PRODUCT CATALOG - MACNAUGHT AMERICAS

GREASE, OIL, FUEL EQUIPMENT & INDUSTRIAL HOSE REELS
Macnaught PTY Ltd is a Sydney based Australian company.

Established in 1948, we have been designing and manufacturing high quality fluid and lubrication equipment for agricultural, industrial, automotive, transport and mining industries across the globe. Our range of grease pumps and guns, oil pumps and guns, fuel pumps, hose reels and flow meters are distributed to more than 70 countries.

Products are field tested in the harshest Australian mining and industrial conditions prior to release and carry an Industry leading 10-year mechanical warranty.

Macnaught USA Inc oversees business activities in the Americas including Canada, United States, Mexico, Central & South America and the Caribbean.

Located in Tampa Florida, customers are supported with industry leading applications expertise, a large stock of inventory and service after the sale.
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MANUAL GREASE GUNS

Flexigun®

A classic Macnaught grease gun, the FLEXIGUN® incorporates a unique variable stroke piston and valve arrangement for true ‘one handed’ operation and can produce increased pressure through short strokes or high volume shot using a full stroke.

Applications:
- Agriculture
- Automotive
- Transport
- Mining
- Industrial
- Trucks and Buses
- Construction

K40-01
- KY SUPERGRIP™ coupler
- Full serviceable

K45-01
- KY SUPERGRIP™ coupler
- Fully serviceable

K45-01-11 (Zinc)
- KY SUPERGRIP™ coupler
- Fully serviceable

Typical output pressure range*
48,300 – 82,750 kPa (7000 – 12000psi)

Output volume per shot
- 1.5g/0.05oz

Cartridge
- 400g/14oz

Max grease type
- NLGI No.2

Warranty¹
- 10 years

Parts guarantee
- 10 years

10 YEARS MACNAUGHT WARRANTY

Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover.

Note² Parts available for 10 years from deletion or upgrade of model.
Leergun™

Designed for high pressure, high volume greasing, this lever action grease gun can easily clear blocked or damaged grease nipples.

- Lock the plunge rod into the follower for easier bleeding
- Stepped barrel for easy grip
- Robust zinc pull handle
- Machined barrel thread makes it easier to screw to the head
- Thick heavy duty barrel

<table>
<thead>
<tr>
<th>KY SUPERGRIP™ coupler</th>
<th>K40-01</th>
<th>K45-01</th>
<th>K45-01-11 (Zinc)</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Fully serviceable</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>✓ Included Extensions</td>
<td>150mm/6&quot; rigid &amp; 300mm/12&quot; flexible</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Typical output pressure range*</td>
<td>48 300 – 82 750 kPa (7000 – 12000psi)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output volume per shot</td>
<td>1.5g/0.05oz</td>
<td>1.5g/0.05oz</td>
<td>1.5g/0.05oz</td>
</tr>
<tr>
<td>Cartridge</td>
<td>400g/14oz</td>
<td>450g/16oz</td>
<td>450g/16oz</td>
</tr>
<tr>
<td>Bulk fillable</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Max grease type</td>
<td>NLGI No.2</td>
<td>NLGI No.2</td>
<td>NLGI No.2</td>
</tr>
<tr>
<td>Warranty¹</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td>Parts guarantee²</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
</tr>
</tbody>
</table>

*Output pressure is a product of input force provided by the operator.
Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover.

J3-01 Grease transfer pump

An economical solution for refilling most standard grease guns from larger bulk pails. The standard J3 fills Macnaught’s range of hand, air powered guns and mini-lube KT5 and KT6 containers.

