

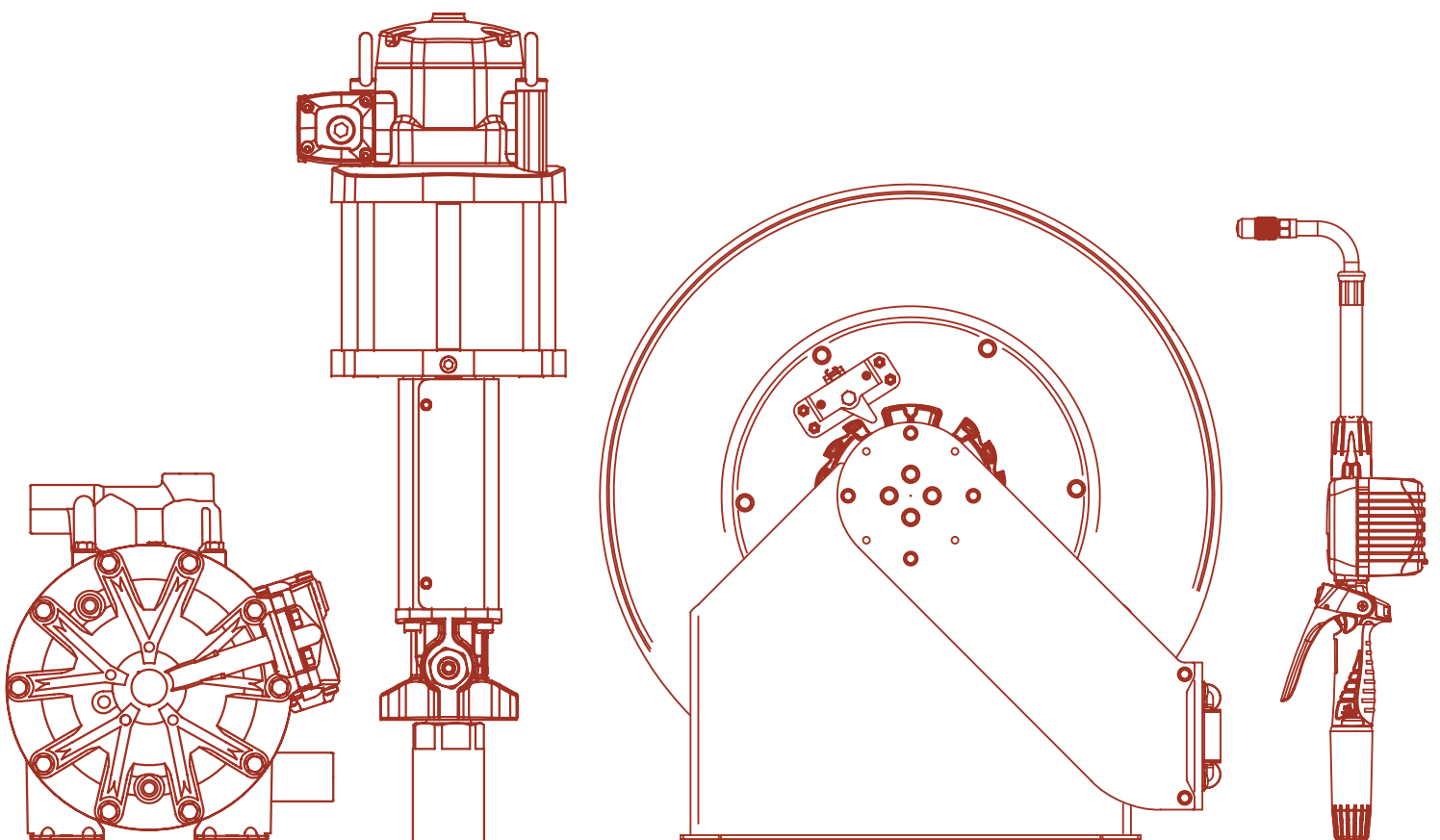


V219

PRODUCT CATALOGUE

LUBRICATION EQUIPMENT

AUTOMOTIVE • PETROLEUM • INDUSTRIAL



01 AIR OPERATED OIL PUMPS AND KITS

AIR OPERATED OIL PUMPS	6
PUMPMAS TM 2 - 1:1 RATIO OIL PUMPS	8
PUMPMAS TM 2 - 3:1 RATIO OIL PUMPS	10
PUMPMAS TM 2 ACCESSORIES, OTHER MOBILE OIL DISPENSERS.	13
PUMPMAS TM 4 - 3:1 RATIO OIL PUMPS	14
PUMPMAS TM 4 - 5:1 RATIO OIL PUMPS	15
PUMPMAS TM 4 - 3:1 AND 5:1 OIL PUMPS INSTALLATION KITS AND ACCESSORIES	16
PUMPMAS TM 35 - 5:1 RATIO OIL PUMPS	17
PUMPMAS TM 35 - 8:1 RATIO OIL PUMPS	18
PUMPMAS TM 35 - 5:1 AND 8:1 OIL PUMPS INSTALLATION KITS AND ACCESSORIES	19
PUMPMAS TM 45 - 3:1 RATIO OIL PUMP	20
PUMPMAS TM 45 - 6:1 RATIO OIL PUMP	21
PUMPMAS TM 45 - 10:1 RATIO OIL PUMPS	22
PUMPMAS TM 60 - 6:1 RATIO OIL PUMP	23
PUMPMAS TM 60 - 12:1 RATIO OIL PUMP	24
PUMPMAS TM 45 AND 60 ACCESSORIES	25
OIL PUMP ACCESSORIES	26



It all starts with the pump; the heart of the system. The choice of a pump requires considering a wide variety of factors so that your system will provide years of dependable service. SAMOA has engineered a broad offering of oil pumps to handle a wide variety of applications. This range of pumps will fit original containers of different sizes and bulk storage tanks; covering applications that range from the transfer of oil to very large centralized systems.

PRESSURE AND VOLUME

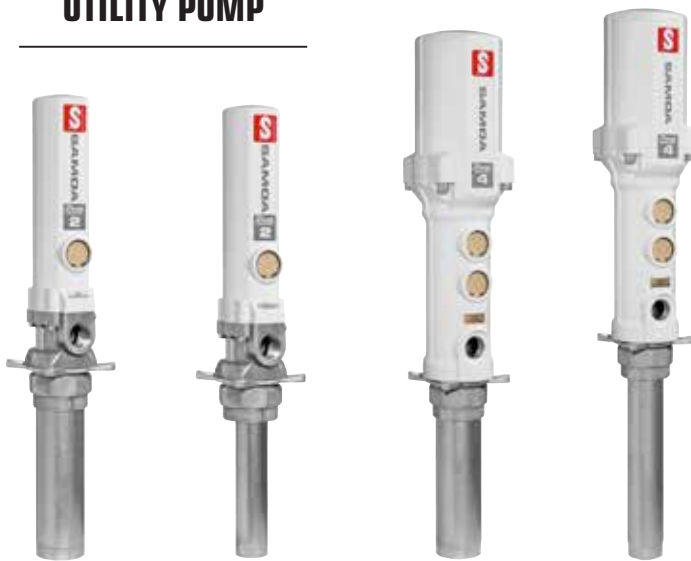
An important, and often confusing, aspect of selecting a pump is how to determine which pump ratio and what pump size to select. The pump ratio is calculated by dividing the surface area of the air motor piston by the surface area of the fluid piston. The maximum pressure at the pump outlet is determined by multiplying the air inlet pressure by the pump pressure ratio. Restrictions such as the 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 size determines the amount of fluid flowing through the piston 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 delivery, product dispensed...) in choosing the proper pump size for your system.



STANDARD DUTY

UTILITY PUMP



HEAVY-DUTY



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

	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 OPERATION OUTLETS	1 (no reels)	1	1 to 2	1 to 2	1 to 3	1 to 2
MAX. LINE LENGTH	30 m - 100'	60 m - 200'	60 m - 200'	150 m - 500'	150 m - 500'	200 m - 650'
APPLICATION	Service shops In-plant oil transfer Agriculture Marine	Auto dealers Service shops Fast lube centers Agriculture Marine	Auto dealers Service shops Fleet service Fast lube centers In-plant	Auto and truck dealers Fleet service Marine In-plant	Auto and truck dealers Fleet service Mining and construction Lube trucks Railroad and mass transit Marine In-plant	Vehicle maintenance Fleet service Marine Mining and construction Lube truck



HEAVY-DUTY



PUMPMASTER 45 - 3:1	PUMPMASTER 45 - 6:1	PUMPMASTER 45 - 10:1	PUMPMASTER 60 - 6:1	PUMPMASTER 60 - 12:1
Heavy-Duty Volume Transfer	Heavy-Duty High Flow	Heavy-Duty Pressure Flow	Heavy-Duty High Delivery	Heavy-Duty High Performance
3 to 4	3 to 4	3 to 4	3 to 4	3 to 4
75 m - 250'	160 m - 525'	240 m - 800'	160 m - 525'	250 m - 800'
Construction equipment Mining equipment Large fleets Railroad and mass transit Marine In-plant oil distribution	Large auto and truck dealers Construction equipment Mining equipment Railroad and mass transit Large fleets Lube trucks Marine In-plant oil distribution	Large auto and truck dealers Construction equipment Mining equipment Railroad and mass transit Large fleets Lube trucks Marine In-plant oil distribution	Very large auto and truck dealers Construction equipment Mining equipment Large fleets Railroad and mass transit Marine In-plant oil distribution	Very large auto and truck dealers Construction equipment Mining equipment Large fleets Railroad and mass transit Marine In-plant oil distribution

Double acting air operated low pressure pumps for transferring lubricants. Pumps include height adjustable 2" BSP (M) bung adaptor for tank or drum bung mounting.



FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Transmission fluid.
- Hydraulic oil.
- Diesel.

MARKETS SERVED

- Service shops.
- In plant oil transfer.
- Agriculture.
- Marine.
- Mining and construction.

