

Pump 3 MASTER

32 Oz P.M.
3" Air motor piston - 1.5" stroke



55:1 Ratio high pressure grease pumps

High pressure grease pumps, handle all types of grease up to and including NLGI 2 directly from 35 lb., 120 lb., and 400 lb. grease containers. For portable and stationary systems which include pipe lines, hose reels and control handles.

Shovel type self priming product piston. Intake suction strainer assures non-fouling operation.

Highly efficient double action pump design assures even flow of fluid, low noise level (1) and low air consumption.

Efficient and reliable - Minimum maintenance.

Technical data (2)

| | |
|---|------------------------------|
| Max. air pressure | 140 psi (10 Bar) |
| Min. air pressure | 40 psi (3 Bar) |
| Average air consumption * | 5cu.ft/min (150 l/min) |
| Maximum delivery ** | 32 fl. oz/min (650 cc/min) |
| Max. press. output (air p. 10 Bar)8 | 100 psi (550 Bar) |
| Air motor diameter | 3" (70 mm) |
| Piston stroke | 1.5" (35 mm) |
| Suction strain daim. (pump foot) | 1.6" (38 mm) |
| Air inlet thread..... | 1/4" NPT (F) |
| Pump outlet thread..... | 1/4" NPT (F)(+1/2" 27M conn) |
| Bung adaptor thread..... | 2" (M) |

* At 70°F (20°C) Air pressure: 100 psi (7 Bar)
** Free outlet. Air pressure: 100 psi (7 Bar)
(1) Exceeds O.S.H.A. Environmental noise levels

Pump 4 MASTER

10 G.P.M.
3.5" Air motor piston - 4" stroke



5:1 Ratio HD pumps for oil distribution systems

Heavy duty pumps designed to pump high volumes of oil, even those of higher viscosity (SAE 140), through long pipe lines, hose reels and meters. Capable to serve several outlets simultaneously.

Patented double action pump design assures even flow of fluid. Low noise level (1), efficient, reliable, heavy duty design.

Precision corrosion resistant parts, high alloy materials, quality seals. Heavy duty, distortion free pump tubes.

Muffled exhaust, no iceing. Long stroke means fewer cycles for less wear and long pump life. In a class by itself, hi-tech, rugged but simple design.

Technical data (2)

| | |
|--|------------------------|
| Max. air pressure..... | 140 psi (10 Bar) |
| Min. air pressure | 40 psi (3 Bar) |
| Average air consumption * | 7cu.ft/min (200 l/min) |
| Max capacity at 85 psi (6 Bar) * | 10 gal./min (37 l/min) |
| Maximum head ** | 164 feet (50 m) |
| Max. press. output | 700 psi (50 Bar) |
| Air inlet thread | 3/8" NPT (F) |
| Pump outlet thread | 1" NPT (F) |
| Fluid inlet thread..... | 1" NPT (F) |
| Bung adaptor thread..... | 2" (M) |

* Free delivery SAE 20 oil, 70°F (20°C) - Air press. 85 psi (6 Bar)
** Air pressure 140 psi (10 Bar), SAE 20 oil

**Stationary pumps for central supply systems
and reel installations***



Model 306

Model 308



Model 202

Model 204



Model 222

Model 224

Grease service

Model 306

Pumpmaster-3 system for 120 lb. open top drum.

Includes the following:

- Model 302: 55:1 ratio basic pump with cover mounting adaptor.
- Model 1936: Deluxe drum cover for 120 lb. drum.
- Model 903: Connecting hose installation hook-up kit.

Model 308

Pumpmaster-3 system for 400 lb. open top drum.

Includes the following:

- Model 304: 55:1 ratio pump with cover mounting adaptor.
- Model 1938: Deluxe drum cover for 400 lb. drum.
- Model 903: Connecting hose installation hook-up kit.

Oil lubrication, fluid service

Model 202

Pumpmaster-2 system for 16 Gal. bung type drum.

Includes the following:

- Model 206: Pumpmaster-2, 3:1 ratio pump with 2" bung bushing.
- Model 904: Connecting hose hook-up kit.

Model 204

Pumpmaster-2 system for 16 Gal. open top drum.

Includes the following:

- Model 206: Pumpmaster-2, 3:1 ratio pump with cover mounting adaptor.
- Model 1936: Deluxe drum cover for 16 Gal. drum.
- Model 904: Connecting hose hook-up kit.

Model 222

Pumpmaster-2 system for 55 Gal. bung type drum.

Includes the following:

- Model 208: Pumpmaster-2, 3:1 ratio pump with 2" bung bushing.
- Model 904: Connecting hose hook-up kit.

Model 224

Pumpmaster-2 system for 55 Gal. open top drum.

Includes the following:

- Model 208: Pumpmaster-2, 3:1 ratio pump with cover mounting adaptor.
- Model 1938: Deluxe drum cover for 55 Gal. drum.
- Model 904: Connecting hose hook-up kit.

* See folder page for air line accessories
See folder page for connecting hose installation hook-up kit data
See folder page for optional follower plate

Original container units for grease, gear lube, motor oil, ATF and other fluids

Pump
MASTER

Oil, gear lube, fluid service (cont'd)

Model 402

Pumpmaster-4 HD system for 16 Gal. bung type drum.

Includes the following:

- Model 406: Pumpmaster-4 HD, 5:1 ratio pump with 2" bung bushing.
Model 906: Connecting hose hook-up kit.

Model 404

Pumpmaster-4 HD system for 16 Gal. open top drum.

Includes the following:

- Model 406: Pumpmaster-4 HD, 5:1 ratio pump with cover mounting adapter.
Model 1936: Deluxe drum cover for 16 Gal. drum.
Model 906: Connecting hose hook-up kit.

