	Synthetic and mineral oils, ATF, gear oils
Weight	3.74 lb (1.7 kg)
Manual	836 868 (MC8P)

Not recommended for antifreeze solutions.

# MARKETS SERVED

#### • Truck dealerships

- Fleet service
- Mining and construction
- Lube trucks
- · Railroad & mass transit vehicles
- · Synthetic and mineral based oil
- Hydraulic oil
- Gear lube
- · Transmission fluid

ORDER INFORMATION				
Part No.	Description	Outlet Part No.		
0 - 60 QTS C	DIAL/TOTALIZER IN GALLONS			
365 817	Rigid outlet with semiautomatic non-drip tip	369 244		
0 - 60 GAL DIAL/TOTALIZER IN GALLONS				
365 813	Rigid outlet with semiautomatic non-drip tip	369 244		
0 - 60 LITERS DIAL/TOTALIZER IN LITERS				
365 811	Rigid outlet with semiautomatic non-drip tip	369 244		



### **HANDLES & METERS: SPECIALTY**

## Special Control Valves, Meters & Dispensers

Special Control valves are designed for use with pure antifreeze and water based solutions of antifreeze, windshield wash solutions, motor oils, gear oils & ATF.

# Non-metered/Metered Control Valve Water Based Fluids TECHNICAL SPECIFICATIONS

	186 300	365 575		
Maximum flow rate	8 ga	l/min		
Accuracy				
Maximum working pressure	570 psi (39 bar)	435 psi (30 bar)		
Fluid inlet	1/2" N	1/2" NPT(F)		
Fluid outlet	1/2" N	1/2" NPT(F)		
Wetted parts	Polyamide, brass stainless steel	Polyamide, brass stainless steel, PVC		
Fluid compatibility	Windshield wash, antifreeze	Windshield wash, coolant, antifreeze		
Manual	818 800 836 826			

ORDER INFORMATION	
186 300	Special Fluids Non-Meter 1/2"
365 575	Special Fluids Meter 1/2"



#### **FLUIDS HANDLED**

- Windshield wash
- Antifreeze solutions



#### **FLUIDS HANDLED**

- Synthetic and mineral based oil
- Hydraulic oil
- Gear lube
- Antifreeze solutions

## Preset Digital Meters Lubricants TECHNICAL SPECIFICATIONS

	2199	2199SF	365 300
Maximum flow rate	8 gal/min		
Maximum working pressure	1,000 psi (	(70 bar)	1,015 psi (70 bar)
Fluid inlet	1/2" NPT(F)		
Fluid outlet	1/2" NPT(F)		
Wetted parts	Acetal, SS, Buna-N, PU		Acetal, SS, brass, Buna-N, PU
Fluid compatibility	Motor/gear oil, ATF, hydraulic fluid	Windshield wash, antifreeze	Motor/gear oil, ATF, antifreeze, hydraulic fluid
Manual	M00227	M00227	

ORDER INFORMATION		
2199	Preset Electronic Meter	
2199SF	Preset Electronic Meter for Special Fluids	
365 300	Preset Electronic Meter-Adjustable Rigid Outlet	

### **HANDLES & METERS:** GREASE

### High Pressure Grease Handle





**High Pressure Grease Handles**High pressure grease dispenses handle with ergonomic body and trigger designed to reduce operator hand fatigue. Manufactured in aluminum with steel insert for high pressure.

Oval gear grease meter for all types of grease, with digital display and ergonomic grip. Progressive opening valve for excellent control of grease delivery. The gun includes inlet z-swivel and outlet hose with zerk connector.







413 077



#### **TECHNICAL SPECIFICATIONS**

	weterea	Non-Wetered
Maximum flow rate	2.2 lb/min (1 Kg/min)	
Maximum working pressure	7,250 psi (500 bar)	7,250 psi (500 bar)
Inlet	1/4" NPT(F)	1/4" NPT(F)
Outlet	1/8" NPT(F)	1/8" NPT(F)
Accuracy	+/- 3.0%	
Power Source	2x "AAA" 1.5 Batteries	
Wetted parts	Aluminum, Stainless Steel	Aluminum, Stainless Steel
Manual	M00091	M00091

- Mining equipment maintenance
- Truck dealerships

• Fleet service · Lube trucks

- Maintenance shops
- Mass transit maintenance
- Railroad
- Grease

ORDER INFORMATION		
413 077	Grease Control Handle, 3-Jaw Coupler	
413 080	Grease Control Handle, 3-Jaw Coupler, Rigid Outlet	
413 081	Grease Control Handle, 3-Jaw Coupler, 18" Steel Braided Hose	
413 082	Grease Control Handle, 3-Jaw Coupler, 18" Steel Braided Hose, Z-Swivel	
1177	Grease Control Handle, 3-Jaw Coupler, 18" Steel Braided Hose, Z-Swivel, In-line Grease Meter	

**FLUIDS HANDLED** 





### **HANDLES & METERS:** IN-LINE METERS

#### **OIL HANDLE ACCESSORIES In-Line Meters**

WALANTECINA DE LA CONTRACTOR DE LA CONTR	366 000	Max Working Pressure GPM Fluid Inlet Fluid Outlet Accuracy Power Source Wetted Materials	1,450 psi (100 bar) up to 8 gal/min 1/2" NPT(F) 1/2" NPT(F) +/05% 2x "AAA" 1.5 Batteries Acetyal, Aluminum, Stainless Steel, NBR, Zinc Plated Steel, TPU, Polyamide, PVC
SA MARIE DIN	366 060	Max Working Pressure GPM Fluid Inlet Fluid Outlet Accuracy Power Source Wetted Materials	1,450 psi (100 bar) up to 21 gal/min 1/2" NPT(F) 1/2" NPT(F) +/05% 2x "AAA" 1.5 Batteries Acetyal, Aluminum, Stainless Steel, NBR, Zinc Plated Steel, TPU, Polyamide, PVC
CAR PARTICIPAL DE LA CARDA DEL CARDA DEL CARDA DE LA C	366 010	Max Working Pressure GPM Fluid Inlet Fluid Outlet Accuracy Power Source Wetted Materials	1,450 psi (100 bar) up to 14 gal/min 1/2" BSPP(F) 1/2" BSPP(F) +/05% 2x "AAA" 1.5 Batteries Acetyal, Aluminum, Stainless Steel, NBR, Zinc Plated Steel, TPU, Polyamide, PVC
TA AND SCOTO	366 020	Max Working Pressure GPM Fluid Inlet Fluid Outlet Accuracy Power Source Wetted Materials	1,450 psi (100 bar) up to 14 gal/min 1/2" NPT(F) 1/2" NPT(F) +/05% 2x "AAA" 1.5 Batteries AISI 316 Stainless steel, Vectra, Viton
	366 855	Oval Gear In-Line Meter - Li	
BARAGON	366 856	Oval Gear In-Line Meter - Q	
		Max Working Pressure GPM Fluid Inlet Fluid Outlet Accuracy Wetted Materials	1,000 psi (70 bar) .26 to 7.1 gal/min (1-27 lpm) 1/2" NPT(F) 1/2" NPT(F) +/- 1% Acetyal, Aluminum, Stainless Steel, NBR, Zinc Plated Steel, TPU, Polyamide, PVC

#### GREASE HANDLE ACCESSORIES In-Line Meter - Oval



411 103

Max Free Flow Rate Max Working Pressure Fluid Inlet Fluid Outlet Accuracy

Power Source Wetted Materials 2.2 lb/min (1 Kg/min) 8,000 psi (552 bar) 1/8" NPT(F) 1/8" NPT(F) +/- 3.0%

2x "AAA" 1.5 Batteries Aluminum, Stainless Steel

121

### **HANDLES & METERS:** GREASE



#### Accessories

Oil Handle Acces	sories	
Multi-Color Mete	r Boots	
4444	369 606	Set of 4 colored boots for EC8 & CV11

#### CV24 & EC19 Dispense Outlets - 3/4" BSPP(M)

369 236	3/4" Flex Outlet 60 w/Tip
369 237	3/4" Rigid Outlet 60 w/Tip

#### MC8P Preset Dispense Outlets - 1/2" NPT(M)

369 244	Straight Outlet For Preset Meters
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#### CV11, EC8 & MC8 Dispense Outlets - 1/2" NPT(M)

	369 223	Straight Flex/Auto
	369 227	90 Flex/Manual
	369 229	90 Flex/Auto
	369 231	60 Rigid/Manual
1	369 233	Formable/Manual
1	369 240	Formable/Manual/Narrow
	369 221	1/4" BSPP(F) Small Auto Brass Tip
	369 222	1/4" BSPP(F) Turn Manual Brass Tip
	369 238	1/4" BSPP(F) Turn Brass Narrow Tip
	736 628	Bare Swivel 1/2" NPT(F)X 5/8" Marine thread

#### **Grease Handle Accessories**

#### Ridgid Outlet - 1/8" NPT(M)

1122	Rigid outlet, 3-jaw coupler
1120	Rigid outlet

#### Swivels

	1104	Z-swivel 1/4"NPT(M) x 1/2" 27(M)
A	1105	Z-swivel 1/4"NPT(M) x 1/4" NPT(F)
46	1108	Straight-swivel 1/4"NPT(M) x 1/2" 27(M)
-	1109	Straight-swivel 1/4"NPT(M) x 1/4" NPT(F)

#### Lock-on Coupler - 1/8" NPT(F)

121 060	5-Jaw lock-on coupler
1124	3-Jaw coupler HP
121 000	3-Jaw coupler HP Narrow
1224	4-Jaw coupler

#### Outlet Hose - 1/8" NPT(M)

1	140 030	Grease Outlet Hose 12" NPT(M) x 1/8" NPT(M)
1)	140 050	Grease Outlet Hose 18" NPT(M) x 1/8" NPT(M)
1	142 030	Grease Outlet Hose 12" NPT(M) x 1/8" NPT(M) with 3-jaw coupler
	142 050	Grease Outlet Hose 18" NPT(M) x 1/8" NPT(M) with 3-jaw coupler

Technical specifications are subject to change without prior notice



### **HANDLES & METERS:** ACCESSORIES

#### Accessories

#### Air & Fluid Service Outlets

<b>(31)</b>	1275	1/4" NPT(F) Air chuck
	1277	1/4" NPT(F) Inflator gauge
	1280	1/4" NPT(F) Water bibb

5	1282	1/4" NPT(F) Air blow gun
	9412 2048	1/4" NPT(M) x 3/8" NPT(F) Brass reducer

#### Oil Bar

For dispensing up to four bulk lubricants.