MODELS				
PART No.	APPLICATION	PUMP TUBE HEIGHT	TOTAL HEIGHT	WEIGHT
351 120	Universal stub pump	215 mm	500 mm	2,5 kg
356 120	60 l (16 gal) drum bung mounted	700 mm	985 mm	4,8 kg
352 120	205 l (55 gal) drum bung mounted	915 mm	1.200 mm	5,4 kg

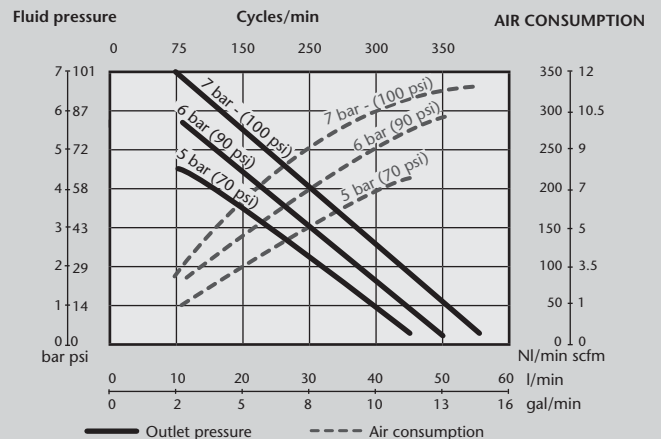
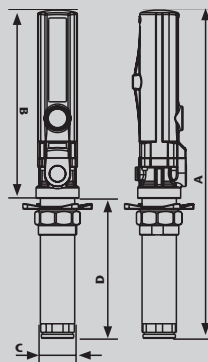
TECHNICAL DATA	
Pump pressure ratio	1:1
Air pressure operating range	1,5 - 10 bar (20 to 140 psi)
Air consumption ⁽¹⁾	150 NL/min (5.3 scfm)
Maximum fluid outlet pressure	10 bar (140 psi)
Air motor diameter	51 mm (2")
Air motor effective diameter	35 mm (1.4")
Air motor stroke	75 mm (3")
Delivery at 150 cpm	20 l/min (5.3 US gpm)
Maximum free flow delivery ⁽²⁾	52 l/min (13,7 US gpm)
Air inlet	1/4" NPSM (F)
Fluid inlet (short pump only)	1" BSP (F)
Fluid outlet	3/4" NPSM (F)
Wetted and seal materials	Aluminium / Steel / NBR / Acetal / Polyurethane
Noise level ⁽³⁾	80 dB

(1) Air consumption with 6 bar air inlet pressure and 150 cycles per minute.

(2) Maximum free delivery at 7 bar.

(3) Maximum noise level measured at 1 m from the pump, 7 bar air pressure and free delivery.

SAE 30, 72 °F (22 °C) CAPACITY CURVE



DIMENSIONS (mm)			
MODEL	351 120	356 120	352 120
A (mm)	500	985	1.200
B (mm)	285	285	285
C (mm)	52	52	52
D (mm)	215	700	915

PUMPMASTER 2 - 1:1 RATIO OIL PUMPS



PUMPMASTER 2 - 1:1 PUMP PACKAGES FOR 205 LITRE DRUMS

Packages with air operated low pressure transfer pump. The pump is designed to fit through the 2" bung opening on 50 and 205 l oil drums or to be mounted on a lid for open drums. The pump is fixed using a height adjustable bung adapter.

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, buckets, auxiliary tanks, etc., without the risk of lubricant contamination.

An air valve or an optional pressure regulator allows the user to adjust the pump speed and 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	APPLICATION	PUMP	HOSE	DELIVERY GUN	AIR INLET ACCESSORY	APPROX.. DELIVERY
454 002	1:1 high volume transfer package	205 l drums	352 120	3 m x 3/4" 362 303	High delivery nozzle 361 000	Needle air valve 950 302	30 l/min ⁽¹⁾
454 003	1:1 transfer package	205 l drums	352 120	3 m x 1/2" 362 103	Oil control gun 363 115	–	15 l/min ⁽¹⁾
454 010	1:1 transfer package, metered	205 l drums	352 120	3 m x 1/2" 362 103	Hose end meter 365 535	–	10 l/min ⁽¹⁾
454 009 ⁽³⁾	1:1 grease transfer package	185 kg drums	352 120	3 m x 3/4" 362 303	Ball valve with angled nozzle	Needle air valve 950 302	3,2 kg/min ⁽²⁾

(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 also 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).

Double acting air operated medium pressure pumps for dispensing lubricants from mobile units, oil distribution packages and small systems. Pumps include height adjustable 2" BSP (M) bung adaptor for tank or drum bung mounting. Built in port for optional pressure relief valve (PN 609 007).



FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Hydraulic oil.
- Gear oil.
- Transmission fluid.

MARKETS SERVED

- Auto dealers.
- Service shops.
- Fast lube centres.
- Agriculture.
- Marine.
- Mining and construction.

MODELS

PART No.	APPLICATION	PUMP TUBE HEIGHT	TOTAL HEIGHT	WEIGHT
353 120	Universal stub pump	200 mm	495 mm	2 kg
358 120	60 l (16 gal) drum bung mounted	700 mm	995 mm	3 kg
354 120	205 l (55 gal) drum bung mounted	905 mm	1.200 mm	3,5 kg

TECHNICAL DATA

Pump pressure ratio	3:1
Air pressure operating range	1,5 - 10 bar (20 to 140 psi)
Air consumption ⁽¹⁾	180 NL/min (6.4 scfm)
Maximum fluid outlet pressure	30 bar (420 psi)
Air motor diameter	51 mm (2")
Air motor effective diameter	35 mm (1.4")
Air motor stroke	75 mm (3")
Delivery at 200 cpm	10 l/min (2.7 US gpm)
Maximum free flow delivery ⁽²⁾	35 l/min (9.3 US gpm)
Air inlet	1/4" NPSM (F)
Fluid inlet (short pump only)	3/4" BSP (F)
Fluid outlet	1/2" BSP (F)
Wetted and seal materials	Aluminium / Steel / NBR / PTFE
Noise level ⁽³⁾	80 dB

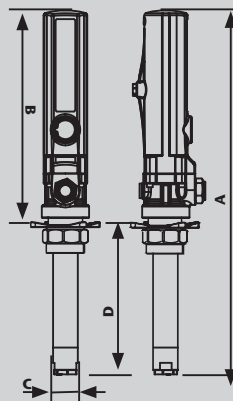
(1) Air consumption with 6 bar air inlet pressure and 200 cycles per minute.

(2) Maximum free delivery at 7 bar.

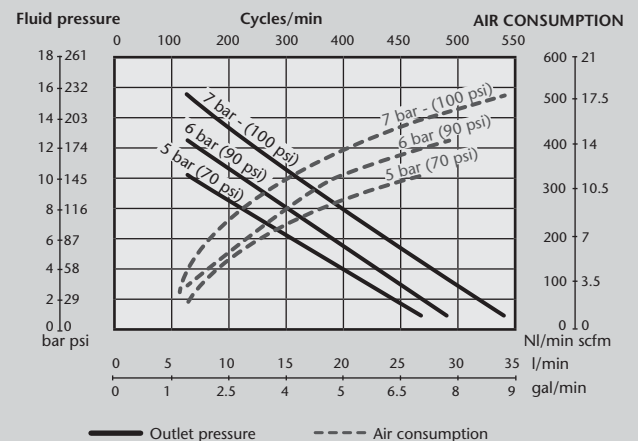
(3) Maximum noise level measured at 1 m from the pump, 7 bar air pressure and free delivery.

DIMENSIONS (mm)

MODEL	353 120	358 120	354 120
A (mm)	495	995	1.200
B (mm)	295	295	295
C (mm)	34	34	34
D (mm)	200	700	905



SAE 30, 72 °F (22 °C) CAPACITY CURVE



PUMPMASTER 2 - 3:1 RATIO OIL PUMPS



Lubricant dispensing and transfer require more than a bare pump. SAMOA offers a range of pump packages and installation kits that include all the accessories needed to efficiently dispense or transfer lubricants. Packages and kits can be used with 205 litre oil drums, 1.000 l IBCs and tanks. They provide an easy solution to common applications.



PUMPMASTER 2 - 3:1 OIL PUMP PACKAGES

PART No.	DESCRIPTION	APPLICATION	PUMP	HOSE	DELIVERY GUN	APPROX. DELIVERY
454 110	3:1 transfer metered package	205 l drums	354 120	3 m x 1/2" (362 103)	Hose end meter 365 535	12 l/min ⁽¹⁾
454 111	3:1 transfer package	205 l drums	354 120	3 m x 1/2" (362 103)	Oil control gun 363 115	15 l/min ⁽¹⁾
454 100	Transfer pump with spigot valve	205 l drums	352 220 ⁽³⁾	-	Oil spigot valve 361 100 and tray 736 462	23 l/min ⁽¹⁾
454 150	3:1 transfer pump + IBC side bracket ⁽²⁾	1.000 l IBC	353 120	6 m x 1/2" (362 106)	Hose end meter 365 535	12 l/min ⁽¹⁾

(1) Delivery with SAE 30 oil at 7 bar inlet pressure and 20 °C room temperature.
 (2) Includes suction hose 745 304 with elbow and connection accessories.
 (3) 2:1 pressure ratio pump.



PUMPMASTER 2 - 3:1 OIL PUMP KITS

	PUMPMASTER 2 TANK MOUNTED PUMP KIT	PUMPMASTER 2 WALL MOUNTED PUMP KIT	PUMPMASTER 2 DRUM BUNG MOUNTED PUMP KIT
PART No.	379 003	379 000	379 300
APPLICATION	Tanks	205 l drums	205 l drums
PUMP	353 120	353 120	354 120
SUCTION KIT	1.400 mm suction tube 368 104	367 102	-
HOSE CONNECTION KIT	362 910	362 910	362 910

PUMP PACKAGE AND KIT ACCESSORIES

- 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).
- 609 007:** Pressure relief valve, 1/4" BSP (M) - 60 bar approx. opening pressure. When mounted to the pump body, prevents damage in the system caused by over pressure produced by thermal expansion (1 °C increase in temperature can cause up to 10 bar increase in the system pressure).
- 950 300:** 1/2" BSP (FF) ball valve.