Model 422

Pumpmaster-4 HD system for 55 Gal. bung type drums.

Includes the following:

- Model 408: Pumpmaster-4 HD, 5:1 ratio pump with 2" bung bushing.
Model 906: Connecting hose hook-up kit.

Model 424

Pumpmaster-4 HD system for 55 Gal. open top drum.

Includes the following:

- Model 408: Pumpmaster-4 HD, 5:1 ratio pump with cover mounting adapter.
Model 1936: Deluxe drum cover for 55 Gal. drum.
Model 906: Connecting hose hook-up kit.



Model 402

Model 404



Model 422

Model 424

Wall mounting installation kits

Model 912

Wall mounting installation siphon kit for Pumpmaster-2 (1:1 and 3:1 ratio) or Pumpmaster-4 HD (5:1 ratio).

- Model 900: Wall mount bracket
Model 910: Siphon kit consisting of:
 - 48" suction tube with foot valve 3/4" NPT (F).
 - 2" bung bushing adaptor #2030.
 - 8' spring reinforced suction hose 3/4" (F) swivel end.
 - 3:1 pump to hose connector 3/4" (M) x 3/4" (M) #2054
 - 5:1 and 1:1 pump to hose conn. 1" (M) x 3/4" (M) #2066

Model 924

Wall mounting installation kit for lower side outlet tank.

Mounting of Pumpmaster-4 HD (5:1 ratio).

Includes the following:

- Model 900: Wall mount bracket
Model 863: 5' Medium pressure 1" hose, 1" NPT (M) ends.



Typical wall mount installation
(See pages 6 and 7 for stub pump selection)



Pumpmaster-2

Model 200

Pumpmaster-2, 3:1 ratio stub pump only with 2" bung bushing. Outlet:3/4"NPT(F). Inlet:3/4"NPT(F). Air:1/4"NPT(F)

Model 210

Model 200 plus Model 904 connecting hose hook-up kit.

Model 222

Pumpmaster-2 system for std 250 Gal. Work bench type tank. Includes the following:

Model 208: PM-2, 3:1 ratio pump with 2 " bung bushing.
Model 904: Connecting hose hook-up kit.

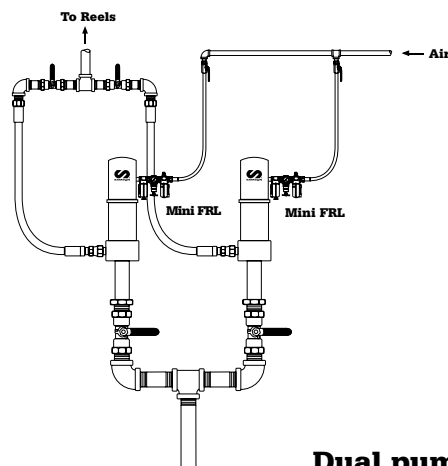
Model 212

Pumpmaster-2 system for 275 Gal. oval or 500 Gal. round tank. Includes the following:

Model 213: PM-2, 3:1 ratio pump with 2" bung bushing.
Model 904: Connecting hose hook-up kit.

Model 260

PM-2 (Pump Only) 3:1 Ratio, Fits 60" Vertical Tank.



Dual pump-single product



Pumpmaster-4

Model 400

Pumpmaster-4 HD, 5:1 ratio stub pump only with 2" bung bushing. Outlet:1"NPT(F). Inlet:1"NPT(F). Air:3/8"NPT(F)

Model 410

Model 400 plus Model 906 connecting hose hook-up kit.

Model 422

Pumpmaster-4 system for std 250 Gal. Work bench type tank. Includes the following:

Model 408: PM-4, 5:1 ratio pump with 2" bung bushing.
Model 906: Connecting hose hook-up kit.

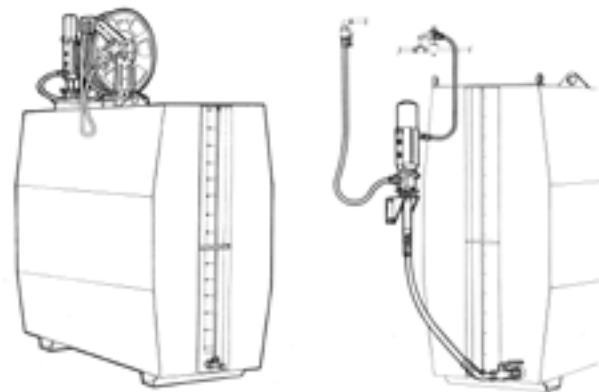
Model 412

Pumpmaster-4 system for 275 Gal. oval or 500 Gal. round tank. Includes the following:

Model 413: PM-4 HD, 5:1 ratio pump with 2" bung bushing.
Model 906: Connecting hose hook-up kit.

Model 460

PM-4 (Pump Only) 5:1 Ratio, Fits 60" Vertical Tank.



Tank Packages



Pump 4 MASTER

8:1 RATIO HEAVY DUTY PUMP

For Longer Fluid Lines, Multiple Outlets, and Severe Duty Installations.

Technical data

| | |
|---------------------------------|--------------------------|
| Max. air pressure | 140 psi (10 Bar) |
| Min. air pressure | 40 psi (3 Bar) |
| Avg. air consumption* | 7 cu.ft./min (200 l/min) |
| Max. capacity at 85 psi (6 Bar) | *8 gal/min (35 l/min) |
| Maximum head** | 164 feet (50 m) |
| Maximum pressure output | 1120 psi (78 Bar) |
| Air inlet thread..... | 3/8 " NPT (F) |
| Pump outlet thread..... | 1" NPT (F) |
| Fluid inlet thread | 3/4 " NPT (F) |
| Bung adapter thread | 2" (M) |

Efficient

Reliable

Economical

Quiet

*Free delivery SAE 20 oil, 70F (20C)-Air press. 85 psi (6 Bar) ** Air pressure 140 psi (10 Bar), SAE 20 oil

Model 480

Pumpmaster-4 HD, 8:1 Ratio Stub Pump only, with 2" Bung Bushing Adapter.