Removable catch pan easily contains spills and spring loaded non-drip dispense valve.





OB-1	1 Spigot oil bar
OB-2	2 Spigot oil bar
OB-3	3 Spigot oil bar
OB-4	4 Spigot oil bar
361 110	Spigot assembly oil bar - complete
366 550	In-line digital meter kit for oil bars
949 001	Hose connector kit for oil bar
1900	Spigot valve for PM2
	OB-2 OB-3 OB-4 361 110 366 550



### INTRODUCING **NEX-U-**

### All you need to control your fluid inventory





**U**⋅net

NEX·U·® Central Processing Unit. Controls and manages all components functions and communications, wired or wireless

#### **U**-track

NEX·U·® software. Included in the U·net, is the user and system interface. Generates useful reports, keeps control of inventory and can communicate with almost every DM system

#### U-dat

System keypad. With a full color, touch screen and a full QWERTY keypad provides full access to NEX·U·® and U·track



NEX·U·® provides you with the control and the information you require to make your operation more profitable. You will be able to account for every drop of lubricant and other service fluid used. On top of this, you will carry an efficient inventory control, with automatic alerts and fluid reordering when needed, eliminating operations downtime.

For almost any lubricant usage or operation size, with today's high cost for these fluids, NEX·U·® quickly pays for itself. Once it is paid for, savings go right to the operation's bottom line in form of profit previously lost.

NEX·U· $^{\circ}$  is a hybrid system that brings you all the advantages of wireless flexibility and hard-wired reliability:

#### Wireless flexibility

- Data can be transmitted wirelessly among the different system components, eliminating long and expensive cable runs
- · Easily adds new components when required as your needs grow
- System uses existing Wi-Fi<sup>®</sup> networks, simplifying its installation. No need for special, custom made, network components

#### Hard-wired reliability

- A constant and reliable power source is always present to power the solenoid valves that control fluid delivery
- · No uncharged batteries to let you down
- Hard-wired data transmission to avoid interferences and other obstacles which might interfere
  with wireless data transmission





#### For more information

Please contact your sales representative for assistance building and quoting this system.





Hand-held display with system access keypad



**U**-valve

All in one flow control unit. Includes pulse meter, solenoid valve, filter and electronic circuit board for operation control and communication with other system components



**U**-tank

Provides real-time inventory control and manages different alarm points





125









Tank Description	Gravity	Suction/Gravity	Suction	Suction/Gravity
Evacuation	Pump & cam-lock	Pump & cam-lock	Pressurized	Pressurized
Capacity	18 -27 gal	18 -27 gal	27 gal	18-27 gal

### **WASTE FLUID HANDLING**

SAMSON offers a variety of waste fluid collection units to meet any need in all kinds of vehicle maintenance shops.

Mobile gravity collectors are placed behind the waste fluid drain plug and the fluid is collected through a well dimensioned bowl. Once full, these collectors are discharged pressuring the containers or using a wall mounted evacuation pump.

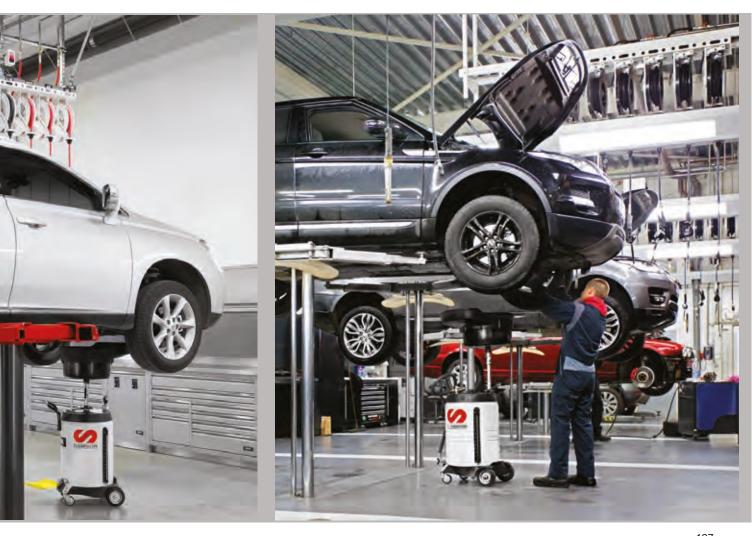
Additionally, SAMSON offers a wide selection of suction units, for collecting waste oil directly from the vehicle's engine using a suction wand inserted into the engine oil dipstick tube. Direct extraction from engine to storage tank eliminates operator contact with waste oil and spill. It also eliminates drain plug issues.

Mobile suction units operate using an air operated vacuum pump, with no moving, no subject to wear parts. EvacuMaster® mobile and stationary suction units operate using a high suction efficiency air operated piston pump.









### Waste F Handli

### **WASTE OIL DRAINS: GRAVITY UNITS**





#### ORDER INFORMATION

Part no.	Description	Service manua
MOTE PUMP	DISCHARGE	
3733	18 gallon gravity waste oil drain	SM837815
3723	27 gallon gravity waste oil drain	SM837809
RESSURE DISC	HARGE	
3734	18 gallon gravity waste oil drain	SM837812
3724	27 gallon gravity waste oil drain	SM837805

#### **Recommended Accessories**

737 968	Optional bowl extension

MARKETS SERVED

- Car and truck dealers
- Service shops
- Quick lubes

Mobile waste oil drains are used for gravity or suction collection of motor oil and gear oil, as well as other automotive, non-aggressive A-III class fluids like antifreeze.

Once full, depending on model, the reservoir can be discharged either using a remote pump through a dry-break or a cam-lock connector or pressurizing the unit reservoir at 3.5 psi (0.5 bar) maximum.

Antifreeze solutions

- Synthetic and mineral oils
- Waste oil

#### All models include

5 gallon capacity, height adjustable collection bowl and a level gauge

#### **Over-sized extension bowl**

All 27 gallon models include over-sized extension bowl for wider reach with anti-splash screen.

128

**FLUIDS HANDLED** 





# WASTE OIL DRAINS: SUCTION DRAINS



#### ORDER INFORMATION

Part no. Description Service manual

#### COMBINED OIL SUCTION AND GRAVITY COLLECTION UNITS

Can be used remotely once vacuum is created inside the steel reservoir. Telescopic collection bowl with extension bowl insert and anti-splash guard. Includes 8 pc wand kit 737 950

3725	27 gallon combined oil suction & gravity collection unit	SM837809
3720	27 gallon combined oil suction & gravity collection unit w/ 10 qt transparent chamber	SM837803

#### **OIL SUCTION UNITS**

Can be used remotely once vacuum is created inside the steel reservoir. Includes 8 pc wand kit 737 950

3726	27 gallon oil suction unit	SM837807
3721	27 gallon oil suction unit w/ 10 qt transparent chamber	SM837804

MARKETS SERVED

**FLUIDS HANDLED** 

- Car and truck dealers
- Service shops
- Quick lubes

Can be used remotely once vacuum is created inside the steel reservoir. Discharge through hose by pressurizing the unit.

#### **Collection Bowl**

Telescopic collection bowl with extension bowl insert and anti-splash guard, available on select models

#### 10 quart transparent chamber

Chamber may be used as vacuum reservoir and allows inspection of the extracted waste oil, available on selected models

Synthetic and mineral oilsWaste oil

129

### aste Fluid Handling

# WASTE OIL DRAINS: SUCTION DRAINS 6 & 18 GAL











#### ORDER INFORMATION

Part no. Description Service manual

#### **COMBINED OIL SUCTION AND GRAVITY COLLECTION UNITS**

Can be used remotely once vacuum is created inside the steel reservoir. Combo unit includes a 5 gal telescopic bowl for waste oil gravity collection. Includes 8 pc wand kit 737 950

3735	18 gallon waste oil suction collection unit	SM837875
3735	18 gallon waste oil suction collection unit	SM837875

#### **OIL SUCTION UNITS**

Can be used remotely once vacuum is created inside the steel reservoir. Includes 8 pc wand kit 737 950

3716	6 gallon waste oil suction collection unit	SM837806
3736	18 gallon waste oil suction collection unit	SM837875
3731	18 gallon oil suction unit	SM837810

# MARKETS SERVED

# FLUIDS HANDLED

- Car and truck dealers
- Service shops
- Quick lubes

#### **Collection Bowl**

Telescopic collection bowl with extension bowl insert and anti-splash guard, available on select models

#### 10 quart transparent chamber

Chamber may be used as vacuum reservoir and allows inspection of the extracted waste oil

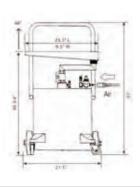
- Synthetic and mineral oils
- Waste oil



### **WASTE OIL DRAINS:** TRADITIONAL DRAINS

#### **Low Profile Pressurized Drain**





IN(MM)	1336		
Α	35" (889)		
<b>B</b> 21.5" (546)			
С	30 3/4" (781)		
<b>D</b> 46" (1168)			
SM843818			

1336

#### Low Profile Pressurized Drain

Collection bowl has a low profile design for use with motorcycles. Unit connects to a low pressure air supply. Pressure regulator and safety valve included.

