

**STATIONARY PUMP PACKAGES GREASE AND OIL**

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Lubricant dispensing and transfer requires more than a bare pump. Samoa offers a range of pump packages that include all the accessories needed to efficiently dispense or transfer lubricants. Packages can be used with 185 kg grease drums, 205 litre oil drums and 1.000 litre IBCs. They provide an easy solution for simple and common applications.

428 262

PUMPMASTER 3/55:1 PACKAGE

#### 428 262 PumpMaster 3/55:1 pressure ratio pump package 185 kg drums

Package for high pressure greasing with a PumpMaster 3/55:1 pressure ratio pump for 185 kg drums.

##### Includes:

- 409 200: PumpMaster 3/55:1 grease pump, h = 920 mm with bung adaptor.
- 418 006: 610 mm drum cover for 185 kg drums.
- 417 004: 590 - 550 mm follower plate for 185 kg drums.
- 412 104: 4 m x Ø 1/4" high pressure hose.
- 413 080: High pressure grease control gun with Z-swivel.
- 360 125: Grease control gun holder.



##### Not included options:

- 239 000:** 1/4" BSP (MM) connection adaptor.
- 240 500:** Air filter and pressure regulator, 0-12 bar, 1/4" BSP (FF).
- 411 100:** In line grease meter for grease control gun.

**PUMPMaster 3+3 GREASE PUMP PACKAGES**

453 602


**PUMPMaster 3+3/60:1 PACKAGE WITH HOSE REEL**
**453 603 PumpMaster 3+3/60:1 pressure ratio pump package with 15 m hose reel, 185 kg drums**

Assembly for high pressure greasing with a PumpMaster 3+3/60:1 pressure ratio pump for 185 kg drums. Package includes a 3/8" hose reel for higher delivery.

**Includes:**

- 429 800: PumpMaster 3+3/60:1 grease pump kit for 185 kg drums.
- 506 321: Open type single arm reel with 15 m x 3/8" hose.
- 413 080: High pressure grease control gun with z-swivel.

**453 602 PumpMaster 3+3/60:1 pressure ratio pump package with 15 m hose reel, 185 kg drums**

Same as above, with double pedestal arm reel with 15 m x 3/8" hose (PN 504 351) instead of reel (PN 506 321).

**Not included options:**

- 239 001:** 1/4" BSP (M) - 3/8" BSP (M) connection adaptor.
- 240 500:** Air filter and pressure regulator, 1/4" BSP (FF).
- 360 111:** Hose reel pivoting bracket.
- 360 127:** Control gun holder and drip tray.
- 411 100:** In line grease meter for grease control handle.

426 262


**PUMPMaster 3+3/60:1 PACKAGE**
**426 262 PumpMaster 3+3/60:1 pressure ratio pump package, 185 kg drums**

Assembly for high pressure greasing with a PumpMaster 3+3/55:1 pressure ratio pump for 185 kg drums.

**Includes:**

- 402 025: PumpMaster 3+3/60:1 grease pump, h = 920 mm with bung adaptor.
- 418 006: 610 mm drum cover for 185 kg drums.
- 417 004: 590 - 550 mm follower plate for 185 kg drums.
- 412 104: 4 m x 1/4" high pressure hose.
- 413 080: High pressure grease control gun with z-swivel.
- 360 125: Grease control gun holder.
- 945 591: M 3/8" BSP (M) - 1/4" BSP (M) connection adaptor.



**PUMPMASTER 2/1:1 PRESSURE RATIO PUMP PACKAGES**
**PUMPMASTER 2/1:1 PRESSURE RATIO PUMP PACKAGES FOR 205 LITRE DRUMS**

Packages with high speed air operated low pressure transfer pump. The pump is designed to fit the 2" bung opening hole on 50 and 205 l oil drums or to be mounted on a lid for open drums.

1:1 ratio pumps are used for a clean and efficient transfer of lubricants, from their original drum to miscellaneous portable grease and oil pumps, loader buckets, auxiliary tanks, etc., without the risk of lubricant contamination.

This pump can easily be transferred from one drum to another. An adjustable adapter fits any drum or drum cover with a 2" BSP bung opening. Pump weight is only 4,8 kg.

An air valve or an optional pressure regulator allows the user to adjust the lubricant flow rate. This is useful when filling open buckets to prevent splashing or to avoid overflow when reaching the top of a container.