Model 482

Pumpmaster-4 HD, 8:1 Ratio Pump only for 16 gal. drum, with 2" Bung Bushing Adapter.

Model 484

Pumpmaster-4 HD, 8:1 Ratio Pump only for 55 gal. drum, with 2" Bung Bushing Adapter.

Model 486

Pumpmaster-4 HD, 8:1 Ratio Pump only for 275 gal. oval/500 Gal Round Tank, with 2" Bung Bushing Adapter.

*See folder page for connecting hose installation hook-up kit data. *See folder page for air line accessories



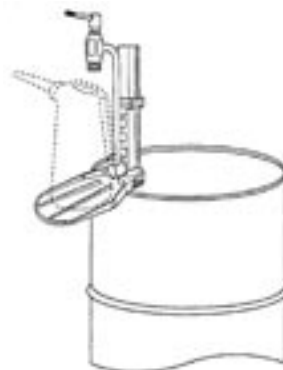
**A
Self-
Contained
Dispensing
System
that Makes
Sense**

Unique 2:1 long stroke pump (4")
- one pump for all fluids, including
gear lube.

Non-drip, spring loaded valve.

Shelf holds container - catches
spills - drains back through filtered
bushing into drum.

Completely packaged as one SKU.



Model #262

Complete unit (fits 55 gallon drum)
includes 2:1 ratio pump, bung bushing,
drain shelf with filter screen, curved
outlet pipe with spring loaded valve.

Multi-Fluid, Multi-Purpose Air Operated Pump

1:1 fluid dispensing pump for
special fluids such as:

- | | |
|---------------------|--------------------|
| • buthyl alcohol | • methyl alcohol |
| • isopropyl alcohol | • glycerin |
| • acetone | • ethylene glycol |
| • diesel fuel | • heptane |
| • hydraulic oils | • mineral oil |
| • hexane | • petroleum oils |
| • naptha | • silicone oils |
| • pine oil | • styrene |
| • turpentine | • trichlorobenzene |
| • toluol | • water (fresh) |
| • ethyl alcohol | |

Pump wetted parts are constructed of
the following materials:

- aluminum
- bichromated steel
- stainless steel (AISI 304)
- nylon
- polytetrafluorethylene (PTFE)*
- fluoroelastomer (FPM)*

as per ISO norm 1629

Model #100

1:1 Ratio multi-fluid stub pump only.
Pump mounting base has 3/4" M and
1 1/4" M threads.
Plus male barb for attaching suction
base.



10:1 RATIO
16 G.P.M.

Pump MASTER 6

55:1 RATIO
12 LBS / MIN

6 1/4" AIR MOTOR PISTON - 4 1/2" STROKE

EXTRA HEAVY DUTY PUMPS FOR GREASE AND FLUID DISTRIBUTION SYSTEMS

Heavy duty, High pressure, High performance fluid and grease pumps for installations having long dispense lines, where low pressure would limit pump performance, or for cold weather and severe duty operations.

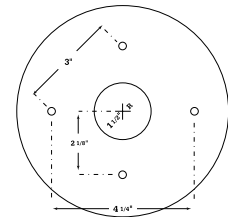
New air motor mechanism tested to more than twelve (12) million cycles. Double acting priming piston grease pump design will not foul. For grease up to NLGI-No. 3. Double acting, double ball valve design fluid pump assures even flow of fluid.

Corrosion resistant parts including, aluminum alloy steel, polyurethane and nitrile. Deluxe powder coat finish.

High performance allows multiple outlet dispensing valves to operate simultaneously.

Quiet dual muffler exhaust ⁽¹⁾, no icing, longer stroke equals fewer cycles, producing less wear and longer life.

**10 YEAR
WARRANTY**



Flange Mount Dimension

PUMPMASTER-6, TRULY IN A CLASS BY ITSELF.

Technical Data 10:1 Ratio Pumps

| | |
|--------------------------------|--------------------|
| Max Air Pressure..... | 160 psi (11 bar) |
| Min Air Pressure..... | 10 psi (.70 bar) |
| Avg. Air Consumption..... | 8 cfm (285 lm) |
| Max Cap @ 100 psi (7 bar)..... | 16 gpm* (43 lm) |
| Max Pressure Output..... | 1600 psi (112 bar) |
| Air Inlet Thread..... | 1/2" F |
| Pump Outlet Thread..... | 3/4" F |
| Fluid Inlet Thread..... | 1 1/2" F |
| Pump Mounting..... | Flange (Bung Opt) |

Technical Data 55:1 Ratio Pumps

| | |
|--------------------------------|--------------------|
| Max Air Pressure..... | 160 psi (11 bar) |
| Min Air Pressure..... | 30 psi (2.1 bar) |
| Avg. Air Consumption..... | 8 cfm (285 lm) |
| Max Cap @ 100 psi (7 bar)..... | 12 lbs per min |
| Max Pressure Output..... | 8800 psi (616 bar) |
| Air Inlet Thread..... | 1/2" F |
| Pump Outlet Thread..... | 3/8" F |
| Pump Mounting..... | Flange (Bung Opt) |

*Free delivery SAE 10wt. oil. 70°F (20°C). Air pressure 100psi. (1) Below O.S.H.A. Occupational Noise Requirements (65 dB).