#### Oil Drain



Oil drain designed for 16 gallon kegs, include a 17" steel drain bowl with 5 gallon capacity, unique keg cover with anti-leak lip, telescopic drain tube 16 gallon keg, bung adaptor and four wheel band dolly.

135 100 Include drain tu adaptor

16 Gallon Keg Kit Includes: drain bowl, keg cover, drain tube, level indicator, bung adaptor, and band dolly

1350

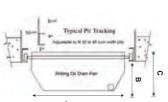
16 Gallon Keg ONLY

1347

5 Gallon Keg Kit Includes: drain bowl, drain tube, bung adaptor

#### **Rolling Pit Drains**





IN(MM)	1355			
Α	24" (609) L			
<b>B</b> 28" (711) W				
<b>C</b> 12" (304) H				
SM00044				

1355

1355

34 Gallon Rolling Pit Heavy-duty construction, with anti-splash screen. Accommodates 31 1/2" - 49 1/2" opening.

1356

Drain Valve Kit Includes: short nipple, quarter turn ball valve, cam-lock coupler

and dust cap

#### **Used Oil Wagon**





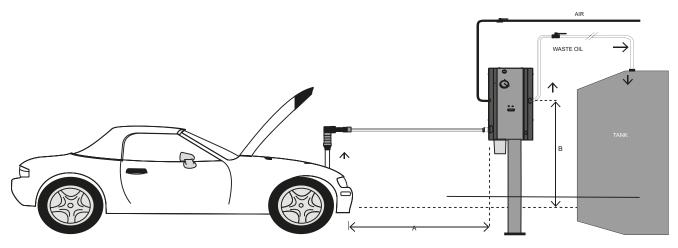
IN(MM)	1352
Α	49" (1244) L
В	24" (609) W
С	10" (254) H
	10" (254) H M00043

1352

28 Used Oil Wagon Only 9" high. Built in baffles and splash deflectors. Heavyduty, 14 gauge construction. Recessed shelf for draining filter. 6" HD wheels. Empties quickly, 3/4" drain valve. Can be easily connected to a pumping system for evacuation.

### **WASTE OIL DRAINS: EVACUMASTER**





TYPICAL INSTALLATION

Maximum installation distances:

A: Maximum distance 20' (6 m).

B: Maximum height between pump inlet and engine oil sump level, 3' (1 m).

#### EvacuMaster Waste Oil Suction Unit

Single point waste oil suction unit for collecting waste oil directly from the vehicle's engine using a suction wand inserted into the engine oil dipstick tube. The unit is installed alongside the service bay and provides the cleanest method for waste oil collection.

Direct extraction from engine to storage tank eliminates operator contact with waste oil and spills. It also eliminates the use of mobile units and all leaking drain plug issues.

An air operated pump, specially designed for suction applications, extracts the waste oil and pumps it to a remote storage tank. The unit includes a special piston pump for waste oil suction, on/off valve, air filter with pressure regulator, vacuum gauge for monitoring unit performance, extra large capacity suction filter, 9' (3 m) suction hose and complete kit of suction wands and adaptors.

### EvacuMaster Waste Oil Portable Unit

A portable version of our single point used fluid suction unit. Designed to collect used fluid from a vehicle using one of the included dipstick suction wands, or by connecting directly to the dipstick tube on some vehicles. The unit has two fixed large wheels with roller bearings and two heavy-duty casters.

The oil is extracted from the dipstick and pumped into the 27 gallon tank on board. This tank can be evacuated using pressurization into the shop's used fluid tank.

# MARKETS SERVED

FLUIDS HANDLED

Waste oil

Quick lubes

· Synthetic and mineral oils

Car and truck dealersService shops





### **WASTE OIL DRAINS: EVACUMASTER**









#### ORDER INFORMATION

Part no.	Description	Service manual
EvacuMaster W/	ASTE OIL SUCTION UNIT Includes 8 pc wand kit 737 950	
379 711	Wall mounted waste oil suction unit	CM027020
379 710	Pedestal mounted waste oil suction unit	SM837822
EvacuMaster W/	ASTE OIL PORTABLE UNIT Includes 8 pc wand kit 737 950	
379 707	EvacuMaster Portable: A portable version of our single point used fluid suction unit	SM837822
379 708	EvacuMaster Portable: with drain bowl	SIVI037022



#### **Recommended Accessories**

No.	506 503	20' x 5/8" HP Waste Oil Suction - Steel Shaft & Swivel 2,000 psi	
**	737 950	Wand and a oil suction u	daptor kit for use with all waste nits.
11		737 952	Flex-0.23 x 0.15 x 27.55"
222222		737 953	Flex-0.31 x 0.23 x 27.55"
		737 960 - qty 2	Flex-0.19 x 0.15 x 27.55"
11111111		737 958	Flex-0.23 x 0.15 x 47.24"
11111111		737 959	Flex-0.31 x 0.23 x 47.24"
		737 961 - qty 2	Flex-0.23 x 0.15 x 27.55"

### **WASTE OIL PACKAGES: DIAPHRAGM**









**Waste Evacuation** 

Waste Fluid Evacuation

Package Part No.	379 701	379 016	379 018
Application	1" UL	1" DF 100	1" DP 200
Pump	2836	551 030	555 030
Wall bracket	360 134	360 101	360 142
Air connection kit	362 921	362 920	362 921
Fluid connection hose	863	863	863 (5' x 1")
Suction kit	367 024	367 024	367 024
Pressure relief kit			



#### **U-Tank Basic**

Standalone tank controller capable to control up to 4 different inputs from digital level gauge and four 24 V DC outputs, one per each input. Each output can be connected to 24 V DC solenoid valves, remote alarms, flash lights, etc.

The system can be used to prevent tank overflow (maximum level sensor) or to prevent pump running dry and air entering the oil distribution lines (low level sensor).

#### **Standalone Tank Control System**

<b>383 101</b>	J•Tank Basic
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#### **RECOMMENDED ACCESSORIES**

	Digital level gauge			
382 201	Detects max., min., or intermediate tank volume. Height adjustable, includes 15' cable.			
381 158	Remote flash and acoustic alarm. 24 V DC			
381 401	Single Bung Dual Level Float Sensor			

#### Main features:

- Controls up to four channels; each channel can be assigned to a different tank, or multiple channels can be assigned to a single tank (i.e. Low level and high level sensors).
- Works as a standalone unit, no need to connect to auxiliary software or system
- Integrates an acoustic alarm (buzzer type). An external alarm (24 V DC) can also be connected
- Single button for setup, reset alarms and system test and key switch for by-pass mode control, setup access and system reboot.
- Works with 110 230 V AC power supply
- Two status LEDs: yellow on indicates Tank Sentinel is in by-pass mode; white on indicates Tank Sentinel is on.
- Each channel has a red status LED. LEDs will blink when the input of the corresponding channel has been triggered (i.e. low level is reached)
- Each channel has a digital input, for contact level gauges. Each input triggers a 24 V DC output for controlling solenoid valves, relays, external alarms, etc.
- Inputs and outputs can be configured as "normally-open" or "normally closed" to fit different applications.
- Required voltage: 110/60 Hz and 240/50 Hz V AC





### **ACCESSORIES:** EVACUATION

		Acces	sories		
Cam-lock Couple	P.T		Strainers		
	CAM 7D	3/4" NPT(F) Cam-lock	"T" Style		4110
	<b></b>	Coupler - Poly	elale		1" Polypropylene inline "T" strainer
Cam-lock Nipple			W	1589	Removable bowl and sturdy reusable 304 stainless steel 30 mesh
B	CAM 7F	3/4" NPT(M) Cam-lock			screen
TI.		Nipple - Poly	"Y" Style		
Cam-lock Plug &	Cap		No.		1" Cast Iron 'Y' Strainer
4	CAM 7C	3/4" F Cam-lock Cap		1089	Solid cast iron construction and 40 mesh screen
	CAM 7P	3/4" M Cam-lock Plug	Valve		
<b>Dry Break</b> Couple	ηŗ		_/	204 200	1" Four Way Reversing Valve
	<u> </u>	3/4" Dry Break Coupler	. 6	361 300	Four 1" NPT(F) ports
	1313	Ball check sealed coupler, 3/4" NPT(F)	Waste Oil Evacuation Reels		
<b>Dry Break</b> Nipple			~,,,		
		3/4" Dry Break Nipple	1	505 221	50' x 3/4" Inlet 3/4" NPT(F) Steel Shaft & swivel
	1314	Ball check sealed nipple, 3/4" NPT(F)	1		1,250 psi
Floats					
	OA1	Overfill warning valve Valve is used to shut-off the air supply to the pump when the tank approaches full capacity.		508 225	50' x 1" Inlet 1" NPT(F) Steel Shaft & swivel 1,250 psi
	OA1 Ext	Overfill warning valve Valve is used to shut-off the air supply to the pump when the tank approaches full capacity. 17 3/8" shut-off			







**Tankless Packages** 



**Cubet & Cage Packages** 

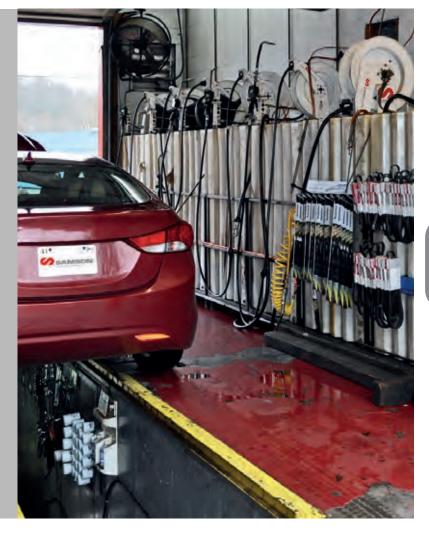


**Cubet & Dual Containment Packages** 

### **BULK DISPENSE**

SAMSON offers a wide range of bulk fluid dispense packages. If you supply your own tank we offer a range of equipment to make sure the delivery of the product will meet your expectations.