PUMPMASTER 2 - 3:1 RATIO OIL PUMPS

454 605



454 659



454 694



454 699



PUMPMASTER 2 - 3:1 OIL PUMP PACKAGES

PART No.	APPLICATION	PUMP	HOSE END METER	HOSE REEL	PUMP CONNECTION KIT	SUCTION KIT	PUMP BRACKET	DRIP POCKET
454 605	205 l drum, drum mounted	354 120	365 535	506 202	362 910	-	-	-
454 600	205 l drum, drum mounted	354 120	365 535	501 200	362 910	-	-	-
454 651	205 l drum, wall mounted	353 120	365 535	506 202	362 910	367 000	360 102	360 127
454 653	205 l drum, wall mounted	353 120	365 535	501 200	362 910	367 000	360 102	360 127
454 659	205 l drum, wall mounted	353 120	365 535	507 202	362 910	367 000	360 102	360 127
454 694	1.000 l IBC, IBC top mounted	353120	365 535	506 202	-	745 300 + 745 301 + 945 572	360 102 + 360 106	-
454 695	1.000 l IBC, IBC top mounted	353 120	365 535	501 200	-	745 300 + 745 301 + 945 572	360 102 + 360 106	-
454 699	1.000 l IBC, IBC side mounted	353 120	365 535	506 202	-	745 301 + 745 302 + 945 572	360 102 + 360 107	-
454 697	1.000 l IBC, IBC side mounted	353 120	365 535	501 200	-	745 301 + 745 302 + 945 572	360 102 + 360 107	-

376 300 - 376 610 - 378 120

MOBILE UNITS WITH PUMPMASTER 3:1 OIL PUMP



PART No.	APPLICATION	PUMP	HOSE END METER	DELIVERY HOSE	TROLLEY	OTHER ACCESSORIES
370 400	50 l drum	358 120	365 535	3 m x 1/2" 362 103	431 000	Drum cover 418 010
328 010	Self contained, 70 l	358 120	365 535	3 m x 1/2" 362 103	373 310	Self contained 70 l tank
376 300	205 l drum	354 120	365 535	3 m x 1/2" 362 103	432 000	-
376 610	205 l drum	353 120	365 535	3 m x 1/2" 362 103	432 814	Suction hose 367 011
378 120	205 l drum	353 120	365 535	10 m hose reel 506 202	432 814	Suction hose 367 011



PUMPMASTER 2 ACCESSORIES, OTHER MOBILE OIL DISPENSERS



PUMPMASTER 2 ACCESSORIES

360 102



360 102 Wall bracket
360 120 Floor bracket

360 120



360 001



BUNG ADAPTORS 2" (M) CONNECTION FOR DRUM AND TANKS BUNG OPENINGS

360 000 Bung adaptor for PM2 3:1 pumps
Pump tube outside diameter: 34 mm.

360 001 Bung adaptor for PM2 1:1 pumps
Pump tube outside diameter: 52 mm.

AIR ACCESSORIES

See page 27 for air accessories.

367 000



SUCTION ASSEMBLIES AND SUCTION HOSES

Suction assemblies for wall mounted stub pumps. Assemblies include Ø 42 suction tube with foot valve, height adjustable 2" bung adaptor and 2 m x 3/4" rubber connection hose.

367 000 Suction assembly for 1.000 l IBC and 205 l drums

1.060 mm suction tube.

367 003 Suction assembly for tanks

1.600 mm suction tube.

367 011 spring reinforced transparent suction hose

For 205 l drums and 1.000 l IBC. 3 m x 3/4".

367 012 spring reinforced transparent suction hose with foot valve

For 205 l drums and 1.000 l IBC. 3 m x 3/4", includes foot valve.

367 102 Pump suction kit

Includes suction assemble 367 000 and pump bracket 360 102.

367 011



362 910



HOSE CONNECTION KIT

362 910 PM2 pump connection kit
1 m x 1/4" air hose 246 010, one 1/2" BSP (M) x 1/4" BSP (F) connection adapter 945 516, 1 m x 1/2" oil hose with 1/2" BSP (MM) fittings, one automatic quick air coupling 1/4" BSP (F) 253 114 and one quick air connector 1/4" BSP (M).

609 007



PRESSURE RELIEF VALVE

SAMOA pumps include a 1/4" plug that can be removed and replaced with a pressure relief valve.

609 007 Pressure relief valve

Opens at approx. 60 bar. Possibility to connect either a 1/4" hose with a clamp or a hose with 1/8" BSP (F) fitting as oil return live.

OTHER MOBILE OIL DISPENSERS



PRESSURIZED LUBRICANT DISPENSERS 25 LITRES

Mobile unit for viscous lubricants. 25 l container that must be pressurized using a tire inflator (maximum 7 bar (100 psi)). With safety valve and 1,5 m delivery hose with oil gun.

324 000 Pressurized lubricant dispenser, 25 litres.

324 010 Pressurized lubricant dispenser, 25 litres with meter.



SELF CONTAINED AIR OPERATED LUBRICANT DISPENSER 25 LITRES

Mobile unit for viscous lubricants. 25 l capacity tank with 2:1 pneumatic pump, oil meter at pump outlet, 1,5 m delivery hose and oil gun with non-drip tip.

327 020 Self contained air operated lubricant dispenser with meter, 25 litres.



SELF CONTAINED HAND OPERATED LUBRICANT DISPENSERS 25 LITRES

Mobile unit for viscous lubricants. 25 l capacity tank with hand pump and a 1,5 m delivery hose with angled spout.

325 000 Self contained hand operated lubricant dispenser, 25 litres.

325 010 Self contained hand operated lubricant dispenser with meter, 25 litres. Includes in line meter at pump outlet.



SELF CONTAINED HAND OPERATED LUBRICANT DISPENSERS 70 LITRES

Mobile unit for viscous lubricants. 70 l capacity tank with hand pump and a 1,5 m delivery hose with angled spout.

326 000 Self contained hand operated lubricant dispenser, 70 litres.

326 010 Self contained hand operated lubricant dispenser with meter, 70 l
With in line meter at pump outlet.

PUMPMASTER 4 - 3:1 RATIO OIL PUMPS

340 120

STANDARD DUTY MEDIUM PRESSURE PUMPS

Double acting air operated medium pressure high volume pumps for dispensing lubricants in medium size installations. Pumps include height adjustable 2" BSP (M) bung adaptor for drum and tank bung mounting. Built in port for optional pressure relief valve (PN 609 007).



FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Gear oil.
- Hydraulic oil.
- Transmission fluid.

MARKETS SERVED

- Vehicle maintenance centres and auto dealers.
- Fleet service.
- Fast lube centres.
- In-plant.

MODELS				
PART No.	APPLICATION	PUMP TUBE HEIGHT	TOTAL HEIGHT	WEIGHT
340 120	Universal stub pump	200 mm	585 mm	5,7 kg
341 120	205 l (55 gal) drum bung mounted	910 mm	1.295 mm	7,7 kg

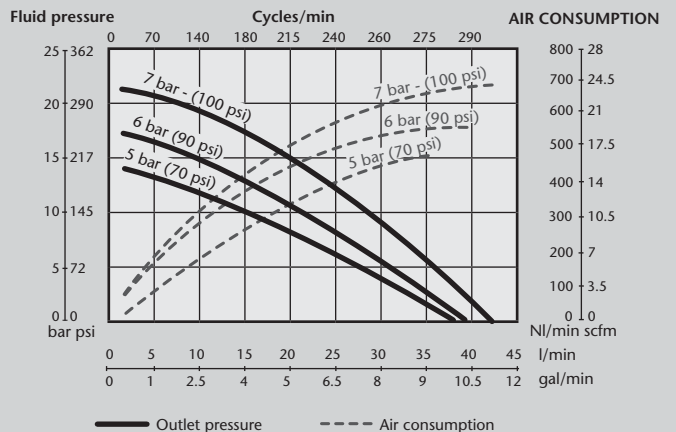
TECHNICAL DATA	
Pump pressure ratio	3:1
Air pressure operating range	1,5 - 10 bar (20 to 140 psi)
Air consumption ⁽¹⁾	285 NL/min (10 scfm)
Maximum fluid outlet pressure	30 bar (420 psi)
Air motor diameter	88 mm (3.5")
Air motor effective diameter	60 mm (2.4")
Air motor stroke	100 mm (4")
Delivery at 85 cpm	10 l/min (2.7 US gpm)
Maximum free flow delivery ⁽²⁾	42 l/min (11.1 US gpm)
Air inlet	3/8" NPSM (F)
Fluid inlet (short pump only)	1" BSP (F)
Fluid outlet	3/4" NPSM (F)
Wetted and seal materials	Aluminium / Steel / Polyurethane / NBR / PTFE
Noise level ⁽³⁾	93 dB

(1) Air consumption with 6 bar air inlet pressure and 10 l/min delivery.

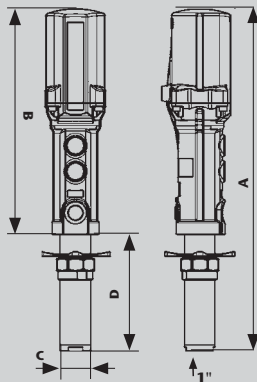
(2) Maximum free delivery at 7 bar.

(3) Maximum noise level measured at 1 m from the pump, 7 bar air pressure and free delivery.

SAE 30, 75 °F (24 °C) CAPACITY CURVE



DIMENSIONS (mm)		
MODEL	340 120	341 120
A (mm)	585	1.295
B (mm)	385	385
C (mm)	52	52
D (mm)	200	910



PUMPMASTER 4 - 5:1 RATIO OIL PUMPS



STANDARD DUTY MEDIUM PRESSURE PUMPS

347 120

Double action air operated medium pressure pumps for dispensing lubricants in medium to large size installations, that include multiple outlets with simultaneous operation. Pumps include height adjustable 2" BSP (M) bung adaptor for drum and tank bung mounting. Built in port for optional pressure relief valve (PN 609 007).

FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Gear oil.
- Hydraulic oil.
- Transmission fluid.

MARKETS SERVED

- Auto and truck dealers.
- Fleet service facilities.
- Marine.
- In-plant.