10:1 RATIO FLUID PUMPS

Model 600

Pumpmaster-6 10:1 Ratio Stub Pump only, flange mount. Bung bushing mounting is optional. (see 360006)

Model 602

Pumpmaster-6 10:1 Ratio Pump only for 16 gallon drum, flange mount. Bung bushing mounting is optional. (see 360006)

Model 604

Pumpmaster-6 10:1 Ratio Pump only for 55 gallon drum, flange mount. Bung bushing mounting is optional. (see 360006)

Model 606

Pumpmaster-6 10:1 Ratio Pump only for 275 gallon oval or 500 gallon round tank, flange mount. Bung bushing mounting is optional. (see 360006)

Model 913

Medium pressure hose hook-up kit for 10:1 ratio pumps.

Includes:

- Model 882: 2' air inlet hose 1/2" MBE.
- Model 940: Quick air coupler 1/2" F.
- Model 945: Quick air nipple 1/2" M.
- Model 857: 5' M.P. 3/4" hose 3/4" MBE.



Model 600

55:1 RATIO GREASE PUMPS

Model 622

Pumpmaster-6 55:1 Ratio Pump only for 120lb. drum, flange mount. Bung bushing mounting is optional. (see 410001)

Model 624

Pumpmaster-6 55:1 Ratio Pump only for 400lb. drum, flange mount. Bung bushing mounting is optional. (see 410001)

Model 915

High pressure hose hook-up kit for 55:1 ratio pumps.

Includes:

Model 822: 2' air inlet hose 1/2" MBE.

Model 940: Quick air coupler 1/2" F.

Model 945: Quick air nipple 1/2" M.

Model 884: 5' M.P. 3/8" hose 3/8" MBE.



Model 622

PUMPMASTER 6 ACCESSORIES

Wall Mounting Bracket

Model 360109

Wall mounting bracket for Pumpmaster-6 pumps. Flange mount.



360109

Drum Covers - Heavy Duty

Model 418025

120 lb Drum cover for Pumpmaster-6 pumps. Flange mount.



418025



418026

Model 418026

400 lb Drum cover for Pumpmaster-6 pumps. Flange mount. Includes plate to seal opening not used.

Cover to Bung Adapter Plate

Model 360133

Mounts to flange type drum cover. Converts flange mount to standard 2" NPT Bung opening, thus permits use of Bung-mounted pumps with drum cover.



360133

Bung Bushing Adapters

Model 360006

Adapter for Pumpmaster-6 10:1 pumps.

Model 410001

Adapter for Pumpmaster-6 55:1 pumps.

360006



410001

Follower Plates

Model 964

120 lb. Follower Plate for Pumpmaster-6 Grease Pumps.

Model 966

400 lb. Follower Plate for Pumpmaster-6 Grease Pumps.

964



966



Exhaust Manifold

Model 734416

Mounts to pump exhaust to meet requirements for remote plumbing of exhaust air.

Model 111 (not shown)

Single arm air lift. Rotates 360°. For use with pumps having eyebolt. Includes air control valve.



734416



Heavy duty, High volume, High pressure grease pumps 3" piston + 3" stroke



Model 332

Model 334

DELIVERS OVER 3 LBS PER MINUTE

Heavy Duty, High Volume, High Pressure Grease Pumps. Ideal for grease distribution systems, which involve reels and medium to large pipe lines, using greases with a viscosity up to NLGI 2 directly from 120 lb. and 400 lb. drums

PumpMaster 3+3 is a 55:1 ratio long stroke design with higher volume, less air consumption, for a quiet and very reliable operation.

The pump design includes a shovel type self priming product piston. An intake suction strainer assures a non-fouling operation.

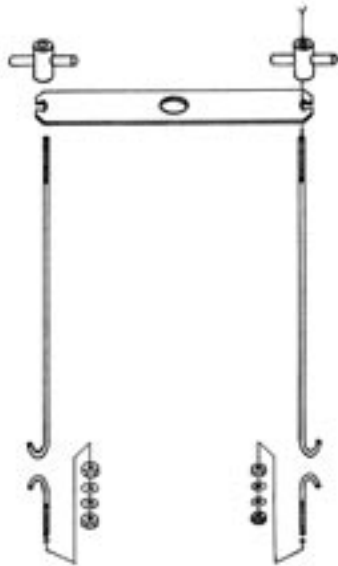
| Technical Data | Pumps |
|--------------------------------|---------------------|
| Pump Ratio..... | 55:1 |
| Max Air Pressure | 150 psi (10 bar) |
| Min Air Pressure..... | 30 psi (2.1 bar) |
| Avg. Air Consumption | 7 cfm (200 lm) |
| Max Cap @ 100 psi (7 bar)..... | 3.1 lbs. per min |
| Max Pressure Output | 8200 psi (576 bar) |
| Air Inlet Thread | 3/8" F |
| Pump Outlet Thread..... | 3/8" F |
| Pump Mounting..... | 2" (M) Bung Adapter |

| Pump Installation Packages | |
|----------------------------|-------------------------------------|
| Model 336 | (120 lb. complete system) Includes: |
| Model 332: | 120 lb Pump with bung adapter |
| Model 1936: | 120 lb. deluxe drum cover |
| Model 901: | connecting hose hook up kit |
| Model 338 | (400 lb. complete system) Includes: |
| Model 334: | 400 lb. pump with bung adapter |
| Model 1938: | 400 lb. deluxe drum cover |
| Model 901: | connecting hose hook up kit |

| Pump Only |
|--|
| Model 332 Pump only for 120 lb. drum with bung adapter |
| Model 334 Pump only for 400 lb. drum with bung adapter |

| Hose Hook-Up Kit |
|---|
| Model 901 (hose hook-up kit) Includes: |
| Model 812: 2' 3/8" MBE air hose |
| Model 938: 3/8" quick air coupler |
| Model 941: 3/8" quick air nipple |
| Model 884: 5' 3/8" MBE HP hose |