<table>
<thead>
<tr>
<th>J65 bulk fill nozzle</th>
<th>J3-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Fully serviceable</td>
<td>✓</td>
</tr>
<tr>
<td>Extension</td>
<td>Rigid</td>
</tr>
<tr>
<td>Suits pail size</td>
<td>20kg/44Lb</td>
</tr>
<tr>
<td>Output volume</td>
<td>54g/2oz per stroke</td>
</tr>
<tr>
<td>Max grease type</td>
<td>NLGI No.2</td>
</tr>
<tr>
<td>Warranty¹</td>
<td>10 years</td>
</tr>
</tbody>
</table>

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Note² Parts available for 10 years from deletion or upgrade of model.
K53 POWERPISTOL™ 450g/16oz Air-operated Grease Gun

The K53 POWERPISTOL™ is an air-powered single shot grease gun that combines portability with effortless one-handed operation. Low air consumption makes the K53 POWERPISTOL™ ideal for use with truck and bus brake system air supply. Heavy duty pistol grip construction with comfortable ergonomics to suit 450g/16oz grease cartridges, bulk filling or Macnaught J3 grease transfer pump loading. The K53 POWERPISTOL™ is fully repairable with a strong die cast head and heavy gauge steel barrel for extra long service life.

- **Flexible 300mm (12") extension**
  With KY SUPERGRIP™ coupler for positive connection

- **Fully repairable**
  Provides a much longer service life

- **Low air consumption**
  Use with truck & bus brake system air supply

- **Heavy-duty design and construction**
  Reduces wear

- **Lock the plunge rod into the follower**
  For easier bleeding

**450g/16oz Grease cartridge or bulk fill**
Economical & contamination free greasing from 450g/16oz grease cartridge or bulk fill from J3 grease pump

**400G/14OZ BARREL WITH ADAPTER**
KF300-1K

<table>
<thead>
<tr>
<th></th>
<th>K53-01</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KY SUPERGRIP™ coupler</strong></td>
<td>✓</td>
</tr>
<tr>
<td><strong>Fully serviceable</strong></td>
<td>✓</td>
</tr>
<tr>
<td><strong>Extension</strong></td>
<td>300mm/12&quot; flexible</td>
</tr>
<tr>
<td><strong>Max output pressure</strong></td>
<td>41 400 kPa (6000 psi)</td>
</tr>
<tr>
<td><strong>Output volume per shot</strong></td>
<td>0.7g/0.02oz</td>
</tr>
<tr>
<td><strong>Recommended air pressure</strong></td>
<td>620 kPa (90 psi)</td>
</tr>
<tr>
<td><strong>Max air pressure</strong></td>
<td>830 kPa (120 psi)</td>
</tr>
<tr>
<td><strong>Min compressor size</strong></td>
<td>0.026 M3/MIN (1 cfm)</td>
</tr>
<tr>
<td><strong>Air inlet</strong></td>
<td>1/4&quot; NPT (M)</td>
</tr>
<tr>
<td><strong>Cartridge</strong></td>
<td>450g/16oz</td>
</tr>
<tr>
<td><strong>Bulk fillable</strong></td>
<td>✓</td>
</tr>
<tr>
<td><strong>Max grease type</strong></td>
<td>NLGI No.2</td>
</tr>
<tr>
<td><strong>Warranty¹</strong></td>
<td>10 years</td>
</tr>
<tr>
<td><strong>Parts guarantee²</strong></td>
<td>10 years</td>
</tr>
</tbody>
</table>

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Note² Parts available for 10 years from deletion or upgrade of model.
## K7 MINILUBE® & K4 SUPERLUBE® Portable High Pressure System

Designed to offer powerful and professional greasing with robust portability, both MINILUBE® and SUPERLUBE™ products incorporate a spring loaded priming system to feed the KR PRESSURITE™ grease gun. Both systems are designed for those applications where compressed air is unavailable but bulk grease is preferred.

- **KR Pressureite gun**
  - Choose between high pressure or high volume setting
- **Rubber edged follower plate**
  - Wipes container clean and prevents air pockets and contamination
- **Foot operated pump**
  - Provides 30 shots per prime
- **KY Supergrip™ Coupler**
  - Positive, no leak connection to the grease nipple
- **Fully sealed system**
  - With inbuilt grease strainer - prevents grease contamination
- **Fully repairable**
  - Provides a longer service life
- **1.5m/5'ft delivery hose**
  - Easy to reach difficult applications
- **360° ball swivel**
  - Prevents hose kinking

### KR PRESSURITE™ GUN

**KR**

Suitable for manual greasing equipment, comes standard with the K4 SUPERLUBE and K7 MINILUBE greasing systems