454 002

454 003

454 010

454 009



PART No.	DESCRIPTION	PUMP	HOSE	DELIVERY GUN	AIR INLET ACCESSORY	APPLICATION	APPROX. DELIVERY
<b>454 002</b>	1:1 high volume transfer package	352 120	3 m x 3/4" 362 303	High delivery nozzle 361 000	Needle air valve 950 302	205 L DRUMS	30 l/min <sup>(1)</sup>
<b>454 003</b>	1:1 transfer package	352 120	3 m x 1/2" 362 103	Oil control gun 363 078	–	205 L DRUMS	15 l/min <sup>(1)</sup>
<b>454 010</b>	1:1 transfer package, metered	352 120	3 m x 1/2" 362 103	Hose end meter 365 603	–	205 L DRUMS	10 l/min <sup>(1)</sup>
<b>454 009</b> <sup>(3)</sup>	1:1 grease transfer package	352 120	3 m x 3/4" 362 303	Ball valve with angled nozzle	Needle air valve 950 302	185 KG DRUMS	3,2 kg/min <sup>(2)</sup>

(1) Delivery with SAE30 oil at 7 bar inlet pressure and 20 °C temperature.

(2) Delivery with NLG12 grease at 7 bar inlet pressure and 20 °C temperature.

(3) Model 454 009 includes drum cover PN 418 006 and follower plate PN 417 004 for 185 kg grease drums.

**Not included options:**

**239 000:** 1/4" BSP (MM) connection adaptor.

**240 200:** Air pressure regulator 0 - 12 bar, 1/4" BSP (FF)

**240 500:** Air filter and pressure regulator, 0 - 12 bar, 1/4" BSP (FF).

## PUMPMASTER 2/3:1 PRESSURE RATIO PUMP PACKAGES

### PUMPMASTER 2/3:1 PRESSURE RATIO PUMP PACKAGES

Packages with high speed air operated medium pressure transfer pump. The pump is designed to fit the 2" bung opening hole on 50 and 205 l drums or to be mounted on a lid for open drums.

3:1 ratio pumps are used for a clean and efficient transfer and delivery of lubricants, from their original drum to miscellaneous reservoirs, engines, crank cases, gear boxes, etc. without the risk of lubricant contamination. They are recommended for transferring high viscosity lubricants or when cold weather can limit pump performance. This pump can be easily transferred from one drum to another. An adjustable adapter fits any drum or drum cover with a 2" BSP bung opening. Pump weight is only 4,2 kg.

Flow rate can be easily adjusted by regulating the air inlet flow with an optional air valve and the pressure output can be adjusted using an optional air pressure regulator.

454 150

454 110

454 111

454 100



PART No.	DESCRIPTION	PUMP	HOSE	DELIVERY GUN	APPLICATION	APPROX. DELIVERY
454 110	3:1 transfer package, metered	354 120	3 m x 1/2" 362 103	Hose end meter 365 603	205 L DRUMS	12 l/min <sup>(1)</sup>
454 111	3:1 transfer package	354 120	3 m x 1/2" 362 103	Oil control gun 363 078	205 L DRUMS	15 l/min <sup>(1)</sup>
454 100	Transfer pump with outlet valve 2:1 pressure ratio	352 220	None	Oil spigot valve 361 100 with tray 736 462	205 L DRUMS	23 l/min <sup>(1)</sup>
454 150	3:1 transfer pump	353 120	6 m x 1/2" 362 306	Hose end meter 365 603	1.000 L IBC	12 l/min <sup>(1)</sup>

(1) Delivery with SAE 30 oil at 7 bar inlet pressure and 20 °C temperature.

#### Not included options:

**239 000:** 1/4" BSP (MM) connection adaptor.

**240 200:** Air pressure regulator 0 - 12 bar, 1/4" BSP (FF)

**240 500:** Air filter and pressure regulator, 0 - 12 bar, 1/4" BSP (FF).

**PUMPMASTER 2/3:1 PRESSURE RATIO PUMP PACKAGES WITH HOSE REEL**

454 605



454 651



454 659


**DRUM MOUNTED 3:1 OIL PUMP PACKAGES WITH HOSE REEL**
**454 605 Drum mounted 3:1 oil pump with hose reel and hose end meter**

Complete package for 205 l drums. Includes all accessories required for installation and connection to the compressed air supply.