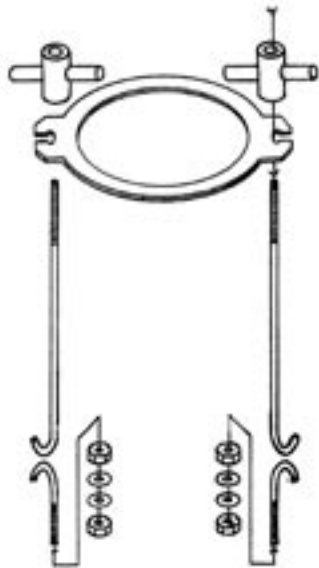
Lube Truck Accessories



MODEL 2450

Universal hold down kit for 400 lb./55 Gallon drums:

| Qty. | Model | Description |
|------|-------|---------------------------------|
| 1 | 2451 | Drum retention bar, center hole |
| 2 | 2452 | 1/2" Hook rods |
| 2 | 2453 | T Handle nuts |
| 4 | 2454 | 1/2"-13 Nuts |
| 4 | 2455 | Washers |
| 2 | 2456 | 1/2" Bed hooks |



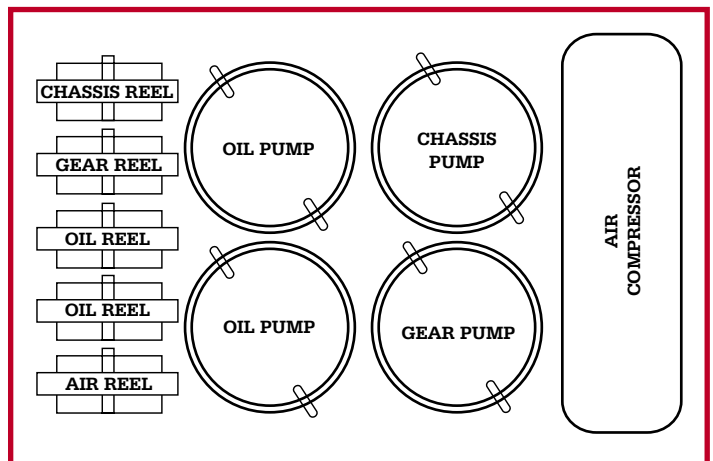
MODEL 2440

Universal hold down kit for 120 lb./16 Gallon drums:

| Qty. | Model | Description |
|------|-------|---------------------|
| 1 | 2441 | Drum retention ring |
| 2 | 2442 | 1/2" Hook rods |
| 2 | 2453 | T Handle nuts |
| 4 | 2454 | 1/2"-13 Nuts |
| 4 | 2455 | Washers |
| 2 | 2456 | 1/2" Bed hooks |



Typical Layouts



MODEL 2449
Universal Bung Seal kit
3 Pc. Seal kit



MODEL 2391
Four-Way Reversing
Valve 1"

Other Items (Not shown)

| Model | Description |
|-------|-------------------|
| 2087 | Adapter plate |
| 2439 | Rain deflector |
| 2499 | 1/2" Air manifold |

A directional flow control valve that simplifies installation by eliminating the need for multiple valves found on typical waste oil systems. For use with lube oil, gas, oils, alcohols and some chemicals.



PN - 25

Model PN-25 (2825)

1/4" Polypropylene pump designed to operate at low air pressure. Suitable for water, solvent and petroleum based fluids. Polypropylene pumps are an economical pump for water based liquids. 1/4" inlet and outlet.



PN - 38

Model PN-38 (2827)

3/8" Polypropylene pump suitable for nonaggressive liquid pumping applications. Very economical for water based liquids and slurries. Pump components resistant to abrasion and staining. 3/8" inlet and outlet.



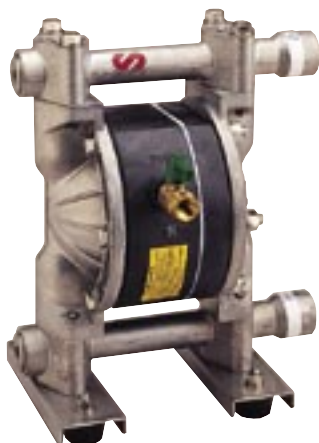
PN - 5



2805

Model PN-5 (2829)

1/2" Polypropylene pump ideal for most liquid pumping applications. Pump components offer zero water absorption and assure outstanding resistance to abrasion and staining. Pump comes with 2805 dual manifold. Simple bolt construction makes changing manifold easy. Dual manifold is used for mixing of fluids (water and antifreeze), (windshield fluid and water) or any two fluids where a 50/50 or 1:1 Mix ratio is required.



PN - 5A

Model PN-5-A (2831)

1/2" Aluminum pump ideal for multiple uses up to a medium viscosity fluid. Typical pump for lube service. Both waste oils and new oils.

Model PN-75 (2833)

3/4" Aluminum pump designed for multiple uses with light to medium viscosity fluids. Excellent for lube servicing, both new oils and waste oils, evacuation and pumping. Optional dual manifold available for pumping two different fluids, or for equal volume mixing. Pump has 1" inlet and outlet.

Model PN-75-UL (2834)

(Not shown) Same as PN-75 except UL Listed

Model 2807

3/4" Dual manifold set for PN-75 models (optional)

PN - 75



2807



Model PN-100 (2835)

1" Aluminum general purpose pump for use of heavier fluids at faster flow rates. Designed to handle the tough jobs. Optional split manifold available for pumping two different fluids, or for equal volume mixing. 1" inlet and outlet.