<table>
<thead>
<tr>
<th></th>
<th>K7-01</th>
<th>K7-24</th>
<th>K7-67</th>
<th>K4-01</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KR PRESSURITE dual pressure grease gun</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Fully serviceable</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Pail size</strong></td>
<td>2.5kg/5lb</td>
<td>2.5kg/5lb</td>
<td>5kg/10lb container</td>
<td>20kg/44lb</td>
</tr>
<tr>
<td><strong>Typical output pressure from KR PRESSURITE grease gun</strong></td>
<td>48 300 – 82 750 kPa (7000 – 12000psi) on high pressure setting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Output per shot ‘High Pressure’ setting</strong></td>
<td>0.45g/0.02oz</td>
<td>0.45g/0.02oz</td>
<td>0.45g/0.02oz</td>
<td>0.45g/0.02oz</td>
</tr>
<tr>
<td><strong>Output per shot ‘High Volume’ setting</strong></td>
<td>1.25g/0.05oz</td>
<td>1.25g/0.05oz</td>
<td>1.25g/0.05oz</td>
<td>1.25g/0.05oz</td>
</tr>
<tr>
<td><strong>Output shots per prime</strong></td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>60</td>
</tr>
<tr>
<td><strong>Bulk fillable</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Max grease type</strong></td>
<td>NLGI No.2</td>
<td>NLGI No.2</td>
<td>NLGI No.2</td>
<td>NLGI No.2</td>
</tr>
<tr>
<td><strong>Warranty¹</strong></td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td><strong>Parts guarantee²</strong></td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
</tr>
</tbody>
</table>

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For more information visit macnaughtusa.com
P3 POWERLUBE™ Portable Air-operated 20kg/44Lb Greasing System

The P3 POWERLUBE™ is a premium quality, reliable, 50:1 air-operated greasing system that is excellent for high volume grease users that have many applications and require continuous high pressure greasing. This portable grease dispensing system is suitable for 20kg/44Lb pails and is equipped with a low air consumption motor that doesn’t need to be lubricated due to the use of modern polymer materials. Users will save on power and the oily mist and mess associated with air operated equipment is gone. Suitable for underground coal mine applications.

Features & Benefits
- Zinc components - For underground mining compatibility
- Air-operated system with up to 460g/min (16 oz/min) grease delivery - Fast, efficient greasing.
- Non-corroding air motor design - No airline lubricator required. Easy and low cost to repair.
- Quiet air motor design - Meets all industry noise level standards
- 4m/13’ft high pressure grease hose - Extra hose length for easier access to difficult applications.
- B2 Booster Gun - Boosts greasing pressure up to 10,000 psi when required.
- 360° ZSB Swivel – Improves greasing flexibility and offers easier one handed operation.
- KY Supergrip 3 jaw high pressure coupler - Positive no leak connection.
- Rubber edged follower plate - Prevents air pockets and contamination.

- Fully sealed greasing system with in-built grease strainer - Clean grease delivery every time.
- Fully repairable - Provides a longer service life.

REPAIR KITS
- P3-5K: Pump Seal Kit
- P3-3K: Seal Kit
- P3-1K: Air Motor Seal Kit
- PA30s: Valve Body Complete

Applications:
Automotive, Truck and Buses, Farming Equipment, Textile Machinery, Construction and Earthmoving, Forklifts, Military Equipment (e.g. tanks, armoured vehicles), Mining Machinery, Aircraft, Trains
**POWERLUBE™**

**P3-TR** includes trolley (20kg/44lb)

- **Features & Benefits**
  - Zinc components - For underground mining compatibility
  - Air-operated system with up to 460g/min (16 oz/min) grease delivery - Fast, efficient greasing.
  - Non-corroding air motor design - No airline lubricator required. Easy and low cost to repair.
  - Quiet air motor design - Meets all industry noise level standards
  - 4m/13’ft high pressure grease hose - Extra hose length for easier access to difficult applications.
  - B2 Booster Gun - Boosts greasing pressure up to 10,000psi when required.
  - 360° ZSB Swivel - Improves greasing flexibility and offers easier one-handed operation.
  - KY Supergrip 3 jaw high pressure coupler - Positive no leak connection.
  - Rubber edged follower plate - Prevents air pockets and contamination.

