

UTILITY TRANSFER - 1:1 RATIO OIL PUMPS

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	215mm	500mm	2,5kg
356 120	60 l (16 gal) drum bung mounted	700mm	985mm	4,8kg
352 120	205 l (55 gal) drum bung mounted	915mm	1.200mm	5,4kg

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 cfm)
Maximum fluid outlet pressure	10 bar (140 psi)
Air motor diameter	51mm (2")
Air motor effective diameter	35mm (1.4")
Air motor stroke	75mm (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" BSP (F)
Fluid inlet (short pump only)	1" BSP (F)
Fluid outlet	3/4" BSP (F)
Wetted and seal materials	Aluminium / Steel / NBR / Acetal / Polyurethane
Noise level ⁽³⁾	80 dB

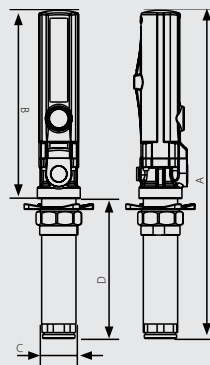
(1) Air consumption with 6 bar air inlet pressure and 150 cycles per minute.

(2) Maximum free delivery at 7 bar.

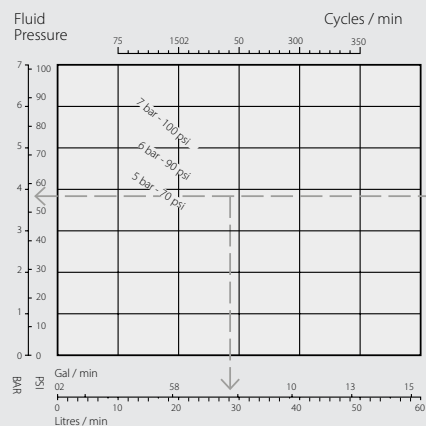
(3) Maximum noise level measured at 1 m from the pump, 7 bar air pressure and free delivery.



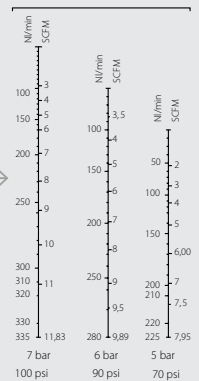
DIMENSIONS (mm)			
MODEL	351 120	356 120	352 120
A (mm)	500	985	1.200
B (mm)	285	285	285
C (mm)	52	52	52
D (mm)	215	700	915



SAE 30 - 20 °C (68 °F) CAPACITY



AIR CONSUMPTION



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.



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	3m 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	3m 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	3m x 1/2" 362 103	Hose end meter 365 535	–	10 l/min ⁽¹⁾
454 009 ⁽³⁾	1:1 grease transfer package	185kg drums	352 120	3m 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 NLGI2 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).

ACCESSORIES

See page 27 for air accessories.

360 102 Wall bracket



360 120 Floor bracket



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: 34mm.

360 001 Bung adaptor for PM2 1:1 pumps.

Pump tube outside diameter: 52mm.

367 000



367 011



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. 1060mm suction tube.

367 003 Suction assembly for tanks. 1600mm suction tube.

367 011 Spring reinforced transparent suction hose. For 205 l drums and 1.000 l IBC. 3m x 3/4".

367 012 Spring reinforced transparent suction hose with foot valve. For 205 l drums and 1.000 l IBC. 3m x 3/4", includes foot valve.

367 102 Pump suction kit. Includes suction assemble 367 000 and pump bracket 360 102.

362 910



HOSE CONNECTION KIT

362 910 PM2 pump connection kit

1m x 1/4" air hose 246 010, one 1/2" BSP (M) x 1/4" BSP (F) connection adapter 945 516, 1m 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 1,5m delivery hose with oil gun.

324 000 Without meter.

324 010 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 With meter.



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 Without meter.

325 010 With 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 Without meter.

326 010 With in-line meter at pump outlet.

PETRO Contact Information

AFRICA

South Africa

Factory 14 Bentonite Street
Alrode, Alberton, Johannesburg
South Africa
P: +27 (0)11 864 7758
F: +27 (0) 11 864 1649
E: sales@petroindustrial.co.za

PETRO INDUSTRIAL



petroind.co.za