If you need a bulk storage container, with or without dual containment, we have you covered with our ULC listed CUBET packages for lubricants, DEF, or coolant. Our bulk dispense packages come in a variety of options to ensure you are able to dispense the product efficiently.



### **BULK DISPENSE:** TANKLESS PACKAGES







PM2 3:1 Package

Package does not include extension tube for the stub pump

Package Part No.	900 340	900 341
Pump	353 120	353 120
Hose Reel	506 202 (30' x 1/2")	1426 (40' x 1/2")
Delivery Handle	365 537	365 537
1/4" Mini Piggyback F/R	955	955
Quick Air Coupler	930F04	930F04
Quick Air Nipple	933M04	933M04







PM4 5·1 Package

Package does not include extension tube for the stub pump

Package Part No.	900 542	900 543	900 544
Pump	347 120	347 120	347 120
Hose Reel	506 222 (50' x 1/2")	506 222 (50' x 1/2")	506 222 (50' x 1/2")
Delivery Handle	365 537	365 806	2199
1/4" Mini Piggyback F/R	957	957	957
Quick Air Coupler	930F06	930F06	930F06
Quick Air Nipple	933M06	933M06	933M06







PM35 5:1 Package

Package does not include extension tube for the stub pump

Package Part No.	900 441	900 442	900 443
Pump	535 531	535 531	535 531
Hose Reel	504 250 (50' x 1/2")	504 250 (50' x 1/2")	504 250 (50' x 1/2")
Delivery Handle	365 537	365 806	2199
1/4" Mini Piggyback F/R	957	957	957
Quick Air Coupler	930F06	930F06	930F06
Quick Air Nipple	933M06	933M06	933M06

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Technical specifications are subject to change without prior notice



### **BULK DISPENSE: 140 GAL**



#### 140 GAL BULK FLUID DISPENSE PACKAGES

#### Complete bulk fluid dispensing packages

CUBET tanks are ULC listed and they are made from HD-8760 high density copolymer that offers the following advantages:

- Environmentally superior
- Long term UV stabilization
- 250 mil wall thickness
- Level always visible, no gauge needed
- No vent cap needed
- Will not leak or rust, seamless construction
- Dual containment steel basket that holds 110% of the tank volume



#### ORDER INFORMATION

Part No.	Hose Reel	Dispense Handle	Tank Type	
PM2 3:1 PACKA	<b>GE</b> for Oil-Tanks contain three 2" bung ope	enings		
3216	506 202 (30' x 1/2")	365 537	Cage	
3216P	506 202 (30' x 1/2")	2199	Cage	
3216DC	506 202 (30' x 1/2")	365 537	Dual Containment	
3216DCP	506 202 (30' x 1/2")	2199	Dual Containment	
DF50 PACKAGE 3217	for Windshield Wash Solutions-Tanks co	ntain three 2" bung openings 186 300	Cage	
3217DC	506 101 (30' x 3/8")	186 300	Dual Containment	
BARE TANKS				
3140	140 gal tank - tank and cage only		H 47"x W 35"	
3140DC	140 gal tank - tank and DC only		H 47"x W 43"	

Part No.

### **BULK DISPENSE: 230 GAL**



Tank Type



Hose Reel

#### 230 GAL BULK FLUID DISPENSE PACKAGES

#### Complete bulk fluid dispensing packages

CUBET tanks are ULC listed and they are made from HD-8760 high density copolymer that offers the following advantages:

- Environmentally superior
- Long term UV stabilization
- 250 mil wall thickness
- Level always visible, no gauge needed
- No vent cap needed
- Will not leak or rust, seamless construction
- Dual containment steel basket that holds 110% of the tank volume



#### ORDER INFORMATION

Dispense Handle

		'	runk rype
PM2 3:1 PACKA	<b>GE</b> for Oil-Tanks contain three 2" bung op	penings	
3232	506 202 (30' x 1/2")	365 537	Cage
3236	506 222 (50' x 1/2")	365 537	Cage
3236P	506 222 (50' x 1/2")	2199	Cage
3232DC	506 202 (30' x 1/2")	365 537	Dual Containment
3236DC	506 222 (50' x 1/2")	365 537	Dual Containment
3236DCP	506 222 (50' x 1/2")	2199	Dual Containment
PM4 5:1 PACKA	<b>GE</b> for Oil Tanks contain three 2" bung op	penings	
3238	506 222 (50' x 1/2")	365 537	Cage
3238P	506 222 (50' x 1/2")	2199	Cage
3239DC	506 222 (50' x 1/2")	365 537	Dual Containment
3239DCP	506 222 (50' x 1/2")	2199	Dual Containment
F50 PACKAGE	for Waterbased Fluids-Tanks contain th	ree 2" bung openings	
3228R	506 122 (30' x 1/2")	186 300	Cage
3328RDC	506 122 (30' x 1/2")	186 300	Dual Containment
BARE TANKS			
3223	230 gal tank - tank and cage only	H 67"x W 35"	
		H 67"x W 43"	

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Technical specifications are subject to change without prior notice



### **BULK DISPENSE: 330 GAL**



#### 330 GAL BULK FLUID DISPENSE PACKAGES

#### Complete bulk fluid dispensing packages

CUBET tanks are ULC listed and they are made from HD-8760 high density copolymer that offers the following advantages:

- Environmentally superior
- Long term UV stabilization
- 250 mil wall thickness
- Level always visible, no gauge needed
- No vent cap needed
- Will not leak or rust, seamless construction
- Dual containment steel basket that holds 110% of the tank volume







365 537



186 300

ORDER INFORMATION

506 Reel

Part No.	Hose Reel	Dispense Handle	Tank Type
PM2 3:1 PACKA	<b>IGE</b> for Oil-Tanks contain three 2" bung op	penings	
3332	506 202 (30' x 1/2")	365 537	Cage
3336	506 222 (50' x 1/2")	365 537	Cage
3336P	506 222 (50' x 1/2")	2199	Cage
3332DC	506 202 (30' x 1/2")	365 537	Dual Containment
3336DC	506 222 (50' x 1/2")	365 537	Dual Containment
3336DCP	506 222 (50' x 1/2")	2199	Dual Containment
PM4 5:1 PACK <i>A</i>	<b>AGE</b> for Oil Tanks contain three 2" bung op	penings	
3338	506 222 (50' x 1/2")	365 537	Cage
3338P	506 222 (50' x 1/2")	2199	Cage
3338DC	506 222 (50' x 1/2")	365 537	Dual Containment
3338DCP	506 222 (50' x 1/2")	2199	<b>Dual Containment</b>
DF50 PACKAGE	for Waterbased Fluids-Tanks contain th	ree 2" bung openings	
3328R	506 122 (30' x 1/2")	186 300	Cage
3328RDC	506 122 (30' x 1/2")	186 300	Dual Containment
BARE TANKS			
3333	330 gal tank - tank and cage only	H 67"x W 35"	
3333DC	330 gal tank - tank and DC only	H 67"x W 43"	













**Lever Action Pumps** 

**Pneumatic Pumps** 

**Electric Pumps** 

Accessories

### **DEF**

SAMSON offers a solutions for DEF dispensing for agricultural, construction and commercial vehicles. Our solutions are based either in an electric, multi-diaphragm pump or in an air operated double diaphragm pump. SAMSON kits can be used with 55 gallon drums or with totes. Packages may include a volume meter, automatic or manual delivery nozzle and hose reel depending on models.







### Lever Action Pump Kits

All polypropylene construction with EPDM seal, 2" BSP bung threads and a unique locking nut to allow the pump to be fixed in the proper position for dispensing.



	ORDER INFORMAT	TION
Part No.	Dispense Hose	Dispense Handle
300 602	750 540 (8" x 1")	361 003



### Standard Duty Pneumatic Pump Kits

Pump Kits may be used with 55 gal drums or IBC totes

Pneumatic kits are complete as shown. Assembly instructions are included.