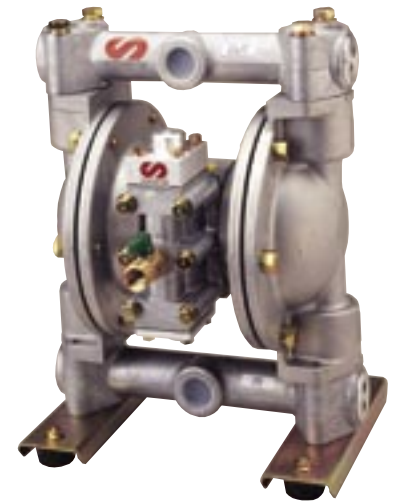
Model PN-100-UL (2836)

(Not shown) Same as PN-100 except UL Listed

Model 2810

1" Dual manifold set for PN-100 models (optional)

PN - 100



2810



Model Selection table

| | PN-25 | PN-38 | PN-5 | PN-5A | PN-75 | PN-100 |
|--------------------------|------------------|-----------------|-------------------|-----------------|-----------------|-----------------|
| Air Motor | Ryton® | Aluminum | Ryton® | Ryton® | Aluminum | Aluminum |
| Wetted Section | Polypropylene | Polypropylene | Polypropylene | Aluminum | Aluminum | Aluminum |
| Seats | Polypropylene | Buna-N | Polypropylene | Aluminum | Stainless Steel | Stainless Steel |
| Guides | Polypropylene | Polypropylene | Polypropylene | Aluminum | Aluminum | Aluminum |
| Balls | PTFE | Buna-N | Buna-N | Buna-N | Buna-N | Buna-N |
| Diaphragms | PTFE | Buna-N | Buna-N | Buna-N | Buna-N | Buna-N |
| Air Inlet | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/4" FPT | 3/8" FPT |
| Fluid Inlet | 1/4" FPT | 3/8" FPT | 1/2" FPT | 1/2" FPT | 1" FPT | 1" FPT |
| Outlet | 1/4" FPT | 3/8" FPT | 1/2" FPT | 1/2" FPT | 1" FPT | 1" FPT |
| Suction Lift | 5' | 10' | 5' | 5' | 18' | 18' |
| Capacity | 3 GPM | 6 GPM | 15 GPM | 15 GPM | 28 GPM | 49 GPM |
| Mounting Hole "X" | 325/32" x 37/32" | 525/32" x 35/8" | 425/32" x 417/32" | 425/32" x 41/8" | 711/16" x 51/2" | 83/4" x 611/16" |

- Always control volume of air to pump, 1 cu. ft. of air per gallon delivered.
- Airline lubricator is not required.
- Operate pump from 20 to 100 psi.



Model 296/SS

Model 496/SS

Pumpmaster-2 and 4 stainless steel pumps

To pump any fluid compatible with AISI-316 stainless steel, PTFE (Teflon), and Viton. Air motor divorced from the pump to avoid fluid contamination inside the motor.

Hi-tech long stroke, piston pumps for handling water based fluids as well as other slightly corrosive fluids. Not for use with strong acids. Some fluids which can be handled:

- Alcohol
- Benzol
- Tricloroethane
- Toluene
- Anti-freeze
- Detergents
- Lubricants
- Xilene

Model 296/SS

Pumpmaster-2, 1:1 ratio S.S. pump only. Fluid inlet: 1" NPT (F). Fluid outlet: 1" NPT (F). Air inlet: 1/4" NPT (F).

Model 298/SS

Includes Model 296/SS pump plus Model 906 connecting hose hook-up kit.

Model 496/SS

Pumpmaster-4 HD, 3:1 ratio S.S. pump only. Fluid inlet: 1" NPT (F). Fluid outlet: 1" NPT (F). Air inlet: 3/8" NPT (F).

Model 498/SS

Includes Model 496/SS pump plus Model 906 connecting hose hook-up kit.

Bulk oil spigot type dispensers

Model 1900

Dispensing valve with self closing spigot valve. Connects to Pumpmaster-2, both 1:1 or 3:1 ratio. Connecting thread 3/4" NPT (M).

Model 1901

Includes Model 1900 plus Model 1197. Quartz totalizing meter.



Model 226

Model 228

Pumpmaster-2 high vol. 1:1 fluid transfer pump

Model 214

Pumpmaster-2, 1:1 ratio stub pump only with 2" bung bushing adapter. Fluid inlet: 1" NPT (F). Fluid outlet: 3/4" NPT (F). Air inlet: 1/4" NPT (F).

Model 230

Includes Model 214 pump plus Model 904 connecting hose hook-up kit.

Model 216

Pumpmaster-2, 1:1 ratio pump for 16 Gal. drum with 2" bung bushing adapter. Fluid inlet: 1" NPT (F) plus suction adapter. Fluid outlet: 3/4" NPT (F). Air inlet: 1/4" NPT (F).

Model 226

Includes Model 216 pump plus Model 904 connecting hose hook-up kit.

Model 218

Pumpmaster-2, 1:1 ratio pump for 55 Gal. drum with 2" bung bushing adapter. Fluid inlet: 1" NPT (F) plus suction adapter. Fluid outlet: 3/4" NPT (F). Air inlet: 1/4" NPT (F).

Model 228

Includes Model 218 pump plus Model 904 connecting hose hook-up kit.