MODELS				
PART No.	APPLICATION	PUMP TUBE HEIGHT	TOTAL HEIGHT	WEIGHT
347 120	Universal stub pump	278 mm	663 mm	5,6 kg
348 120	205 l (55 gal) drum bung mounted	915 mm	7,4 kg	

TECHNICAL DATA	
Pump pressure ratio	5:1
Air pressure operating range	1,5 - 10 bar (20 to 140 psi)
Air consumption ⁽¹⁾	400 NL/min (14 scfm)
Maximum fluid outlet pressure	50 bar (700 psi)
Air motor diameter	88 mm (3.5")
Air motor effective diameter	60 mm (2.4")
Air motor stroke	100 mm (4")
Delivery at 125 cpm	10 l/min (2.7 US gpm)
Maximum free flow delivery ⁽²⁾	25 l/min (6.6 US gpm)
Air inlet	3/8" NPSM (F)
Fluid inlet (short pump only)	1" BSP (F)
Fluid outlet	3/4" NPSM (F)
Wetted and seal materials	Aluminium / Steel / Polyurethane / NBR / PTFE
Noise level ⁽³⁾	95 dB

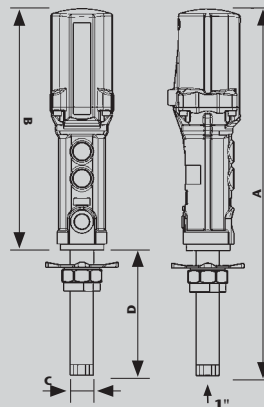
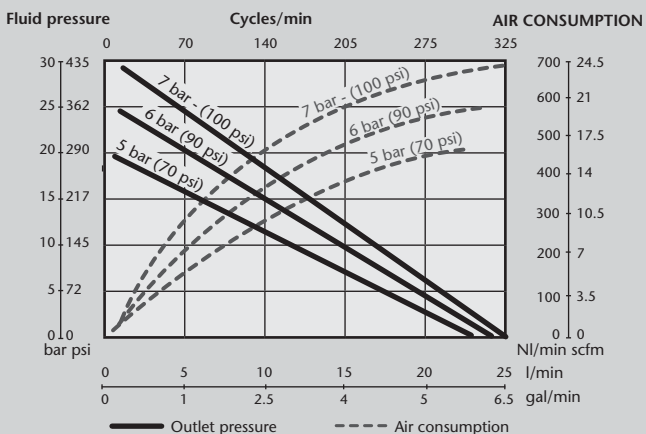
(1) Air consumption with 6 bar air inlet pressure and 10 l/min delivery.

(2) Maximum free delivery at 7 bar.

(3) Maximum noise level measured at 1 m from the pump, 7 bar air pressure and free delivery.



SAE 30, 73 °F (23 °C) CAPACITY CURVE

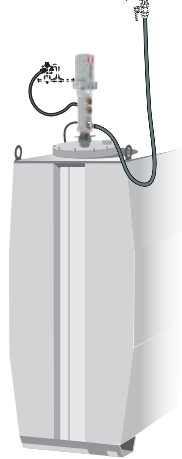


DIMENSIONS (mm)		
MODEL	347 120	348 120
A (mm)	663	1.300
B (mm)	385	385
C (mm)	42	42
D (mm)	278	915

PUMPMASTER 4 - 3:1 AND 5:1 OIL PUMPS INSTALLATION KITS AND ACCESSORIES

Installing an oil pump in a distribution system requires more than a bare pump. SAMOA offers a range of installation kits that include all the accessories needed to efficiently dispense or transfer lubricants. Kits can be used with 205 litre oil drums, 1.000 litre IBCs and tanks and they provide an easy solution to common applications.

379 503



379 500



379 504



	TANK MOUNTED PUMP KIT		WALL MOUNTED PUMP KIT		205 L DRUM MOUNTED PUMP KIT	
PUMP RATIO	PM4 - 3:1	PM4 - 5:1	PM4 - 3:1	PM4 - 5:1	PM4 - 3:1	PM4 - 5:1
KIT PART NUMBER	379 403	379 503	379 400	379 500	379 404	379 504
PUMP	340 120	347 120	340 120	347 120	341 120	348 120
SUCTION KIT	368 105 1.400 mm suction tube	368 105 1.400 mm suction tube	367 105	367 105	-	-
HOSE CONNECTION KIT	362 911	362 911	362 911	362 911	362 911	362 911

PUMP KIT ACCESSORIES

239 004: 1/2" BSP (MM) connection adaptor

241 201: Air pressure regulator, 0-12 bar, 3/8" BSP (F) - 1/2" BSP (F)

241 501: Air filter and pressure regulator, 0-12 bar, 3/8" BSP (F) - 1/2" BSP (F)

609 007: Pressure relief valve, 1/4" BSP (M) - 60 bar approx. opening pressure. When mounted to the pump body, prevents damage in the system caused by over pressure produced by thermal expansion (1 °C increase in temperature can cause up to 10 bar increase in the system pressure).

950 303: 3/4" BSP (FF) ball valve.

PUMPMASTER 4 PUMP ACCESSORIES

360 102



360 102 Wall bracket
360 120 Floor bracket

360 120



367 000



SUCTION ASSEMBLIES AND SUCTION HOSES

Suction assemblies for wall mounted stub pumps. Assemblies include Ø 42 suction tube with foot valve, height adjustable 2" bung adaptor and 2 m x 3/4" rubber connection hose.

367 000 Suction assembly for 1.000 litre IBC and 205 litre drums

1.060 mm suction tube.

367 003 Suction assembly for tanks

1.600 mm suction tube.

362 400 1 m x 1" connection hose. For connecting a PM4 pump to tank 1" BSP (M) connection on both sides, with a 90° connection on one side.

945 670 1" BSP (M) x 3/4" BSP (M) connection adaptor

Required for connecting the suction assemblies to a PM4 pump.

362 911



HOSE CONNECTION KIT

362 911 PumpMaster 4 pump connection kit

Includes 1 m x 3/8" air hose 247 710 with 1/2" and 3/8" BSP (M) fittings, 1,5 m x 3/4" oil hose with 3/4" BSP (MM) fittings 362301, one automatic quick air coupling 3/8" BSP (F) 253 138 and one quick air connector 3/8" BSP (M) 259 038.

PRESSURE RELIEF VALVE

SAMOA pumps include a 1/4" plug that can be removed and replaced with a pressure relief valve.

609 007 Pressure relief valve

opens at approx. 60 bar. Possibility to connect either a 1/4" hose with a clamp or a hose with 1/8" BSP (F) fitting as oil return live.

AIR ACCESSORIES

See page 27 for air accessories.

360 002



BUNG ADAPTOR 2" (M) CONNECTION FOR DRUM AND TANKS BUNG OPENINGS

360 001 Bung adaptor for PM4 - 3:1 pump

Pump tube outside diameter: 52 mm.

360 002 Bung adaptor for PM4 - 5:1 pumps

Pump tube outside diameter: 42 mm.

PUMPMASTER 35 - 5:1 RATIO OIL PUMPS



HEAVY-DUTY MEDIUM PRESSURE PUMP

535 530

Double acting air operated medium pressure pump for oil distribution applications. Pumps include height adjustable 2" BSP (M) bung adaptor for drum and tank bung mounting. Built in port for optional pressure relief valve (PN 609 007).

FLUIDS HANDLED

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

MARKETS SERVED

- Auto and truck dealers.
- Fleet service facilities.
- Mining and construction.
- Lube trucks.
- Railroad and mass transit maintenance.
- Marine.
- In-plant.



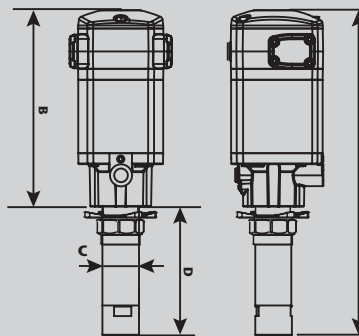
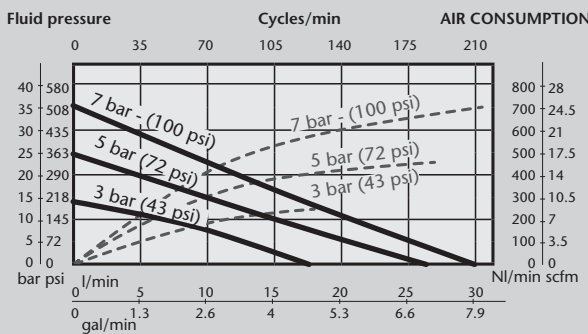
MODELS				
PART No.	APPLICATION	PUMP TUBE HEIGHT	TOTAL HEIGHT	WEIGHT
535 530	Universal stub pump with bung adaptor	200 mm	469 mm	5,6 kg
535 580	Universal stub pump	200 mm	469 mm	5,3 kg
535 510	205 l (55 gal) drum bung mounted	925 mm	1.194 mm	8 kg

TECHNICAL DATA	
Pump pressure ratio	5:1
Air pressure operating range	2 to 12 bar (30 to 175 psi)
Air consumption (1)	350 NI/min (12.4 scfm)
Maximum fluid outlet pressure	60 bar (875 psi)
Air motor effective diameter	80 mm (3.15")
Air motor stroke	80 mm (3.15")
Delivery at 80 cpm	12 l/min (3.2 gal/min)
Maximum free flow delivery	30 l/min (8 gal/min)
Air inlet	3/8" BSP (F)
Fluid inlet	1 1/2" BSP (F)
Fluid outlet	1/2" BSP (F)
Wetted and seal materials	Hard chromed steel / Steel / Polyurethane / NBR / Aluminium
Noise level (2)	80 dB

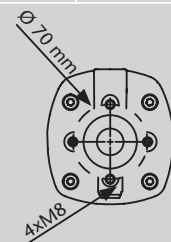
(1) Maximum air consumption with 5 bar (72 psi) air inlet pressure and 80 cpm.

(2) Maximum noise level measured at 1 m (3') from the pump, 7 bar (100 psi) air pressure and free delivery.