(No suction coupler included, see DEF Accessories for suction couplers options)









#### ORDER INFORMATION

Part No.	Pump	Bracket	Outlet Hose	Dispense Handle	Meter	Inlet Hose
STANDARD DUTY	PNEUMATIC PUM	<b>P KITS</b> Directflo® I	Pumps - Non-Met	ered		
560 301A	552 164A	360 137	750 538 (20')	361 003		5'
560 303A	552 164A	360 137	750 538 (20')	688 303		5'
560 304A	552 164A	360 137	750 538 (20')	688 303	366 760	5'

#### **Recommended Accessories** Band Dollies



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### **DEF:** ELECTRIC PUMP PACKAGES



### Electric Pump Packages

Pump Kits may be used with 55 gal drums or IBC totes

- Electric pump kits (120V) are complete as shown with a 10' power cord.
- All packages include:
  - Suction hose
  - · Discharge hose
  - Drip tray
  - Side mount bracket

(No suction coupler included, see DEF Accessories for suction couplers options)



	ORDER INFORMATION					
Part No.	Pump	Bracket	Dispense Handle	Meter		
ELECTRIC PUMP PA	<b>ELECTRIC PUMP PACKAGES</b> Pump packages may be used with IBC totes or add a cart to build a protable 55 gal drum package					
560 300	560 215 120V AC	2080	361 001			
560 301	560 215 120V AC	2080	361 001	366 010		
560 310	560 215 120V AC	2080	688 303			
560 311	560 215 120V AC	2080	688 303	366 010		
560 400	560 212 12V DC	2080	361 001			
560 401	560 212 12V DC	2080	361 001	366 010		
560 410	560 212 12V DC	2080	688 303			
560 411	560 212 12V DC	2080	688 303	366 010		

#### **Recommended Accessories** Band Dollies



1305

Heavy-duty 3 wheel platform truck for 55 gal drum

### **DEF:** DIAPHRAGM PUMP PACKAGES





### **AODD Pump Packages**

Pump packages may be used with 55 gal drums or IBC totes

- All packages include:
  - Suction hose
  - · Discharge hose
  - Drip tray
  - Side mount bracket

(No suction coupler included, see DEF Accessories for suction couplers options)



552 164AA









ORDER INFORMATION

Part No.	Pump	Bracket	Dispense Handle	Meter

#### **AODD PUMP PACKAGES** Pump packages may be used with IBC totes or add a cart to build a protable 55 gal drum package

559 000	552 164A	2080	361 001	
559 001	552 164A	2080	361 001	366 010
559 010	552 164A	2080	688 303	
559 011	552 164A	2080	688 303	366 010

#### **Recommended Accessories** Band Dollies



1305

Heavy-duty 3 wheel platform truck for 55 gal drum





### **DEF:** PNEUMATIC PUMP PACKAGE



### Pneumatic Package

Premium pneumatic heavy-duty stationary packages

	555 004
DF50 Poly Pump	552 164
Mounting Plate	94112045
DEF Meter 1/2" BSPP	366 010
Meter Bracket	94112053
LP DEF Hose 30' x 1/2"	506 762
LP Hose 5' x 1/4"	802
DEF Hose 9' x 3/4"	750 526
SS Nozzle/Auto Shut-off	833 722
1/4" Mini Piggyback F/R	955
Nipple 1/2" x 1/2" BSPP	93160008





#### **DEF Reels**

Part No.	Hose Length	Hose I.D.	Outlet Thread	Max. Working Pressure	Net Weight	Reel Only With Swive Part No.
<b>506 Series LOW PRESSURE DEF</b> stainless steel shaft and acetal swivel - inlet 1/2" BSPP						
506 702	30'	1/2"	1/2" BSPP(M)	300 psi	28.7 lb	506 976
506 722	50'	1/2"	1/2" BSPP(M)	300 psi	34.1 lb	506 978
<b>505 Series LOW PRESSURE DEF</b> stainless steel shaft and acetal swivel - inlet 3/4" NPT(F)						
505 550	50'	3/4"	3/4" BSPP(M)	300 psi	85 lb	505 502







#### DF Pumps

Part No.	552 164A	551 164A
Application	DF50 Pump 14 GAL/MIN	DF100 Pump 28 GAL/MIN
Pump pressure ratio	1:1	1:1
Maximum free flow rate	14 gal/min (52 l/min)	28 gal/min (100 l/min)
Maximum suction lift	26' (8m)	23' (7 m)
Minimum air pressure	22 psi (1.5 bar)	22 psi (1.5 bar)
Maximum air pressure	115 psi (8 bar)	115 psi (8 bar)
Max size solid suspension	1/8" (3 mm)	3/16" (4 mm)
Air inlet	3/8" NPS(F)	3/8" NPS(F)
Fluid outlet	1/2" BSPP	1" BSPP
Fluid inlet	1/2" BSPP	1" BSPP
Wetted materials	Polypropylene, Buna-N, Hytrel, Aluminum, Stainless steel, Acetal	Polypropylene, Buna-N, Hytrel, Aluminum, Stainless steel, Acetal
Mounting Footprint	4 9/64" x 4 9/64"	Poly 8 1/2" x 8 37/64"
Manual	855 822	855 822





### Electric Diaphragm

Part No.	560 215	560 212
Application	120V AC	12V DC
Maximum delivery	8 gal/min	8 gal/min
Maximum working pressure	23 psi	23 psi
Inlet/Outlet ports	1" BSPP(M)	1" BSPP(M)
Voltage	115 VAC	12 VDC
Maximum current	2 amp	13 amp
Motor protection	IP55 <sup>(1)</sup>	IP55 <sup>(1)</sup>
Accessories	60" power cord w/three prong plug and off/on switch	60" power cord w/three prong plug and off/on switch
Manual	856 809	856 810

(1) IP55, valid for outdoor use





# **DEF:** COMPONENTS





#### **DF Handles**

Package Part No.	361 001	688 303
Application	3/4" (F) Barb Manual	3/4" BSPP(F) Auto
Trigger	Locking	Automatic Shut-off
Max flow rate	20 gal/min (75.7 l/min)	11.9 gal/min (45 l/min)
Max working pressure	50 psi (3.45 bar)	72.5 psi (5 bar)
Wetted parts	Polyethylene	Stainless Steel, Viton





#### **DEF Meters**

Package Part No.	366 760	366 010	
Application	1/2" BSPP Turbine	1/2" BSPP	
Maximum working pressure	145 psi (10 bar)	1,450 psi (100 bar)	
Gal/min	up to 26.4 gal/min	up to 14 gal/min	
Fluid Inlet	1" BSPP(M)	1/2" BSPP(F)	
Fluid Outlet	1" BSPP(M)	1/2" BSPP(F)	
Accuracy	+/05%	+/05%	
Power Source	2x "AAA" 1.5 Batteries	2x "AAA" 1.5 Batteries	

# **DEF:** SUCTION SYSTEMS







#### Suction Kits

Package Part No.	910 330	910 331
Application	RSV SS/SS - 31.5" downtube	RPV Composite - 31.5" downtube
Dispense Head	910 311	910 311P
Insert	910 312	910 313P
Dip Tube 31.5"	910 314	910 314

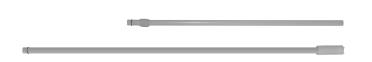
# **Suction Systems** Coupler

	910 311	Micromatic RSV SS/SS coupler
4	910 311P	Micromatic RPV composite coupler

#### Insert

	910 312	Micromatic RSV /SS Insert NPT thread - four prong			
	910 313	Micromatic RSV /SS Insert course buttress thread - four prong			
1	910 313P	Micromatic RPV composite Insert course buttress thread - four prong			

#### Downtube



910 314	31.5" Micromatic drum downtube
910 317	60" Micromatic drum downtube





### **DEF:** ACCESSORIES

#### Carts & Dollies

	1304	Band type dolly for 5 gal pail and 16 gal kegs
25 2	1306	X-frame type dolly for 55 gal drum
	1307	Standard-duty platform truck for 55 gal drum
	1305	Heavy-duty 3 wheel platform truck for 55 gal drum

