

R100 1:1 Oil Ratio Pump

R100T pump (drum)

R100S pump (stub)

R100THG pump (complete system)

The R100 is an air powered 1:1 ratio transfer pump that can be supplied as a stub version (R100S) for integration into a system or with suction tube (R100T) for use with 205 litre (55 US gal) drums.

A transfer system, model R100THG, is available which includes a pump, 900mm (3ft) suction tube, 3m (10ft) of reinforced delivery hose and a trigger type delivery nozzle (gun).

FEATURES:

- 1:1 Ratio Pump
- Complete oil transfer system
- Suitable for use with oils to SAE 140, diesel fuel, ethylene glycol (anti-freeze/anti-boil) and kerosene
- Delivers up to 60 litres (16 us gal) per minute
- 3m (10ft) Reinforced delivery hose and trigger action nozzle (R100THG only)
- 900mm suction tube- ideally suited to 205 litre (55 US Gal) drums (R100T only)
- 50mm (2") adjustable bung adaptor
- Air inlet 6mm (1/4") BSP (F)
- Oil inlet (stub pump only) 1" bsp (f)
- For the bare pump versions order R100T (drum) or R100S (stub)
- All models include an airline oil lubricator



TECHNICAL DATA

Wetted components:	Aluminium, nitrile rubber, carbon PTFE, zinc plated carbon steel and brass
Pump ratio:	1:1(oil pressure is the same as air pressure)
Output:	60 L/min (16 US gal per min) of SAE 10 oil at 690 kPa (100 psi) air pressure(free flow)
Suction tube length:	R100S (stub) 220 mm (8 3/4") R100T (drum) 910 mm (36")
Max. air pressure:	1030 kPa/150psi/10.3 bar
Min. air pressure:	400 kPa/60psi/4 bar
Min. air compressor:	0.22 m³/min (8 cfm)
Air inlet:	1/4" BSP or NPT (F)
Pump inlet:	3/4" BSP or NPT (F)
Pump outlet:	3/4" BSP or NPT (F)
Foot valve inlet:	1" BSP or NPT (F) (stub only)



FLOW RATES – R100T (1:1 ratio drum pump)

Material	Output through 1m (3ft) x 25mm (1") hose LITRES (US GAL)	Output through 9m (30ft) x 19mm (3/4") hose & TC-01 gun LITRES (US GAL)	
OIL SAE 10	60 (15.8)	12 (3.1)	ATF
OIL SAE 30	50 (13.3)	9 (2.3)	GTX3
OIL SAE 90	47 (12.4)	4 (1)	SP220 GEAR OIL
OIL SAE 140	39 (10.2)	4 (1)	
DIESEL	60 (15.8)	13 (3.4)	
KEROSENE	59 (15.5)	12 (3.1)	

Note:

1. Flow rates in litres per minute at 700kPa/100 PSI/7 bar and 23°C.
2. Flow rates are a guide only and the actual output may vary from that stated.
3. Variations in flow rate can result from compressor volume, air pressure, hose construction, hose fittings, ambient conditions and system pipe work.