SAE 10, 21 °C (70 °F) CAPACITY CURVE



DIMENSIONS mm			
MODEL	535 530	535 580	535 510
A	469	469	1.194
B	269	269	269
C	52	52	52
D	200	200	925



— Outlet pressure
 - - - - - Air consumption

Product specifications are subject to change without prior notice

PUMPMASTER 35 - 8:1 RATIO OIL PUMPS

HEAVY-DUTY HIGH PRESSURE PUMP

Double acting air operated high pressure pump for oil distribution applications. Pumps include height adjustable 2" BSP (M) bung adaptor for drum and tank bung mounting. Built in port for optional pressure relief valve (PN 609 008).



FLUIDS HANDLED

- Synthetic and mineral based oil.
- Hydraulic oil.
- Gear lube.
- Transmission fluid.
- Corrosion protection fluids.

MARKETS SERVED

- Vehicle maintenance centres.
- Fleet service.
- Mining and construction.
- Lube trucks.
- Railroad and mass transit maintenance.
- Marine.
- In-plant.

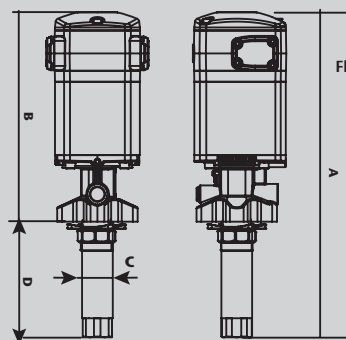
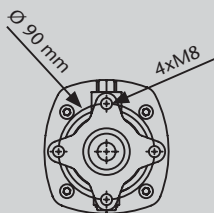
MODELS				
PART No.	APPLICATION	PUMP TUBE HEIGHT	TOTAL HEIGHT	WEIGHT
535 830	Universal stub pump with bung adaptor	200 mm	487 mm	6,8 kg
535 880	Universal stub pump	200 mm	487 mm	6,4 kg
535 810	205 l (55 gal) drum bung mounted	925 mm	1.212 mm	8,3 kg

TECHNICAL DATA	
Pump pressure ratio	8:1
Air pressure operating range	2 to 12 bar (30 to 175 psi)
Air consumption (1)	350 NI/min (12.4 scfm)
Maximum fluid outlet pressure	96 bar (1,400 psi)
Air motor effective diameter	80 mm (3.15")
Air motor stroke	80 mm (3.15")
Delivery at 80 cpm	7 l/min (1.9 gal/min)
Maximum free flow delivery	17 l/min (4.5 gal/min)
Air inlet	3/8" BSP (F)
Fluid inlet	1" BSP (F)
Fluid outlet	1/2" BSP (F)
Wetted and seal materials	Cast iron / Hard chromed steel / Steel / Polyurethane, NBR
Noise level (2)	80 dB

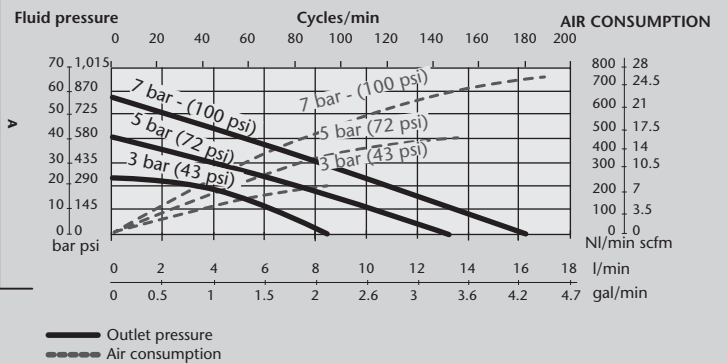
(1) Maximum air consumption with 5 psi (72 bar) air inlet pressure and 80 cpm.

(2) Maximum noise level measured at 3' (1 m) from the pump, 100 psi (7 bar) air pressure and free delivery.

DIMENSIONS mm			
MODEL	535 830	535 880	535 810
A	487	487	1.212
B	287	287	287
C	42	42	42
D	200	200	925



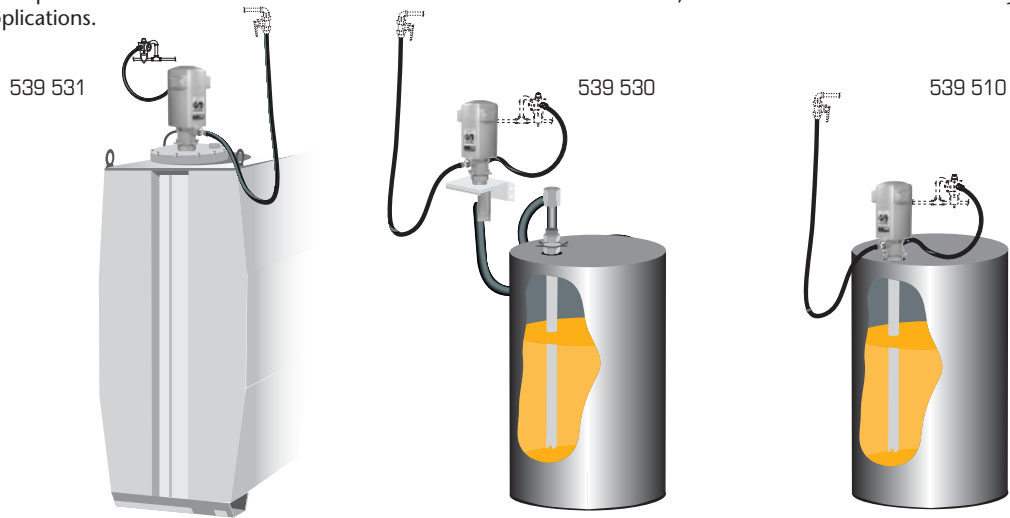
SAE 10, 21 °C (70 °F) CAPACITY CURVE



PUMPMASTER 35 - 5:1 AND 8:1 OIL PUMPS INSTALLATION KITS AND ACCESSORIES



Installing an oil pump in a distribution system requires more than a bare pump. SAMOA offers a range of installation kits that include all the accessories needed to efficiently dispense or transfer lubricants. Kits can be used with 205 litre oil drums, 1.000 litre IBCs and tanks and they provide an easy solution to common applications.



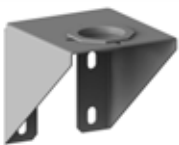
PUMP RATIO	TANK MOUNTED PUMP KIT		WALL MOUNTED PUMP KIT		205 l DRUM MOUNTED PUMP KIT	
	PM35 - 5:1	PM35 - 8:1	PM35 - 5:1	PM35 - 8:1	PM35 - 5:1	PM35 - 8:1
KIT PART NUMBER	539 531	539 831	539 530	539 830	539 510	539 810
PUMP	535 530	535 830	535 530	535 830	535 510	535 810
SUCTION KIT	368 112	368 105	367 106	367 107	-	-
HOSE CONNECTION KIT	539 805	539 805	539 805	539 805	539 805	539 805

PUMP KIT ACCESSORIES

- 239 004:** 1/2" BSP (MM) connection adaptor.
- 241 201:** Air pressure regulator, 0-12 bar, 3/8" BSP (F) - 1/2" BSP (F).
- 241 501:** Air filter and pressure regulator, 0-12 bar, 3/8" BSP (F) - 1/2" BSP (F).
- 609 007:** Pressure relief valve, 1/4" BSP (M) - 60 bar approx. opening pressure.
- 609 008:** Pressure relief valve, 1/4" BSP (M) - 100 bar approx. opening pressure.
- 950 303:** 3/4" BSP (FF) ball valve.

PUMPMASTER 35 PUMP ACCESSORIES

360 139



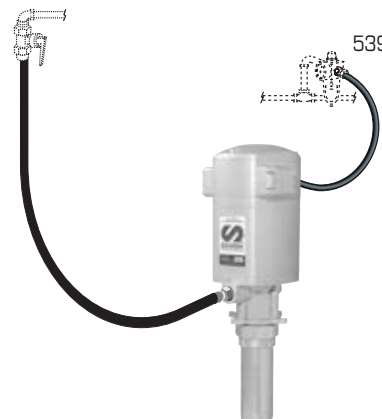
609 007



367 006



539 805



PUMP BRACKETS

- 360 139 Wall bracket**, bung mount pump (2" F).
- 360 140 Wall bracket**, flange mount pump (4 x M8).

PRESSURE RELIEF VALVES

For protection against overpressure caused by oil thermal expansion (1 °C increase in temperature can cause 10 bar increase in system pressure). SAMOA pumps include a 1/4" plug that can be removed and replaced with a pressure relief valve.

- 609 007 PM35 - 5:1 Pressure relief valve** opens at approx. 60 bar. Possibility to connect either a 1/4" hose with a clamp or a hose with 1/8" BSP (F) fitting as oil return live.
- 609 008 PM35 - 8:1 Pressure relief valve** Same as 609 007 but for 100 bar.

SUCTION ASSEMBLIES AND SUCTION HOSES

Suction assemblies for wall mounted stub pumps. Assemblies include Ø 42 suction tube with foot valve, height adjustable 2" bung adaptor and 2 m x 1" rubber connection hose.

- 367 006 Suction assembly** for 1.000 litre IBC and 205 litre drums. 1,060 mm suction tube.
- 362 400, 1 m x 1" connection hose.** For connecting a PM35 pump to tank 1" BSP (M) connection on one side, with a 1" BSP (M) - 90° connection on the other side.
- 945 555, 1" BSP (MM) connection adaptor.** Required for connecting the suction assemblies to a PM35 - 8:1 pump.
- 945 681, 1" BSP (M) - 1 1/2" BSP (M) connection adaptor.** Required for connecting the suction assemblies to a PM35 - 5:1 pump.

HOSE CONNECTION KIT

539 805 PM35 pump connection kit Includes 1 m x 3/8" air hose (247 710) with elbow (239 350), quick air coupling (253 138), air nipple (259 038) and 1,5 m x 1/2" oil hose (362 101) with swivel elbow (945 736).

AIR ACCESSORIES

See page 27 for air accessories.

PUMPMASTER 45 - 3:1 RATIO OIL PUMP

536 330

HEAVY-DUTY VOLUME TRANSFER PUMP

Double acting air operated medium pressure and high delivery pump for large volume transfer applications. Built in port for optional pressure relief valve (PN 609 007). Flange mounted pump.



FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Hydraulic oil.
- Gear oil.
- Transmission fluid.

MARKETS SERVED

- Construction equipment maintenance.
- Mining equipment.
- Large fleets.
- Railroad and mass transit maintenance.
- Marine.
- In plant oil distribution and transfer.

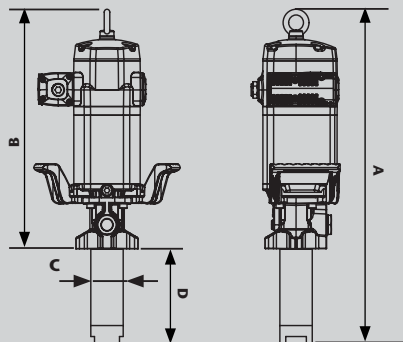
MODELS				
PART No.	APPLICATION	PUMP TUBE HEIGHT	TOTAL HEIGHT	WEIGHT
536 330	Universal stub pump	200 mm	702 mm	17 kg

TECHNICAL DATA	
Pump pressure ratio	3:1
Air pressure operating range	1,5 to 12 bar (20 to 170 psi)
Air consumption ⁽¹⁾	800 NI/min (28 scfm)
Maximum fluid outlet pressure	36 bar (510 psi)
Air motor effective diameter	115 mm (4 1/2")
Air motor stroke	100 mm (4")
Delivery at 80 cpm	45 l/min (11.88 gal/min)
Maximum free flow delivery	120 l/min (31.70 gal/min)
Air inlet	1/2" BSP (F)
Fluid inlet	1 1/2" BSP (F)
Fluid outlet	3/4" BSP (F)
Wetted and seal materials	Cast iron / Nickel / Aluminium / Steel / Polyurethane / NBR
Noise level ⁽²⁾	80 dB

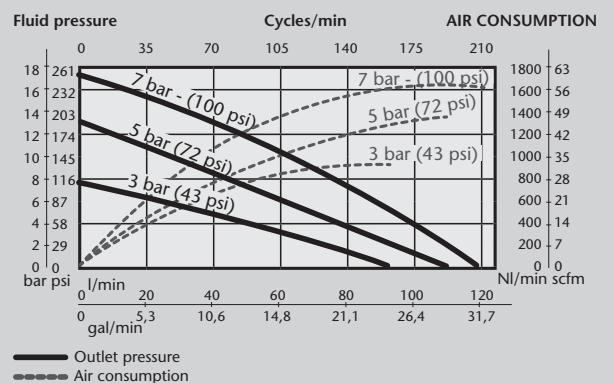
(1) Maximum air consumption with 5 bar air inlet pressure and 80 cpm.

(2) Maximum noise level measured at 1 m from the pump, 7 bar air pressure and free delivery.

DIMENSIONS (mm)	
MODEL	536 330
A (mm)	702
B (mm)	502
C (mm)	90
D (mm)	200



SAE 10, 21 °C (70 °F) CAPACITY



PUMPMASTER 45 - 6:1 RATIO OIL PUMP

HEAVY-DUTY HIGH FLOW PUMP

536 630

Double acting air operated medium pressure for large systems with simultaneous operation outlets that require a high delivery pump. Built in port for optional pressure relief valve (PN 609 007). Flange mounted pump.

FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Hydraulic oil.
- Gear oil.
- Transmission fluid.

MARKETS SERVED

- Large auto and truck dealers.
- Construction equipment maintenance.
- Mining equipment maintenance.
- Large fleets.
- Railroad and mass transit maintenance.
- Marine.
- In plant oil distribution.

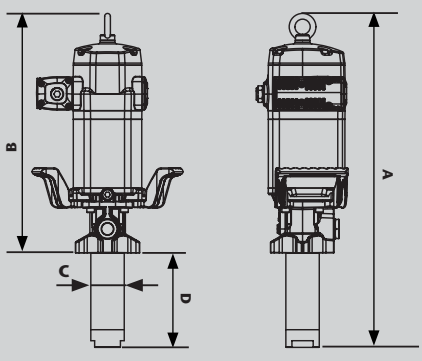
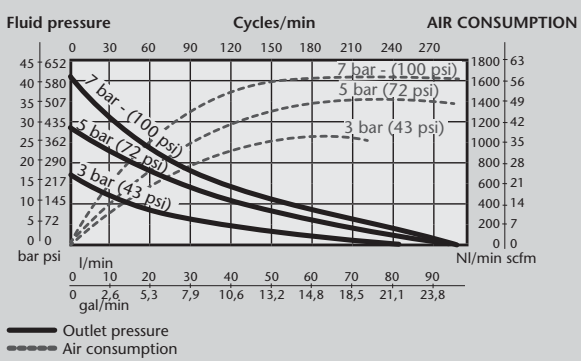


MODELS				
PART No.	APPLICATION	PUMP TUBE HEIGHT	TOTAL HEIGHT	WEIGHT
536 630	Universal stub pump	200 mm	702 mm	17 kg

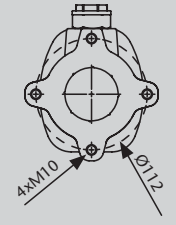
TECHNICAL DATA	
Pump pressure ratio	6:1
Air pressure operating range	1,5 to 12 bar (20 to 170 psi)
Air consumption ⁽¹⁾	830 NI/min (29 scfm)
Maximum fluid outlet pressure	72 bar (1,020 psi)
Air motor effective diameter	115 mm (4 1/2")
Air motor stroke	100 mm (4")
Delivery at 80 cpm	25 l/min (6.60 gal/min)
Maximum free flow delivery	95 l/min (25.09 gal/min)
Air inlet	1/2" BSP (F)
Fluid inlet	1 1/2" BSP (F)
Fluid outlet	3/4" BSP (F)
Wetted and seal materials	Cast iron / Hard chromed steel / Steel / Polyurethane / NBR
Noise level ⁽²⁾	80 dB

(1) Maximum air consumption with 5 bar air inlet pressure and 80 cpm.
 (2) Maximum noise level measured at 1 m from the pump, 7 bar air pressure and free delivery.

SAE 10, 21 °C (70 °F) CAPACITY



DIMENSIONS (mm)	
MODEL	536 630
A (mm)	702
B (mm)	502
C (mm)	70
D (mm)	200



PUMPMASTER 45 - 10:1 RATIO OIL PUMPS

536 010

HEAVY-DUTY PRESSURE FLOW PUMPS

Double acting air operated moderate pressure pump for very large oil systems or when a low air pressure or cold temperatures would limit pump performance. Built in port for optional pressure relief valve (PN 609 007). Flange mounted pumps. Pump 536 010 can also use bung adaptor (PN 360 006) for bung mounting.

FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Hydraulic oil.
- Gear oil.
- Transmission fluid.

MARKETS SERVED

- Large auto and truck dealers.
- Construction equipment maintenance.
- Mining equipment maintenance.
- Railroad and mass transit maintenance.
- Large fleets.
- Lube trucks.
- Marine.
- In plant oil distribution.



MODELS

PART No.	APPLICATION	PUMP TUBE HEIGHT	TOTAL HEIGHT	WEIGHT
536 030	Universal stub pump	200 mm	702 mm	16,5 kg
536 010	205 l drum bung mounted	855 mm	1.357 mm	17 kg

TECHNICAL DATA

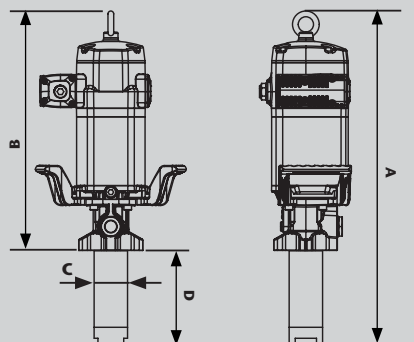
Pump pressure ratio	10:1
Air pressure operating range	1,5 to 12 bar (20 to 170 psi)
Air consumption ⁽¹⁾	850 NI/min (30 scfm)
Maximum fluid outlet pressure	120 bar (1,700 psi)
Air motor effective diameter	115 mm (4 1/2")
Air motor stroke	100 mm (4")
Delivery at 80 cpm	15 l/min (4 gal/min)
Maximum free flow delivery	65 l/min (17.17 gal/min)
Air inlet	1/2" BSP (F)
Fluid inlet	1 1/2" BSP (F)
Fluid outlet	3/4" BSP (F)
Wetted and seal materials	Cast iron / Hard chromed steel / Steel / Polyurethane / NBR
Noise level ⁽²⁾	80 dB

(1) Maximum air consumption with 5 bar air inlet pressure and 80 cpm.

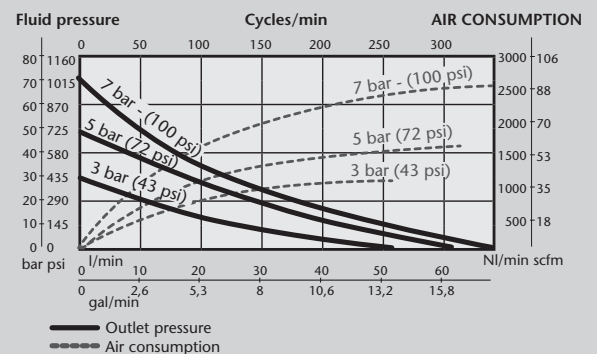
(2) Maximum noise level measured at 1 m from the pump, 7 bar air pressure and free delivery.

DIMENSIONS (mm)

MODEL	536 030	536 010
A (mm)	702	1.357
B (mm)	502	502
C (mm)	54	54
D (mm)	200	855



SAE 10, 21 °C (70 °F) CAPACITY



PUMPMASTER 60 - 6:1 RATIO OIL PUMP



HEAVY-DUTY HIGH DELIVERY PUMP

537 630

Double acting air operated medium pressure and high delivery pump, for large installations with simultaneous operation outlets and applications that require large, constant delivery rates. Built in port for optional pressure relief valve (PN 609 007). Flange mounted pump.

FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Hydraulic oil.
- Gear oil.
- Transmission fluid.