#### **Mounting Brackets**

2080	Side mount tote bracket
360 137	Mounting bracket for 16 gal keg for DF30 & DF50

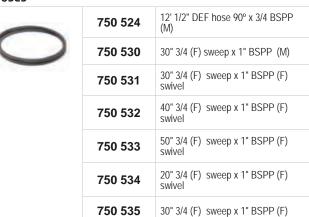
#### Couplers



#### **Fittings**



#### Hoses













**Grease Guns** 

**Bucket Pumps** 

**Lube Dispensers** 

**Drum Pumps** 

Accessories

# **LUBRICATION TOOLS**





Lubrication Tools





## **LUBE TOOLS:** GREASE FITTINGS

### **Grease Fittings**

1/4" - 28 Tap	oer				10 qty	50 qty	100 qty	500 qty
.,	M			1/4" - 28 Taper thread, short, straight	651 010	651 050	651 100	651 500
8	즐	de	<b>686</b>	1/4" - 28 Taper thread, med, straight	652 010	652 050	652 100	652 500
慧		T	W.	1/4" - 28 Taper thread, long, straight	653 010	653 050	653 100	653 500
651	652	657	656	1/4" - 28 Taper thread, 90° angle	656 010	656 050	656 100	656 500
				1/4" - 28 Taper thread, 45° angle	657 010	657 050	657 100	657 500
Metric					10 qty	50 qty	100 qty	500 qty
	-			6 mm x 1.0, straight	691 010	691 050	691 100	691 500
	$\mathbf{H}$		-000	8 mm x 1.0, straight	692 010	692 050	692 100	692 500
닖		40	1000	6 mm x 1.0, 45° angle	694 010	694 050	694 100	694 500
	=	-	100	8 mm x 1.0, 45° angle	695 010	695 050	695 100	695 500
691	692	697	698	6 mm x 1.0, 90° angle	697 010	697 050	697 100	697 500
				8 mm x 1.0, 90° angle	698 010	698 050	698 100	698 500
1/4" Pipe					10 qty	50 qty	100 qty	500 qty
		Ch.		1/4" Pipe thread, straight	687 010	687 050	687 100	687 500
	687	689		1/4" Pipe thread, 65° angle	689 010	689 050	689 100	689 500
I/8" Pipe					10 qty	50 qty	100 qty	500 qty
~~				1/8" Pipe thread, 30° angle	671 010	671 050	671 100	671 500
		-		1/8" Pipe thread, 65° angle, short	672 010	672 050	672 100	672 500
		2	4	1/8" Pipe thread, 90° angle	673 010	673 050	673 100	673 500
672	673			1/8" Pipe thread, short, straight	674 010	674 050	674 100	674 500
( ) Jan	R			1/8" Pipe thread, 65° angle, long	675 010	675 050	675 100	675 500
	W		ĺ	1/8" Pipe thread, 45° angle	678 010	678 050	678 100	678 500
678	674	679		1/8" Pipe thread, long, straight	679 010	679 050	679 100	679 500
Drive Type					10 qty	50 qty	100 qty	500 qty
-		(1)		1/4" Drive type, straight	662 010	662 050	662 100	662 500
ਜ	1	曾		3/16" Drive type, straight	666 010	666 050	666 100	666 500
662	666	668		5/16" Drive type, straight	668 010	668 050	668 100	668 500
Buttonhead	d fittings				10 qty	50 qty	100 qty	500 qty
				Standard - 1/8" MPT	1290 010	1290 050	1290 100	1290 500
	38	46		Standard - 1/4" MPT	1291 010	1291 050	1291 100	1291 500
	U	U		Giant - 1/4" MPT	1292 010	1292 050	1292 100	1292 500
	1290	1292		Giant - 3/8" MPT	1293 010	1293 050	1293 100	1293 500

### **LUBE TOOLS:** GREASE GUNS



#### **GREASE GUNS** 14 oz Cartridge & 16 oz bulk

Universal grease guns to be used with 14 oz (400 g) grease cartridges or with bulk grease. Bulk grease loading by suction or using a filler pump

1200	Standard Duty  Max Working Pressure 7,500 psi (500 bar)  Flow 0.04 oz per stroke  Thread 1/8" NPT  Standard duty grease gun complete with rigid pipe outlet and 3 jaw coup includes port for optional filler fitting	oler;
1205	Heavy-duty  Max Working Pressure 7,500 psi (500 bar)  Flow 0.04 oz per stroke Thread 1/8" NPT  Heavy-duty gun complete with rigid pipe outlet and 3 jaw coupler; also in fitting and vinyl handle grip	ncludes filler
1206	Heavy-duty  Max Working Pressure  7,500 psi (500 bar)  Flow  0.04 oz per stroke  Thread  1/8" NPT  Heavy-duty gun complete with rigid pipe outlet and 3 jaw coupler; also in flex hose outlet, filler fitting and vinyl handle grip	ncludes 12"

#### **GREASE GUNS - PROFESSIONAL SERIES** 14 oz Cartridge & 16 oz bulk

Professional Series gun with variable stroke handle for use in heavy-duty constant use applications

S .		, ,	• •
	1210	_	7,500 psi (500 bar) 0.04 oz per stroke 1/8" NPT  Ides filler fitting, air bleeder valve, rigid pipe outlet with rip and removable valve checks.
	1212		7,500 psi (500 bar) 0.04 oz per stroke 1/8" NPT  Ides filler fitting, air bleeder valve, 360° adjustable rigid r, vinyl handle grip and removable valve checks.





### **LUBE TOOLS: GREASE GUNS**

#### MANUAL HANDHELD GREASE GUNS Pistol grip series

Heavy-duty high pressure cast iron head. Straight outlet pipe and coupler with ball check and hardened jaws. Heavy-duty rod, spring and follower.

roa, spring and follower.			
	1220	Heavy-duty high pressure cast iron head. Straight outlet pipe and coupler with ball check and hardened jaws	
	1221	Heavy-duty high pressure cast iron head. 12" flex hose and coupler with ball check and hardened jaws	
	1222	Heavy-duty high pressure cast iron head. Straight outlet pipe and coupler with hardened jaws, Removable valve checks for ease of maintenance, air bleeder valve	
	1227	Heavy-duty high pressure cast iron head. 12" flex hose and coupler with hardened jaws, Removab valve checks for ease of maintenance, air bleeder valve	
	1230	Single shot non-reciprocating 40:1 air motor Filler fitting for 3-way loading Air bleeder valve Curved outlet pipe and coupler Baked enamel and zinc plate finish	
	1233	Heavy-duty Working Pressure 60:1 Thread 1/4" NPT(F)  Combination bleeder valve and filler fitting, 3-way loading., Heavy-duty rod, spring and follower. Curved outlet pipe and coupler with ball check and hardened jaws	

**BATTERY OPERATED GREASE GUN** 18V Li-ION Battery grease gun suitable for use with either bulk grease loading or grease cartridges. Li-ION battery for lighter weight and improved battery life.





- · Heavy-duty carrying case
- 1 rechargeable battery pack
- 1 hour 120 V quick battery charger
- 36" grease outlet hose with spring kink protector & 3 jaw grease coupler
- Air bleeder valve

	Air bleeder valve				
	Battery packs	1 x 18V / 1500 mAh			
160 101	Battery charger	1 hour, 120V			
	Max pressure	8,000 psi (450 bar)			
	Total weight (approx.)	18.7 lbs (8.5 kg)			
	Gun weight (approx.)	8.4 lbs (3.8 kg)			
	Delivery hose length	36" (105 cm)			
	Flow rate	3 oz/min (90 g/min)			
	Case dimensions	16 1/2" x 21 1/2" (420 mm x 550 mm)			
169 004	Carry case				
710 776	Grease barrel	Grease barrel			
946 402	Grease barrel to gun head seal				
169 012	Outlet hose				
169 011	120v Li-ION battery charger				
169 009	18v Li-ION battery pack				

## **LUBE TOOLS:** BUCKET PUMPS









#### **ORDER INFORMATION**

Part No. Description Service manual

#### **BUCKET PUMPS**

Bucket pumps include a 35 lb leak proof, all steel oval shaped bucket with carrying handle and foot rest for easy handling & stability.

1996	<b>GREASE BUCKET PUMP MUL</b> for use with NLGI-1 Grease	TI PRESSURE - 35 LB	SM815800
	Includes: 7' grease hose	Pressure: 6,000 psi lever action	
	hydraulic coupler	Capacity: .04, .03, .02 lb depending on lever position	
1995	OIL BUCKET PUMP MEDIUM for use with high viscosity I		SM815800
	Includes: 5' rubber hose		
	shut-off valve		
	135° angled nozzle		
1984	<b>GREASE BUCKET PUMP HIGI</b> for use with NLGI-1 Grease	UCKET PUMP HIGH PRESSURE - Fits 35 lb pail th NLGI-1 Grease	
	Includes: 5' rubber hose	Pressure: 5,000 psi lever action	
	pipe with coupler	Capacity: .06 oz	
	follower plate & cover		
GREASE BUCKET PUMP HIGH PRESSURE - Fits 120 lb keg for use with NLGI-1 Grease		SM815805	
	Includes: 5' rubber hose	Pressure: 5,000 psi lever action	
	pipe with coupler	Capacity: .06 oz	
	follower plate & cover		



# **LUBE TOOLS:** FILLER & GUN EQUIPMENT

#### Filler Fittings, Couplers & Adaptors

	1209	Small Filler Nipple
	1213	Large Filler Nipple
	1214	Air Bleed Valve
	1226	Standard Button Head Coupler
1	1228	Giant Button Head Coupler

S	1237	Clamp Style Grease Gun Holder
	1251	Rubber Tip Adaptor
	1252	Needle Nose Adaptor
	1265	90° Adaptor w/Lock Sleeve

#### **Grease Outlet Hoses** for Hand Operated Equipment

1	1	1	
•	1	,	1
		)	
at a	/	/	

1260	Whip Hose 12"
1262	Whip Hose 18"
1264	Whip Hose 24"
141 075	Whip Hose 30"

### Grease Outlet Hoses 3,000 PSI 1/8" NPT(M)



#### **Grease Outlets** for use with air operated equipment

(110)	1224	4 Jaw narrow coupler 1/8" NPT(M)
	1124	3 Jaw HP coupler 1/8" NPT(M)
	121 000	3 Jaw HP coupler narrow
	121 060	5 ball lock-on coupler 1/8" NPT(F)

巴	1122	Angled rigid outlet w/1124 coupler 1/8" NPT(M)
	1120	Angled rigid outlet 1/8" NPT(M)

### **LUBE TOOLS: FILLER PUMPS & DISPENSERS**





#### **ORDER INFORMATION**

Part No. Description

#### **GREASE FILLER PUMPS**

OIVENDE I IEEEN	ruiro
	GEAR OIL DISPENSER - Fits 5 gal pail
1986	Includes: Pump, 5' hose, cover, curved pipe with anti-drip tip
1988	GREASE GUN FILLER PUMPS - Fits 35 lb pail
1900	Includes: Pump, filler valve, cover, dust cap and filler cap
1991	BEARING PACKERS - Fits 35 lb pail
1331	Includes: Pump, cover, packer, dust cap and follower plate
	FILLER PUMPS FOR CENTRALIZED GREASING UNITS - Fits 35 lb pail
1987	Includes: Pump, cover, 5' transparent hose, 2-HK (1/4") hydraulic connector. For use with grease up to NLGI-0.

