

oil transfer equipment - air operated

# r-series™ ratio oil pumps

- R100S – stub pump
- R100T – drum pump
- R100THG – complete system

A heavy duty 1:1 ratio pump designed to transfer oils up to 10 metres (33 ft) and can be used with Macnaught's range of oil control guns.

### Features

- fits 60 L (16 US gal) to 205 L (55 US gal) drums
- wall mountable (stub version only)
- air line lubricator
- 2" (M) bung adaptor
- complete system includes 3 m (10 ft) reinforced delivery hose and trigger action dispensing nozzle
- fully serviceable
- 10 year warranty and parts guarantee

### Specifications

- compatible fluids: oils up to SAE 140, automatic transmission fluid, diesel, kerosene, anti-freeze/anti-boil
- 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 (15.8 US gal/min) of SAE 10 oil at 690 kPa (100 psi) air pressure (free flow)
- max. air pressure: 1 030 kPa (150 psi, 10.3 bar)
- min. air pressure: 400 kPa (60 psi, 4 bar)
- min. air compressor: 0.22 m<sup>3</sup>/min (8 cfm)
- air inlet: 1/4" NPT (F)
- pump outlet: 3/4" BSP or NPT (F)
- foot valve inlet: 1" BSP or NPT (F) (stub only)

### Accessories

- TA-7K Filter & Regulator Kit
- TB17S Suction Tube
- TD20 Wall Bracket



R100S



R100T

Fluid	Free flow (per min) at pump outlet		Output (per min) through 3 m (10 ft) x 19 mm (3/4") hose and HG20R oil control gun	
	Litres	US Gal	Litres	US Gal
Oil SAE 10	60	15.8	12	3.1
Oil SAE 30	50	13.3	9	2.3
Oil SAE 90	47	12.4	4	1.1
Oil SAE140	39	10.2	3	0.8
Diesel	58.5	15.5	13	3.4
Kerosene	57	15.1	11.5	3.0

\*flow rates are a guide only and any variations can depend on system setup  
\*flow rates at 690 kPa (100 psi) air pressure

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# r-series™ ratio oil pumps

R300S – stub pump  
R300T – drum pump

A heavy duty 3:1 ratio pump designed to transfer oils up to 30 metres (98 ft) through a single dispensing point or through multiple hose reels and metered gun systems usually found in small to medium sized workshops.

### Features

- fits 60 L (16 US gal) to 205 L (55 US gal) drums
- wall mountable (stub version only)
- air line lubricator
- 2" (M) bung adaptor
- fully serviceable
- 10 year warranty and parts guarantee

### Specifications

- compatible fluids: oils up to SAE 140, automatic transmission fluid, diesel, kerosene, anti-freeze/anti-boil, self collapsing grease (R300T only)
- wetted components: aluminium, nitrile rubber, Carbon PTFE, zinc plated carbon steel and brass
- pump ratio: 3:1 (oil pressure is 3 times air pressure)
- output: 23 L/min (6.1 US gal/min) of SAE 10 oil at 690 kPa (100 psi) air pressure (free flow)
- max. air pressure: 1 030 kPa (150 psi, 10.3 bar)
- min. air pressure: 400 kPa (60 psi, 4 bar)
- min. air compressor: 0.16 m<sup>3</sup>/min (6 cfm)
- air inlet: 1/4" NPT (F)
- pump outlet: 3/4" BSP or NPT (F)
- foot valve inlet: 3/4" BSP or NPT (F) (stub only)

### Accessories

- TD42S Suction Tube
- TD-25K Oil Feeder Hose
- OLP100 Low Pressure Oil Reel
- TD20 Wall Bracket
- MOS1220 Single Pedestal Oil Reel



R300S

R300T

Fluid	Free flow (per min) at pump outlet		Output (per min) through 3 m (10 ft) x 19 mm (3/4") hose, 10 m (33 ft) x 12.5 mm (1/2") reel and HG60 oil control gun	
	Litres	US Gal	Litres	US Gal
Oil SAE 10	23	6.1	15	3.9
Oil SAE 30	20	5.2	9	2.3
Oil SAE 90	17	4.4	6	1.6
Oil SAE140	14	3.7	4	1.1
Diesel	23	6.1	18	4.7
Kerosene	22	5.8	17	4.5

\*flow rates are a guide only and any variations can depend on system setup  
\*flow rates at 690 kPa (100 psi) air pressure



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# r-series™ ratio oil pumps

R500S – stub pump  
R500T – drum pump

A heavy duty 5:1 ratio pump designed to transfer oils up to 50 metres (165 ft) through multiple hose reels and metered gun systems usually found in large workshops utilizing bulk tanks.

### Features

- suitable for 205 L (55 US gal) drums and bulk tanks
- built-in pressure relief valve
- wall mountable (stub version only)
- air line lubricator
- 2" (M) bung adaptor
- fully serviceable
- 10 year warranty and parts guarantee

### Specifications

- compatible fluids: oils up to SAE 140, automatic transmission fluid, diesel, kerosene, anti-freeze/anti-boil, self collapsing grease (R500T only)
- wetted components: aluminium, nitrile rubber, Carbon PTFE, zinc plated carbon steel
- pump ratio: 5:1 (oil pressure is 5 times air pressure)
- output: 28 L/min (7.4 US gal/min) of SAE 10 oil at 690 kPa (100 psi) air pressure (free flow)
- max. air pressure: 1 030 kPa (150 psi, 10.3 bar)
- min. air pressure: 400 kPa (60 psi, 4 bar)
- min. air compressor: 0.28 m<sup>3</sup>/min (10 cfm)
- air inlet: 1/4" NPT (F)
- pump outlet: 3/4" BSP or NPT (F)
- foot valve inlet: 1" BSP or NPT (F) and 1" UNEF (stub version)

### Accessories

- TB25S or TB26S Telescopic Suction Tube
- TA-7K Filter & Regulator Kit
- OMP100 Medium Pressure Oil Reel
- MOTP1220 Twin Pedestal Oil Reel



Fluid	Free flow (per min) at the pump		Output (per min.) through 30 m (98 ft) x 10 mm (3/8") metered oil control gun @ 690 kPa/100 psi (air)		Output (per min.) through 30 m (98 ft) x 12.5 mm (1/2") metered oil control gun @ 690 kPa/100 psi (air)	
	Litres	US Gal	Litres	US Gal	Litres	US Gal
Oil SAE 10	28	7.4	6.2	1.7	8.8	2.4
Oil SAE 30	27	7.2	4.05	1.1	6	1.6
Oil SAE 90	26	6.9	2.3	0.7	3	0.8

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\*flow rates at 690 kPa (100 psi) air pressure



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