MARKETS SERVED

- Very large auto and truck dealers.
- Construction equipment maintenance.
- Mining equipment maintenance.
- Large fleets.
- Railroad and mass transit maintenance.
- Marine.
- In plant oil distribution.

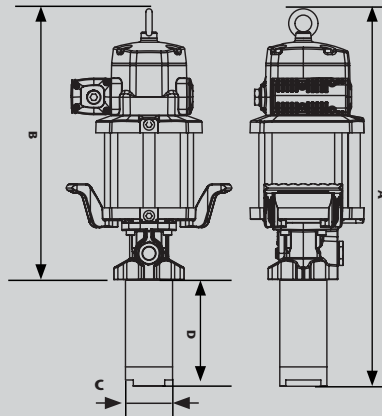
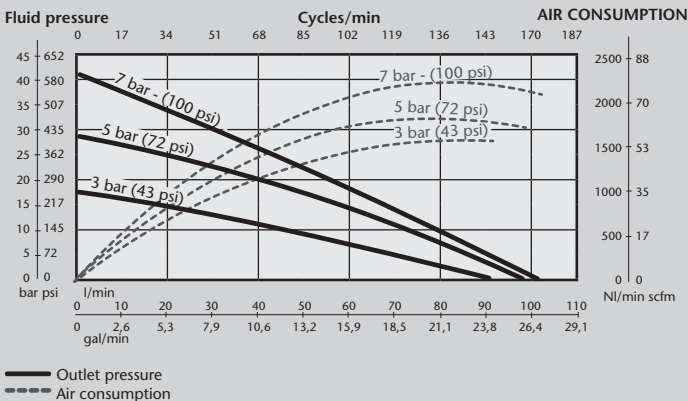


MODELS				
PART No.	APPLICATION	PUMP TUBE HEIGHT	TOTAL HEIGHT	WEIGHT
537 630	Universal stub pump	200 mm	716 mm	19 kg

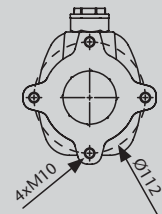
TECHNICAL DATA	
Pump pressure ratio	6:1
Air pressure operating range	1,5 to 12 bar (20 to 170 psi)
Air consumption ⁽¹⁾	1.100 NI (39 scfm)
Maximum fluid outlet pressure	72 bar (1,020 psi)
Air motor effective diameter	150 mm (6")
Air motor stroke	100 mm (4")
Delivery at 60 cpm	35 l/min (9.25 gal/min)
Maximum free flow delivery	100 l/min (26.42 gal/min)
Air inlet	1/2" BSP (F)
Fluid inlet	1 1/2" BSP (F)
Fluid outlet	3/4" BSP (F)
Wetted and seal materials	Cast iron / Aluminium / Nickel / Steel / Polyurethane / NBR
Noise level ⁽²⁾	80 dB

(1) Maximum air consumption with 5 bar air inlet pressure and 60 cpm.
 (2) Maximum noise level measured at 1 m from the pump, 7 bar air pressure and free delivery.

SAE 10, 21 °C (70 °F) CAPACITY



DIMENSIONS (mm)	
MODEL	537 630
A (mm)	716
B (mm)	516
C (mm)	90
D (mm)	200



PUMPMASTER 60 - 12:1 RATIO OIL PUMP

537 130

HEAVY-DUTY HIGH PERFORMANCE PUMP

Double acting air operated moderate pressure and high delivery for very large installation with simultaneous operation outlets or when low air pressure would limit pump performances. Built in port for optional pressure relief valve (PN 609 007). Flange mounted pump.



FLUIDS HANDLED

- Synthetic and mineral based lubricants.
- Hydraulic oil.
- Gear oil.
- Transmission fluid.

MARKETS SERVED

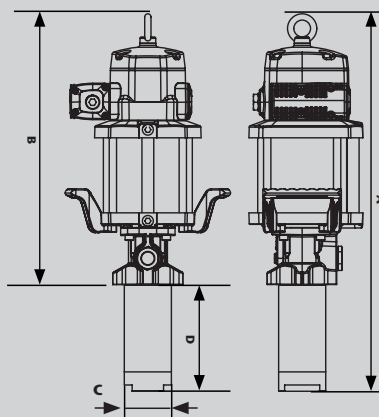
- Very large auto and truck dealers.
- Construction equipment maintenance.
- Mining equipment maintenance.
- Large fleets.
- Railroad and mass transit maintenance.
- Marine.
- In plant oil distribution.

MODELS				
PART No.	APPLICATION	PUMP TUBE HEIGHT	TOTAL HEIGHT	WEIGHT
537 130	Universal stub pump	200 mm	716 mm	19 kg

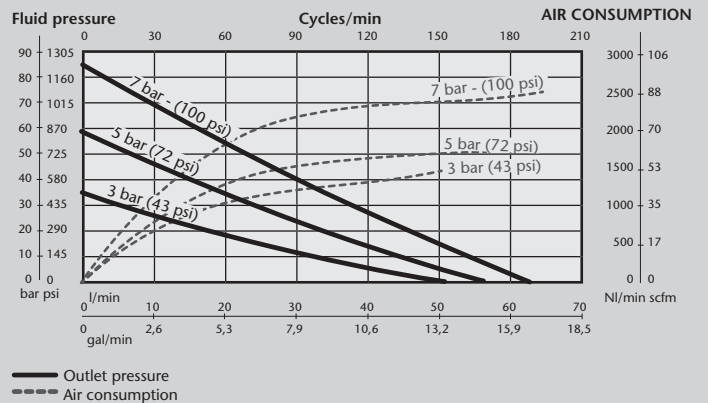
TECHNICAL DATA	
Pump pressure ratio	12:1
Air pressure operating range	1,5 to 12 bar (20 to 170 psi)
Air consumption ⁽¹⁾	1.150 NI (41 scfm)
Maximum fluid outlet pressure	144 bar (2,040 psi)
Air motor effective diameter	150 mm (6")
Air motor stroke	100 mm (4")
Delivery at 60 cpm	20 l/min (5.30 gal/min)
Maximum free flow delivery	65 l/min (17 gal/min)
Air inlet	1/2" BSP (F)
Fluid inlet	1 1/2" BSP (F)
Fluid outlet	3/4" BSP (F)
Wetted and seal materials	Cast iron / Hard chromed steel / Steel / Polyurethane / NBR
Noise level ⁽²⁾	80 dB

(1) Maximum air consumption with 5 bar air inlet pressure and 60 cpm.
 (2) Maximum noise level measured at 1 m from the pump, 7 bar air pressure and free delivery.

DIMENSIONS (mm)	
MODEL	537 130
A (mm)	716
B (mm)	516
C (mm)	70
D (mm)	200



SAE 10, 21 °C (70 °F) CAPACITY



PUMPMASTER 45 AND 60 ACCESSORIES



HOSE CONNECTION KIT

539 009

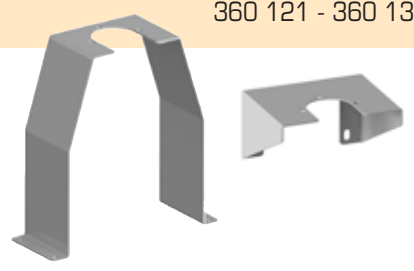
539 009 Hose Connection kit for PM45 and PM60 oil pumps
Includes 1 m x 1/2" air hose (PN 248 018) with swivel elbow (PN 239 352), quick air coupler (PN 251 412), air nipple (PN 255 312), and 2 m x 3/4" oil hose (PN 362 302) with swivel elbow (PN 945 738).



PUMP BRACKETS

360 121 - 360 132

360 132 Wall bracket. For PM45 and PM60 universal stub pumps.
360 121 Floor bracket. For PM45 and PM60 universal stub pumps.



BUNG ADAPTOR

360 006

For use with PM45 10:1 pressure ratio pumps only
PM45 10:1 pumps are the only pumps with a 2" pump tube and therefore the only pumps that fit through 2" bung openings on drums and tanks. All other PM45 and PM60 pumps must be wall or floor mounted using an adequate bracket and suction accessories.

360 006 Bung adaptor
For PM45 10:1 pumps only.



SUCTION ACCESSORIES

367 016 Suction assembly for 205 l drums and lbs. For use with PM45 10:1 wall mounted universal stub pumps only.

It includes a 42 mm x 2 m suction tube with foot valve and 2 m x 3/4" hose.

362 402 Suction hose 1.800 mm x 1-1/2" rubber connection hose.
1-1/2" BSP (M) connection elbow on one side and 1-1/2" (M) straight connection on the other.

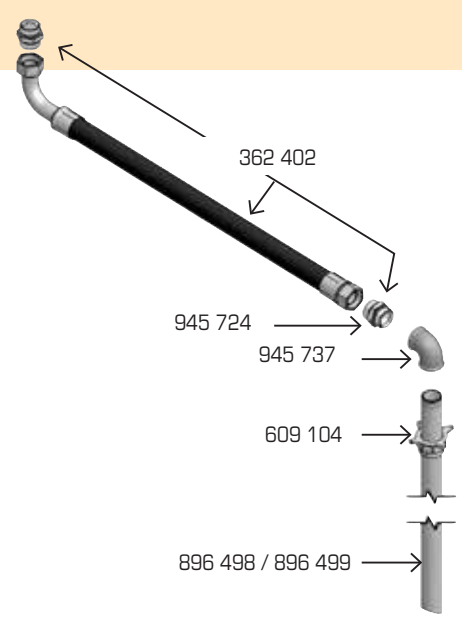
945 724 Connection adaptor, 1-1/2" BSP (MM).

945 737 Elbow, 1-1/2" BSP (FF).

609 104 Bung adaptor
Adaptor for fixing tube 736 771 to a 2" bung opening.

896 498 Suction tube
1.000 x 1-1/2", 1-1/2" BSP (MF) connection threads.

896 499 Suction tube
1.250 x 1-1/2", 1-1/2" BSP (MF) connection threads.



PRESSURE RELEASE VALVES

609 007

Prevent damage caused by overpressure due to oil thermal expansion.
609 007 Pressure release valve. Opening pressure approximate 60 bar.
609 008 Pressure release valve. Opening pressure approximate 100 bar.