#### **PORTABLE HAND OPERATED LUBE PUMPS** - 16 gal keg - for use with gear lube & ATF

Includes: Hand operated pump with cover mounting adaptor, 4-wheel dolly, drum cover, 5' fluid hose,

1011	Portable lube pump package - non-metered
1021	Portable lube pump package - metered (366 000)

#### **PRESSURIZED LUBE DISPENSER** - 6 1/2 gal tank

Portable air pressurized unit for gear oils and other fluids. No hand pumping required. Ideal for remote services, on the job site, outside the garage or anywhere an air supply is unavailable.

Includes: sight gauge, 5' clear visible dispensing hose and electronic meter fluid control handle.

1322	Pressurized lube dispenser - metered
1320	Pressurized lube dispenser - non-metered



### **LUBE TOOLS: DRUM PUMPS - OIL**



#### **ORDER INFORMATION**

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

#### **DRUM PUMPS** for nil

KUM PUMPS IU	ii Uii
	<b>HIGH PERFORMANCE</b> - Fits 16 gal keg - 55 gal drum
605 000	Lever action transfer pump for use with all types of lubricants, even those with higher viscosity, like gear oil. Lever can be mounted in four different positions to change the delivery volume per stroke: from 0.48 to 0.96 qts. Pump includes telescoping suction tube with bung adaptor
314 540	OPTIONAL DELIVERY HOSE - 5' rubber, shut-off valve, and nozzle
	<b>DRUM PUMP FOR FLUIDS</b> - Fits 16 gal keg - 55 gal drum
1240	Lever action barrel pump. Steel pump body, spout and telescopic suction tube. Die cast head, steel piston, brass rings and nitrite rubber seals. Ideal for use with light viscosity lubricants and other non-corrosive fluids. Capacity per stroke: 0.48 qts.
	<b>LEVER ACTION DRUM PUMP</b> - Fits 16 gal keg - 55 gal drum
1243	Lever action barrel pump. Steel pump body, spout and telescopic suction tube. Die cast head, steel piston, brass rings and nitrite rubber seals. Ideal for use with usable with alcohols, detergents, solvents, oils and antifreeze.

#### ROTARY PUMPS - Fits 16 gal keg - 55 gal drum

Bi-directional operation. Delivery is rated at over 3.75 gal/min at 60 cpm. Includes adjustable bung, 3 piece down tube 13" - 37". Capacity per stroke: 0.26 quart.

8013	Lightweight Rotary Pump - PVC
1245	Heavy-duty Rotary Pump - Cast Iron

#### **MEDIUM PRESSURE LUBE PUMPS**

Lever action transfer pump for high viscosity lubricants. Pumps include: 2" bung adaptor, cover, pump with steel suction tube, foot valve & piston, and NBR seals. Delivery .03 gal per stroke. outlet: 3/4" NPT(M)

306 100	Lube Pumps - fits16 gal keg
306 400	Lube Pumps - fits 55 gal keg
730 603	Angled Spout - Fits to pump outlet

### **LUBE TOOLS: DRUM PUMP SPECIALITY FLUID**





#### ORDER INFORMATION

Part No. Description

#### **LEVER ACTION PUMPS**

Lever action pumps with a unique toggle mechanism that provides a very smooth operation. Pumps are manufactured in polypropylene and include a 2" bung adaptor with a lockable nut that allows placing the pump in its optimal position for an easier lever action. Pump delivery per stroke: 16 oz. Includes delivery hose.

3006	LEVER ACTION - Polypropylene/EPDM blue pump
3000	EPDM seals For use with DEF
3007	LEVER ACTION - Polypropylene/Viton red pump
3007	Viton seals For use with wide range of chemicals
	LEVER ACTION - Polypropylene/NBR white pump
3009	NBR seals For use with lubricants
8010	6' Polypropylene dispensing hose

#### NYLON BARREL PUMP - Fits 16 gal keg - 55 gal drum

Barrel pump. Constructed of nylon, stainless steel and special packings. Fits 16 - 55 gallon drums with a 2" bung opening. Dispenses strong chemicals and solvents at approximately 8 oz per stroke.

	NYLON BARREL PUMP - For use with strong chemicals and solvents
1247	Portable lube pump package - metered (366 000)

#### **CHEMICAL HAND PUMP** - Fits 16 gal keg - 55 gal drum

Grade 316 stainless steel lift pump with PTFE seals, includes 2" bung. Full 33" stroke, delivers 0.86 qt per stroke. 37" down tube for 16 - 55 gallon drums. Bung height adjustable from 14" to 35 1/2". Stainless steel outlet spout included.

5807	CHEMICAL HAND PUMP - For use with lubricants
5807	<b>LHEMILAL HAND PUMP</b> - For use with lubricants









Couplers & Connectors



Fittings



**Valves** 



**Brackets** 

# **INSTALLATION ACCESSORIES**

Technical specifications are subject to change without prior notice



## **ACCESSORIES:** AIR SYSTEM MANAGEMENT



#### Air Regulator & Gauge



970	1/4" Air regulator w/gauge
973	3/8" Air regulator w/gauge
976	1/2" Air regulator w/gauge
980	3/4" Air regulator w/gauge

#### Lubricators



971	1/4" Lubricator
974	3/8" Lubricator
977	1/2" Lubricator
981	3/4" Lubricator

#### Filter, Regulator, Lubricators



Auto Drain	
983	1/4" FRL with auto drain
984	3/8" FRL with auto drain
985	1/2" FRL with auto drain
986	3/4" FRL with auto drain
987	Mounting Bracket for 1/4" & 3/8"
988	Mounting Bracket for 1/2" & 3/4"

#### Manual Drain

983M	1/4" FRL with manual drain
984M	3/8" FRL with manual drain

#### Filters w/ Auto Drains



972	1/4" Filter w/auto drain
975	3/8" Filter w/auto drain
978	1/2" Filter w/auto drain
982	3/4" Filter w/auto drain

#### Gauges



979	1/4" Gauge w/standard rear mount
994	3/8" Gauge w/mini rear mount

#### Filter, Regulator Combo



Auto Drain		
956	1/4" F/R w/gauge auto drain	
957	3/8" F/R w/gauge auto drain	
958	1/2" F/R w/gauge auto drain	
952	3/4" F/R w/gauge auto drain	
Manual Drain		
956M	1/4" F/R w/gauge manual drain	

### Mini Units



Auto Drain	
991	1/4" Mini air regulator gauge
993	1/4" Filter
995	1/4" Mini F/R/L w/gauge
955	1/4" Mini F/R w/gauge

3/8" F/R w/gauge manual drain

#### Manual Drain

957M

955M	1/4" Mini F/R/L w/o	gauge
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#### **Couplers & Connectors**

1/4" Body Size



930F04	Air Coupler 1/4" (F)	
930F06	Air Coupler 3/8" (F)	
933M04	Air Connector 1/4" (M)	
933M06	Air Connector 3/8" (M)	

#### 1/2" Body Size

EASA)	938F08	Air Coupler 1/2" (F)
	947M08	Air Connector 1/2" (M)



### **ACCESSORIES: FITTINGS**

#### Hex Nipple (NPTM X NPTM)



2050	1/8" x 1/8"
2044	1/8" x 1/4"
2521	1/8" x 3/8"
2051	1/4" x 1/4"
2048	1/4" x 3/8"
2522	1/4" x 1/2"
2052	3/8" x 3/8"
2035	3/8" x 1/2"
2523	3/8" x 3/4"
2053	1/2" x 1/2"
2094	1/2" x 3/4"
2054	3/4" x 3/4"
1953	3/4" x 1"
2055	1" x 1"

#### Reducing Adaptor (NPTM X NPTF)



,
1/8" x 1/4"
1/8" x 3/8"
1/8" x 1/2"
1/4" x 3/8"
1/4" x 1/2"
1/4" x 1/2"
3/8" x 1/2"
1/2" x 3/4"
1/2" x 3/4"

#### Bushing (NPTM X NPTF)



1/4" x 1/8"
3/8" x 1/8"
3/8" x 1/4"
3/8" x 3/8"
3/8" x 1/2"-27
1/2" x 1/8"
1/2" x 1/4"
1/2" x 3/8"
1/2" x 1/2"
3/4" x 1/4"
3/4" x 3/8"
3/4" x 1/2"
1" x 1/2"
1" x 3/4"
1 1/2" x 3/4"
1 1/2" x 1"

#### Couplings (NPTF X NPTF)



2067	1/8" x 1/8"
2068	1/4" x 1/4"
2069	3/8" x 3/8"
2058	3/8" x 1/2"
2070	1/2" x 1/2"
2071	3/4" x 3/4"
2537	3/4" x 1"
2073	1" x 1"

#### Swivel Union (NPSF X NPTM)



1942	1/4" x 1/4"
1944	3/8" x 1/4"
1948	3/8" x 3/8"
1951	3/8" x 1/2"
1943	1/2" x 3/8"
1949	1/2" x 1/2"
1957	1/2" x 3/4"
1945	3/4" x 1/2"
1952	3/4" x 3/4"
1954	3/4" x 1"
1955	1" x 3/4"
1946	1" x 1"

### Swivel Union (NPSF X NPTF)

Swivel unions, double female threads NPT female thread, NPSM swivel thread.