**Includes:**

- 379 300: 3:1 pump kit for 205 l drums.
- 506 202: Open type single arm reel with 10 m x 1/2" hose.
- 365 603: Hose end meter with semiautomatic non drip nozzle.

**454 600 Drum mounted 3:1 oil pump with hose reel and hose end meter**

As above, but with double pedestal arm reel with 10 m hose (PN 501 200) instead of reel 506 202.

**WALL MOUNTED 3:1 OIL PUMP PACKAGES WITH OPEN TYPE HOSE REEL**
**454 651 Wall mounted 3:1 oil pump with open type hose reel and hose end meter**

Complete package for 205 l drums. Includes all accessories required for installation and connection to the compressed air supply.

**Includes:**

- 379 000: Wall mounted 3:1 pump kit for 205 l drums.
- 506 202: Open type single arm reel with 10 m x 1/2" hose.
- 365 603: Hose end meter with semiautomatic non drip nozzle.
- 360 127: Oil gun holder with drip tray.

**454 653 Wall mounted 3:1 oil pump with hose reel and hose end meter**

As above, but with double pedestal arm reel with 10 m hose (PN 501 200) instead of hose reel 506 202.

**WALL MOUNTED 3:1 OIL PUMP PACKAGES WITH ENCLOSED TYPE HOSE REEL**
**454 659 Wall mounted 3:1 oil pump with enclosed type hose reel and hose end meter**

Complete package for 205 l drums. Includes all accessories required for installation and connection to the compressed air supply.

**Includes:**

- 379 000: Wall mounted 3:1 pump kit for 205 l drums.
- 507 202: Enclosed type hose reel with 10 m x 1/2" hose.
- 365 603: Hose end meter with semiautomatic non drip nozzle.
- 360 127: Oil gun holder and drip holster.

**Not included options:**

- 239 000:** 1/4" BSP (MM) connection adaptor.
- 240 200:** Air pressure regulator 0 - 12 bar, 1/4" BSP (FF).
- 240 500:** Air filter and pressure regulator, 0 - 12 bar, 1/4" BSP (FF).
- 360 111:** Hose reel pivoting bracket.
- 360 127:** Control gun holder with drip tray.

454 694

454 699



3:1 OIL PUMP WITH HOSE REEL  
PACKAGES FOR 1.000 LITRE IBCS

**454 694, 3:1 oil pump package with hose reel for 1.000 litre IBCs, top mounted**

3:1 oil pump equipped with a 10 m oil hose reel and hose end meter mounted on a bracket on the top of the IBC. The package includes a suction hose to fit the IBC lower outlet.

**Includes:**

- 353 120: 3:1 oil pump.
- 360 106: Bracket for IBC.
- 745 306: Suction hose with adaptor for connecting to the IBC lower outlet.
- 506 202: Open type single arm reel with 10 m x 1/2" hose.
- 360 126: Hose end meter bracket for hose reels.
- 360 102: Pump bracket.
- 365 603: Hose end meter.

**454 695, 3:1 oil pump, hose reel and meter package for 1.000 litre IBCs, top mounted**

As above, but with double pedestal arm reel with 10 m hose (PN 501 200) instead of reel 506 202.

**Not included options:**

- 239 000:** 1/4" BSP (MM) connection adaptor.
- 240 200:** Air pressure regulator 0 - 12 bar, 1/4" BSP (FF)
- 240 500:** Air filter and pressure regulator, 0 - 12 bar, 1/4" BSP (FF).



3:1 OIL PUMP WITH HOSE REEL PACKAGES FOR 1.000 LITRE IBCS

**454 699, 3:1 oil pump package with hose reel for 1.000 litre IBCs, side mounted**

3:1 oil pump equipped with a 10 m oil hose reel and hose end meter mounted on a bracket on the side of the IBC. The package includes a suction hose to fit the IBC lower outlet.

**Includes:**

- 353 120: 3:1 oil pump.
- 360 107: Bracket for IBC.
- 745 304: Suction hose with adaptor for connecting to the IBC lower outlet.
- 506 202: Open type single arm reel with 10 m x 1/2" hose.
- 360 126: Hose end meter bracket for hose reels.
- 360 102: Pump bracket.
- 365 603: Hose end meter.
- 360 111: Hose reel pivoting bracket.