Model 1900



Model 1901

* See folder page for air line accessories

See folder page for connecting hose installation hook-up kit data

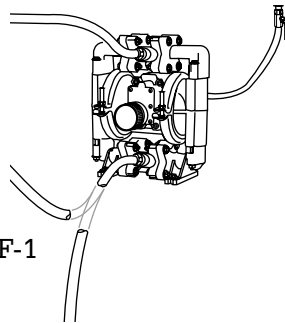
Waste oil systems



Model WO-1

Model WO-1 (199)

Includes PN100 diaphragm pump, wall mount bracket, 10' suction hose, 5' outlet connection, 2' air inlet hose, dry break coupler and nipple.



Model WF-1

Model WF-1 (198)

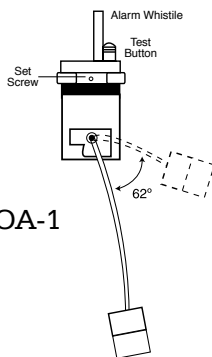
Includes PN5 diaphragm pump wall mount bracket, 5' fluid inlet hose, 5' outlet connecting hose, 2' air inlet hose.

Note: for 50/50 mixing, order an extra 5' fluid inlet hose #846.

Automatic Air Shut-off System

Model OA-1 (181)

Non-electric, float level sensor alarm with automatic overflow shut-off valve and alarm whistle. 360° rotating mounting collar allows indexing to fit virtually all single wall tanks.



Model OA-1

Suction Hose Kit

Model GL-1 (141)

Includes 7' suction hose with quarter turn valve, quick connector end, and two flex wands.

Wall Mount Bracket

Model 2086

Fits all Samson PN diaphragm pumps, except model PN-25.

Typical Oil Evacuation Diaphragm Pump

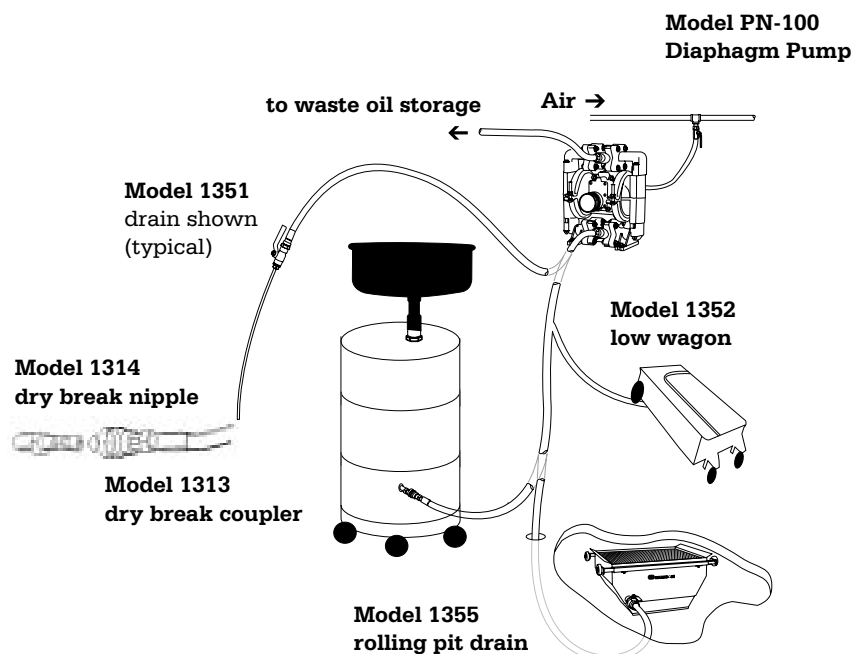
Versatile system for controlled transfer of used oils. Connect directly from oil drains to storage tank with proven reliability of a diaphragm pump. For example, see Model WO-1 above.



Model GL-1



Model 2086



Digital Fluid Control System

A complete DFC system for fluid inventory control can be built by starting with the Model 1060 Control Module and adding the additional components (8" W x 6" D x 4" H).

Digital Fluid Control Modules

Model 1060

Directs one fluid to up to 10 different outlet station locations. 40 watt transformer, surge suppressor, CSA approved, 24 volt A.C. wiring.



Model 1060

Dual Product Module

Model 1060-3

Directs 2 fluids to up to 6 different outlet station locations for each fluid. Running product total for each product. Simple toggle switch for product selection with indicator light for each product.



Model 1060-3

Impulse Meter

Model 1061

1/2" inlet, measures in quarts. One per fluid pump required.

Model 1062

1/2" inlet, measures in pints. One per fluid pump required.

Model 1066

1/2" inlet, measures in litres. One per fluid pump required.

Model 1071

1/2" inlet, 100 pulse unit, for control master system only.



Model 1061

Fluid Solenoid

Model 1065

1/2" inlet, High Pressure, 24 VAC. One per controlled outlet location required.

Model 1074

1/2" 24 VDC. For w/w, anti-freeze. For Control Master systems only.



Model 1065

Ready Light

Model 1068

One per controlled outlet location required.



Model 1068

"Y" Strainer

Model 1069

With fine mesh filter. Recommended for installing ahead of fluid solenoid to prevent fouling. 1/2" NPTF.



Model 1069

Air Solenoid

Model 1064

1/2", 24 VAC. One per fluid pump required. Also for use with water base fluids.