1/4" x 1/4"
3/8" x 1/4"
3/8" x 3/8"
1/2" x 3/8"
1/2" x 1/2"
3/4" x 1/2"
3/4" x 3/4"
3/4" x 1"
1" x 1/2"
1" x 3/4"
1" x 1"

### Swivel Union 90° (NPSF X NPTM)



	1947	1/4" x 1/4"
	1977	3/8" x 1/4"
}	1978	3/8" x 3/8"
	1979	3/8" x 1/2"
	1980	1/2" x 3/8"
	1981	1/2" x 1/2"
	1982	3/4" x 3/4"

Swivel Union 90° (NPSF X NPTF) Swivel unions, double female threads NPT female thread, NPSM swivel thread.



noda, iti om omitor anoda.	
1970	1/4" x 1/4"
1971	3/8" x 3/8"
1972	3/8" x 1/2"
1973	1/2" x 1/2"
1997	3/4" x 1/2"
1974	3/4" x 3/4"
1968	3/4" x 1"
1983	1" x 1/2"
1985	1" x 3/4"
1993	1" x 1"

#### Street Elbow (NPTF X NPTM)



2547	3/8" x 3/8"
2514	1/2" x 1/2"
2519	3/4" x 3/4"
2549	1" x 1"

#### Elbow 90° NPT



2513	1/2" NPTF
2512	1/2" NPTM

# **ACCESSORIES:** MEASURES, TANKS, VALVES



#### **Measures & Funnels**

4	2351	7 1/2" funnel with flex- spout, filter, anti-splash rim and finger grip
1	2352	Heavy-duty funnel with regular filter
	2353	Large heavy-duty funnel with diesel filter
	2377	5 qt. flex-spout, measure with lid quart & liter calibration
0	996 641	Flex spout for 2351 and 2377
•	992 377	Lid for 2377

#### **Tank Gauges** swing arm style float - 2" tank opening



2640	Tanks with 32" interior height
2641	Tanks with 44" interior height
2642	Tanks with 48" interior height
2643	Tanks with 60" interior height
2644	Tanks with 72" interior height

#### High Level Tank Sensor

Air operated float level sensor alarm with high level sensor and alarm whistle, rotating collar allows 360° indexing of float



OA1	Overfill warning valve Valve is used to shut-off the air supply to the pump when the tank approaches full capacity. 6 1/2" shut-off height
OA1EXT	Overfill warning valve Valve is used to shut-off the air supply to the pump when the tank approaches full capacity. 17 3/8" shut-off height

#### Fill Caps & Tank Vents

	2631	2" Vented style Fill Cap with hinged cover
	2632	2" Standard (mushroom) Vent
	2633	3" Emergency Vent
	2634	3" Emergency Vent

#### LP Ball Valves (F X F) 400 psi



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2013	1/4" NPT
2088	1/2" NPT
2091	3/4" NPT
2084	1" NPT

#### MP Ball Valves (F X F) 2,000 psi

	2074	1/2" NPT
	2083	3/4" NPT
	2090	1" NPT
	2082	1 1/2" NPT

#### HP Needle Valve (F X F) 10.000 psi



-	14114 (1 X1) 10,000 ps.		
	2077	1/2" NPT	
	2089	3/4" NPT	
	2093	1" NPT	

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Technical specifications are subject to change without prior notice



### **ACCESSORIES: REPLACEMENT HOSES**

#### **Air & Water** - 300 psi (20 bar)

Fabric reinforced hoses for use with low pressure air and water. For hose reel replacement hoses, please refer to the corresponding hose reel manual

Item #	Length	Fittings
1/4" ID with maximum pressure rating of 300 psi (20 bar)		
801	2.5'	1/4" NPT(M) swivel x 1/4" NPT(M) fix
802	5'	1/4" NPT(M) swivel x 1/4" NPT(M) fix
803	10'	1/4" NPT(M) swivel x 1/4" NPT(M) fix
805	25'	1/4" NPT(M) swivel x 1/4" NPT(M) fix
806	30'	1/2" NPT(M) swivel x 1/4" NPT(M) fix
808	40'	1/2" NPT(M) swivel x 1/4" NPT(M) fix
809	50'	1/2" NPT(M) swivel x 1/4" NPT(M) fix
3/8" ID with maximum pressure rating of 300 psi (20 har)		

812	2.5'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
813	5'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
814	10'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
815	15'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
816	25'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
817	30'	1/2" NPT(M) swivel x 3/8" NPT(M) fix
818	40'	1/2" NPT(M) swivel x 3/8" NPT(M) fix
819	50'	1/2" NPT(M) swivel x 3/8" NPT(M) fix
820	60'	1/2" NPT(M) swivel x 3/8" NPT(M) fix

#### 1/2" ID with maximum pressure rating of 300 psi (20 bar)

822	2.5'	1/2" NPT(M) swivel x1/2" NPT(M) fix
823	5'	1/2" NPT(M) swivel x1/2" NPT(M) fix
824	10'	1/2" NPT(M) swivel x1/2" NPT(M) fix
825	15'	1/2" NPT(M) swivel x1/2" NPT(M) fix
827	20'	1/2" NPT(M) swivel x1/2" NPT(M) fix
826	30'	1/2" NPT(M) swivel x1/2" NPT(M) fix
828	40'	1/2" NPT(M) swivel x1/2" NPT(M) fix
829	50'	1/2" NPT(M) swivel x1/2" NPT(M) fix
830	60'	1/2" NPT(M) swivel x1/2" NPT(M) fix
831	75'	1/2" NPT(M) swivel x1/2" NPT(M) fix
829 100	100'	1/2" NPT(M) swivel x1/2" NPT(M) fix

**Oil -** 2,000 psi (140 bar) Heavy-duty reinforced hoses for use with lubricants. For hose reel replacement hoses, please refer to the corresponding hose reel manual.

#### 1/2" ID with maximum pressure rating of 2,000 psi (140 bar)

Item #	Length	Fittings
845	2.5'	1/2" NPT(M) swivel x1/2" NPT(M) fix
846	5'	1/2" NPT(M) swivel x1/2" NPT(M) fix
847	10'	1/2" NPT(M) swivel x1/2" NPT(M) fix
848	15'	1/2" NPT(M) swivel x1/2" NPT(M) fix
849	20'	1/2" NPT(M) swivel x1/2" NPT(M) fix

850	25'	1/2" NPT(M) swivel x1/2" NPT(M) fix
851	30'	1/2" NPT(M) swivel x1/2" NPT(M) fix
853	40'	1/2" NPT(M) swivel x1/2" NPT(M) fix
854	50'	1/2" NPT(M) swivel x1/2" NPT(M) fix
855	60'	1/2" NPT(M) swivel x1/2" NPT(M) fix
856	75'	1/2" NPT(M) swivel x1/2" NPT(M) fix
854 100	100'	1/2" NPT(M) swivel x1/2" NPT(M) fix
1/2" ID with maximum pressure rating of 2,000 psi (140 bar)		
860	2.5'	3/4" NPT(M) swivel x 3/4" NPT(M) fix
857	5'	3/4" NPT(M) swivel x 3/4" NPT(M) fix
858	10'	3/4" NPT(M) swivel x 3/4" NPT(M) fix
861	20'	3/4" NPT(M) swivel x 3/4" NPT(M) fix
859	50'	3/4" NPT(M) swivel x 3/4" NPT(M) fix
1" ID with maximum pressure rating of 2,000 psi (140 bar)		
863	5'	1" NPT(M) swivel x 1" NPT(M) fix
863 451	50'	1" NPT(M) swivel x 1" NPT(M) fix

**Grease** - 4,000 - 5,000 psi (276-345 bar) Heavy-duty reinforced hoses for use with grease and lubricants. For hose reel replacement hoses, please refer to the corresponding hose reel manual.

#### 3/8" ID with maximum pressure rating of 4,000 psi (276 bar)

Item #	Length	Fittings
883	2.5'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
884	5'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
885	10'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
887	20'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
888	25'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
889	30'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
891	40'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
892	50'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
893	60'	3/8" NPT(M) swivel x 3/8" NPT(M) fix
894	75'	3/8" NPT(M) swivel x 3/8" NPT(M) fix

#### 1/4" ID with maximum pressure rating of 5,000 psi (345 bar)

., · · - · · · · · · · · · · · · · · · ·			
Item #	Length	Fittings	
870	2.5'	1/4" NPT(M) swivel x 1/4" NPT(M) fix	
871 000	5'	1/4" NPT(M) swivel x 1/4" NPT(M) fix	
877 000	7'	1/4" NPT(M) swivel x 1/4" NPT(M) fix	
872 000	10'	1/4" NPT(M) swivel x 1/4" NPT(M) fix	
873 000	15'	1/4" NPT(M) swivel x 1/4" NPT(M) fix	
874 000	20'	1/4" NPT(M) swivel x 1/4" NPT(M) fix	
875 000	25'	1/4" NPT(M) swivel x 1/4" NPT(M) fix	
850 706	30'	3/8" NPT(M) fix 1/4" NPT(M) fix	
878 000	40'	1/2" NPT(M) swivel x 1/4" NPT(M) fix	
879 000	50'	1/2" NPT(M) swivel x 1/4" NPT(M) fix	
880 000	60'	1/2" NPT(M) swivel x 1/4" NPT(M) fix	

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