OIL PUMP ACCESSORIES

PUMP BRACKETS



PM2 AND PM4 PUMP BRACKETS

360 102 Wall bracket

360 120 Floor bracket

360 106 Bracket for fixing a pump and a hose reel on top of a 1.000 l IBC

Requires pump bracket 360 102 (not included).

360 107 Bracket for fixing a pump and a hose reel laterally on a 1.000 l IBC

Requires pump bracket 360 102 (not included).

360 108 Bracket for fixing a pump laterally on a 1.000 l IBC

Requires pump bracket 360 102 (not included).

PM35 PUMP BRACKETS

360 139 Wall bracket, bung mount pump (2" F).

360 140 Wall bracket, flange mount pump (4 x M8).

PM45 AND PM60 PUMP BRACKETS

360 132 Wall bracket

360 121 Floor bracket

CONNECTION ADAPTERS AND VALVES



CONNECTION ADAPTERS

945 590, 1/4" BSP (MM).

945 592, 3/8" BSP (MM).

945 558, 1/2" BSP (MM).

945 551, 3/4" BSP (MM).

945 555, 1" BSP (MM).

945 724, 1 1/2" BSP (MM).

945 681, 1 1/2" BSP (M) - 1" BSP (M).

945 552 1" BSP (M) - 3/4" BSP (M).

945 554, 3/4" BSP (M) - 1/2" BSP (M).

945 557, 1/2" BSP (M) - 3/8" BSP (M).

945 567, 2" BSP (M) - 1 1/2" BSP (M).

945 565, 2" BSP (M) - 1" BSP (F).

945 513, 1 1/4" BSP (M) - 3/4" BSP (F).

945 670, 1" BSP (M) - 3/4" BSP (F).

369 900, 3/4" BSP (M) - 1/2" BSP (F).

945 556, 1/2" BSP (M) - 3/8" BSP (F).

369 601, 1/2" BSP (MM) 45° elbow.

945 572, 3/4" BSP (MF) 90° elbow.

945 548, 1/2" BSP (MM) 90° elbow.

945 738, 3/4" BSP (M) - 3/4" BSP (F) elbow.

LOW AND MEDIUM PRESSURE VALVES

950 305, 1/4" BSP (FF), 65 bar quarter turn valve.

950 320, 3/8" BSP (FF), 65 bar quarter turn valve.

950 300, 1/2" BSP (FF), 65 bar quarter turn valve.

950 303, 3/4" BSP (FF), 40 bar quarter turn valve.

950 306, 1" BSP (FF), 40 bar quarter turn valve.

950 312, 1-1/2" BSP (FF), 25 bar quarter turn valve.

950 308, 2" BSP (FF), 25 bar quarter turn valve.

HIGH PRESSURE VALVES

950 304, 1/2" BSP (FF), 500 bar quarter turn valve.

950 328, 3/4" BSP (FF), 400 bar quarter turn valve.

950 329, 1" BSP (FF), 350 bar quarter turn valve.

AIR LINE SHUTOFF VALVES

950 302, Needle air valve 1/4" BSP (FF).

950 321, Air valve 1/4" BSP (FF).

950 318, Air valve 3/8" BSP (FF).

950 319, Air valve 1/2" BSP (FF).

362 104

OIL HOSES



Manufactured in NBR with a steel reinforcement braid. With two swaged nuts and male-male adaptors on both ends.

362 100, 1 m x 1/2". Working pressure: 160 bar. Connection threads: 1/2" BSP (MM).

362 101, 1,5 m x 1/2". Working pressure: 160 bar. Connection threads: 1/2" BSP (MM).

362 102, 2 m x 1/2". Working pressure: 160 bar. Connection threads: 1/2" BSP (MM).

362 103, 3 m x 1/2". Working pressure: 160 bar. Connection threads: 1/2" BSP (MM).

362 104, 4 m x 1/2". Working pressure: 160 bar. Connection threads: 1/2" BSP (MM).

362 300, 1 m x 3/4". Working pressure: 100 bar. Connection threads: 3/4" BSP (MM).

362 301, 1,5 m x 3/4". Working pressure: 100 bar. Connection threads: 3/4" BSP (MM).

362 302, 1,8 m x 3/4". Working pressure: 100 bar. Connection threads: 3/4" BSP (MM).

362 303, 3 m x 3/4". Working pressure: 100 bar. Connection threads: 3/4" BSP (MM).

OIL PUMP ACCESSORIES

AIR QUICK COUPLERS

Standard Series Quick Couplers.
 Manufactured in brass, with nickel plated body and stainless steel wear parts, Compatible with US MIL C4109 – ISO 6150 B12. Flow capacity: 1.000 l/min.

PART No.	THREAD	APPLICATION
253 114	1/4" BSP (F)	PM2 pump
253 138	3/8" BSP(F)	PM4 and PM35 pumps
253 112	1/2" BSP (F)	PM45 and PM60 pumps



Safety Quick Couplers
 One-step release and exhaust operation quickly vents system pressure allowing for a safe disconnect. Manufactured in stainless steel, nickel plated brass, NBR and TPE. Compatible with ISO 6150 B12. Flow capacity: 1,200 l/min.

PART No.	THREAD	APPLICATION
250 614	1/4" BSP (F)	PM2 pump
250 638	3/8" BSP(F)	PM4 and PM35 pumps
250 612	1/2" BSP (F)	PM45 and PM60 pumps



AIR NIPPLES

Compatible with US MIL C4109 - ISO 6150 B12.

PART No.	THREAD	APPLICATION
259 014	1/4" BSP (M)	PM2 pump
259 038	3/8" BSP(M)	PM4 and PM35 pumps
259 012	1/2" BSP (M)	PM45 and PM60 pumps



AIR TREATMENT UNITS

PART No.	THREAD	COMPONENT	APPLICATION
240 000	1/4" BSP (FF)	Combined air filter, regulator and lubricator	PM2 pumps
240 201		Combined air filter and regulator	
240 200		Air line regulator	
241 001	1/2" BSP (FF) with 1/2" BSP(M) – 3/8" BSP(F) adaptors	Combined air filter, regulator and lubricator	PM4 and PM35 pumps
241 501		Combined air filter and regulator	
241 201		Air line regulator	
242 102	3/4" BSP (FF)	Combined air filter, regulator and lubricator	PM45 and PM60 pumps
242 302		Air filter	
242 202		Air line regulator	



AIR HOSES

PART No.	LENGTH	INT. DIAM.	CONNECTION THREADS	APPLICATION
246 006	0,6 m	1/4" - 6 mm	1/4" BSPT (MM)	PM2 pumps
246 010	1,0 m	1/4" - 6 mm	1/4" BSPT (MM)	
246 015	1,5 m	1/4" - 6 mm	1/4" BSPT (MM)	
247 706	0,6 m	3/8" - 10 mm	3/8" x 1/2" BSPT (MM)	PM4 and PM35 pumps
247 710	1,0 m	3/8" - 10 mm	3/8" x 1/2" BSPT (MM)	
247 715	1,5 m	3/8" - 10 mm	3/8" x 1/2" BSPT (MM)	
362 100	1,0 m	1/2" - 12 mm	1/2" BSPT (MM)	PM45 and PM60 pumps
362 101	1,5 m	1/2" - 12 mm	1/2" BSPT (MM)	



OIL PUMPS MOUNTING ACCESSORIES QUICK REFERENCE CHART

PUMP	PUMPMASTER 2		PUMPMASTER 4		PUMPMASTER 35		PUMPMASTER 45			PUMPMASTER 60	
	1:1	3:1	3:1	5:1	5:1	8:1	3:1	6:1	10:1	6:1	12:1
BUNG ADAPTOR	360 001	360 000	360 001	360 002	360 001	360 002	(1)	(1)	360 006	(1)	(1)
CONNECTION HOSE KIT	362 910	362 910	362 911	362 911	539 805	539 805	539 009	539 009	539 009	539 009	539 009
WALL MOUNTING BRACKET	360 102	360 102	360 102	360 102	360 139	360 139	360 132	360 132	360 132	360 132	360 132
FLOOR BRACKET	360 120	360 120	360 120	360 120	-	-	360 121	360 121	360 121	360 121	360 121
THERMAL RELIEF KIT	Not needed	609 007	609 007	609 007	609 007	609 008	609 007	609 008	609 008	609 008	609 008
AIR REGULATOR WITH GAUGE	240 200	240 200	241 201	241 201	241 201	241 201	241 201	241 201	241 201	241 201	241 201
AIR FILTER LUBRICATOR	240 500	240 500	241 501	241 501	241 501	241 501	241 501	241 501	241 501	241 501	241 501
FRL	240 000	240 000	241 001	241 001	241 001	241 001	241 001	241 001	241 001	241 001	241 001
AIRLINE SHUTOFF VALVE	950 302	950 321	950 318	950 318	950 318	950 318	950 319	950 319	950 319	950 319	950 319
FLUID SHUTOFF VALVE	950 303	950 303	950 303	950 303	950 303	950 303	950 303	950 303	950 328	950 303	950 328
SUCTION KIT (*)	367 000	367 000	367 000	367 000	367 006	367 006	(2)	(2)	367 016	(2)	(2)
QUICK AIR COUPLER	253 114	253 114	253 138	253 138	253 138	253 138	251 412	251 412	251 412	251 412	251 412
QUICK AIR CONNECTOR	259 014	259 014	259 038	259 038	259 038	259 038	255 312	255 312	255 312	255 312	255 312
AIR CONNECTION ACCESSORIES I.D.	1/4" - 6 mm	1/4" - 6 mm	3/8" - 8 mm	3/8" - 8 mm	3/8" - 8 mm	3/8" - 8 mm	1/2" - 12 mm	1/2" - 12,5 mm	1/2" - 12,5 mm	1/2" - 12,5 mm	1/2" - 12,5 mm

(*) Suction kit for 200 l drum. Pump bracket not included.

(1) Pump must be wall or floor mounted.

(2) SAMOA recommends using 1-1/2" x 2 m maximum length hose as suction kit. See page 25.

PUMP INSTALLATION RECOMMENDATIONS

- Always use a ball valve between the tank outlet and the suction hose.
- Always use a ball valve between the pump outlet hose and the fluid distribution line.