Model 1064



Model 1063

Pressure Relief Valve

Model 1063

3/4" inlet and 1/2" outlet

Model 1070 (Not shown)

3/8" inlet and 1/4" outlet (for diaphragm pumps only)

Ordering Made Simple

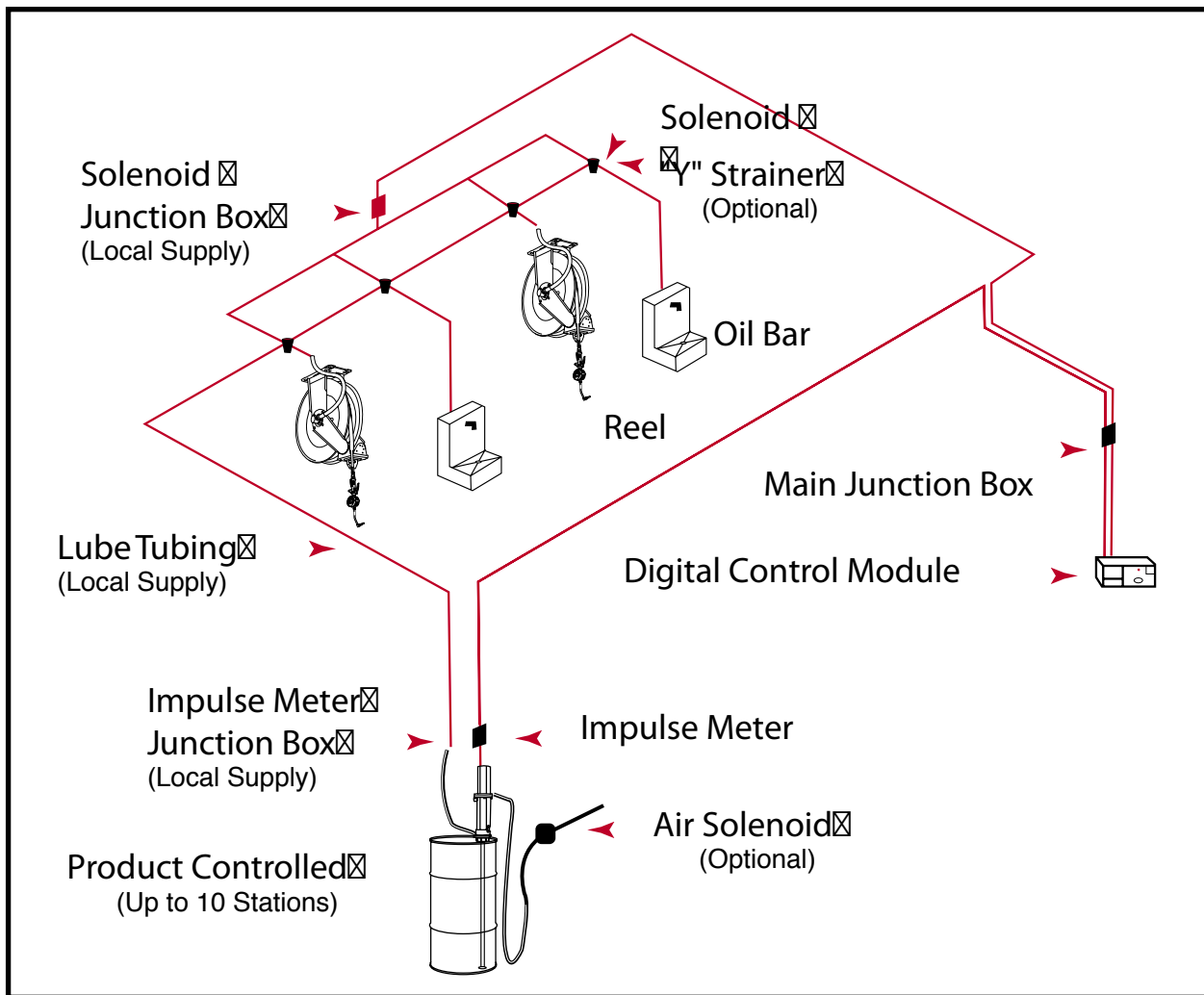
- Order one DFC Control Module. (Model 1060 for one product. Model 1060-3 for two products.)
- Order one impulse meter for each product to be controlled. (Model 1061)
- Order one fluid solenoid for each outlet station location to be controlled. (Model 1065)
- Order one Y strainer for each fluid solenoid. (Model 1069)
- Order one ready light for each fluid solenoid location. (Model 1068)
- Order one air solenoid for each product pump. (Model 1064)
- Order one pressure relief valve for each product pump. (Model 1063)

Model # 1067

Outlet Station Kits

Order one kit for each Additional Outlet Station - (Kit Includes The Following)

- | | |
|------------------|----------------|
| 1 - Model # 1065 | Fluid Solenoid |
| 1 - Model # 1068 | Ready Light |
| 1 - Model # 1069 | Y Strainer |



Typical Installation of Digital Fluid Control System

ControlMaster PC



The **ControlMaster** system is a PC window based key pad system designed for complete control, yet easy to operate (1). Access to the system is only possible to authorized users via a PIN number.

The system's¹ input/output control unit keeps a record of every transaction; storing the name of the user, the outlet, quantity, and type of fluid used, the date and time of the transaction and other optional management data, such as: job order number, odometer reading, license plate number, and vehicle number.

Using the **ControlMaster** system as an inventory management tool, keeps control of the inventory level of each fluid, including waste fluids. Minimum and maximum levels may be set with alarm messages at certain levels.

An advanced fluid management system that allows the dispensing of multiple fluids at multiple locations simultaneously. Complete management of every mechanic, every vehicle, every drop of fluid, including waste fluids. A system that streamlines the computer accounting process and provides management data.

In recent years **SAMSON** has worked hard to push the technology frontier of fluid management into new areas. The launch of the Control Master modular dispensing system incorporating both "Stand Alone" and Computer controlled options offered full monitoring of fluid dispensed and received. In addition **SAMSON** launched the Ultralevel, an Intelligent measurement system to complement the **ControlMaster** management system.

(1) The system exports information in an ASCII format using a variety of protocol. Most accounting program providers can provide intergrating software.

Innovation & Technology for the Oil & Lubrication Industry.



Contact Samson factory or your local distributor for information on computer integrated inventory control and management systems.