**454 697, 3:1 oil pump, hose reel and meter package for 1.000 litre IBCs, side mounted**

As above, but with double pedestal arm reel with 10 m hose (PN 501 200) instead of reel 506 202.

450 000

450 010



*Tool cabinet is an option*

#### LUBRICATION WORKBENCH SYSTEM 2 x 205 LITRE DRUMS

##### **450 000 Two drum lubrication bench**

Ready to use bench, with no need of assembly as all components are factory mounted. Compact design, can store two 205 l drums. The unit can be placed in any existing service bay. Easy transportation to a new location without dismantling. It has a metal workstop to be used as a workbench. As an option, a tool cabinet with lockable shutter can be included.

The system includes two 3:1 pressure ratio air operated oil pumps, two enclosed hose reels with 10 m hose with electronic hose end meters and two air distribution hoses with quick couplers, tyre gauge and blow gun.



#### LUBRICATION BENCH SYSTEM 1 x 205 LITRE DRUM

##### **450 010 One drum lubrication bench**

Similar to model 450 000, but with capacity for one 205 l drum. The unit includes one 3:1 pressure ratio air operated oil pump, one enclosed hose reel with 10 m hose with electronic hose end meter and one air distribution hose with quick coupler and blow gun.

##### **Not included options:**

**281 501:** Tool cabinet for workbench (PN 450 000).



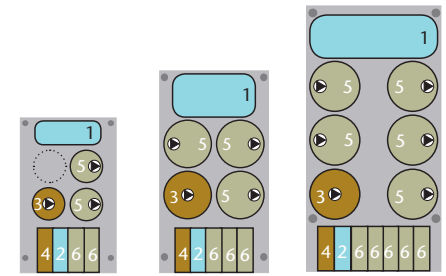
## FIELD SERVICE UNITS


### FIELD SERVICE UNITS

Field service units are designed and manufactured to provide efficient means of servicing large or dispersed vehicles when a return to base workshop would be costly and time consuming.

The typical use for these units is for servicing construction, mining and agricultural equipment. They are also an appreciated alternative for vehicle service in quarrying and open cast mining, power generation plants, airfield equipment and even as temporary maintenance centres for commercial or public services vehicles.

Field service units provide means of dispensing all lubricants and grease together with compressed air and, if required, other fluids. Field service units are equipped with their own independently powered gasoline engine compressor (diesel engine on demand except for model 450 200) thus enabling full workshop service routines to be carried out even in the most remote locations. Units are fully equipped with the necessary pumps, hose reels, meters, air compressor and other accessories required for operation, all securely mounted to a rugged chassis.




 Air supply

1 air compressor

 Grease supply

2 hose reel for air

3 air operated grease pump

 Oil supply

4 hose reel for grease

5 air operated oil pump

6 hose reel for oil



TECHNICAL DATA AND MODELS	450 200	451 000	452 000
Dimensions (length x width x height) mm	1.800 x 1.040 x 1.100	2.400 x 1.300 x 1.360	3.200 x 1.600 x 1.360
Approximate weight (empty / full drums) kg	469 / 649	700 / 1420	863 / 1943
Air compressor, (gasoline engine, manual start) equivalent electric power / delivery / reservoir	3 hp / 350 l/min / 50 l	3 hp / 350 l/min / 150 l	5.5 hp / 570 l/min / 300 l
Compressed air service outlets	1	1	1
Grease service outlets	1 (50 kg drums)	1 (185 kg drums)	1 (185 kg drums)
Oil service outlets	2 x (50 l drums)	3 (205 l drums)	5 (205 l drums)
Crane for lifting drums	-	1	1
Tool box size (mm) (located under the hose reels)	880 x 510 x 200	500 x 600 x 200	1.260 x 510 x 200

#### Each service unit includes:

**Compressed air service outlet:** One full metal double pedestal arm 15 m x 1/2" hose reel with air coupler, connector and blowgun, spray gun and tire inflator.

**Grease service outlet:** One full metal double pedestal arm 15 m x 3/8" hose reel, PumpMaster 3+3/60:1 grease pump kit, control handle and Z-swivel.

**Oil service outlet:** One full metal double pedestal arm 15 m x 1/2" hose reel, digital electronic hose end meter and one PumpMaster 4/5:1 oil pump kit.

Alternative pumps and hose reels can be used on demand.