**MAXILUBE™**

**P6-TR** includes trolley (55kg/120lb)

- **Features & Benefits**
  - Fully sealed greasing system with in-built grease strainer - Clean grease delivery every time.
  - Fully repairable - Provides a longer service life.

**Applications:**
- Automotive, Truck and Buses
- Farming Equipment
- Textile Machinery
- Construction and Earthmoving
- Forklifts
- Military Equipment (e.g. tanks, armoured vehicles)
- Mining Machinery
- Aircraft
- Trains

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**Powerlube®** Portable Air-operated 20kg/44Lb Greasing System

- **P3-TR** includes trolley (20kg/44lb)
- **P6-TR** includes trolley (55kg/120lb)
- **P8-11** includes trolley (180kg/400L)

**Powerlube® Maxilube®**

**P8-11** (180kg/400L) Trolley Optional

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<table>
<thead>
<tr>
<th></th>
<th>P3-TR - powerlube®</th>
<th>P6-TR - maxilube®</th>
<th>P8-11 - maxilube®</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pump ratio</strong></td>
<td>50:1 Ratio</td>
<td>50:1 Ratio</td>
<td>50:1 Ratio</td>
</tr>
<tr>
<td><strong>Max pump output pressure</strong></td>
<td>51 700kPa (7500psi)</td>
<td>51 700kPa (7500psi)</td>
<td>51 700kPa (7500psi)</td>
</tr>
<tr>
<td><strong>Max gun output pressure</strong></td>
<td>68 900 kPa (10 000psi)</td>
<td>68 900 kPa (10 000psi)</td>
<td>68 900 kPa (10 000psi)</td>
</tr>
<tr>
<td><strong>Bare pump</strong></td>
<td>P3001</td>
<td>P6001</td>
<td>P8001</td>
</tr>
<tr>
<td><strong>Suit to pails</strong></td>
<td>20kg/44lb</td>
<td>55kg/120lb</td>
<td>180kg/400lb</td>
</tr>
<tr>
<td><strong>Hose</strong></td>
<td>4m x 6mm (13’ft x 1/4”) ID delivery hose</td>
<td>4m x 6mm (13’ft x 1/4”) ID delivery hose</td>
<td>2.5m x 6mm (8’ft x 1/4”) ID delivery hose</td>
</tr>
<tr>
<td><strong>Control gun</strong></td>
<td>B2 Booster Gun c/w ZSB swivel</td>
<td>B2 Booster Gun c/w ZSB swivel</td>
<td>B2 Booster Gun c/w ZSB swivel</td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>460g/min (16oz/min)</td>
<td>460g/min (16oz/min)</td>
<td>460g/min (16oz/min)</td>
</tr>
<tr>
<td><strong>Airline lubricator</strong></td>
<td>not required</td>
<td>not required</td>
<td>not required</td>
</tr>
<tr>
<td><strong>Fully serviceable</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Warranty¹</strong></td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td><strong>Parts guarantee²</strong></td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td><strong>Grease viscosity</strong></td>
<td>up to NLGI No.2</td>
<td>up to NLGI No.2</td>
<td>up to NLGI No.2</td>
</tr>
<tr>
<td><strong>Wetted components</strong></td>
<td>Zinc, Hard Chrome-Plated Carbon Steel, Brass, Nitrile and Polyurethane rubber</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Max air pressure</strong></td>
<td>150psi</td>
<td>150psi</td>
<td>150psi</td>
</tr>
<tr>
<td><strong>Min air pressure</strong></td>
<td>60psi</td>
<td>60psi</td>
<td>60psi</td>
</tr>
<tr>
<td><strong>Air inlet</strong></td>
<td>1/4” NPT (F)</td>
<td>1/4” NPT (F)</td>
<td>1/4” NPT (F)</td>
</tr>
<tr>
<td><strong>Pump outlet</strong></td>
<td>1/4” NPT (F)</td>
<td>1/4” NPT (F)</td>
<td>1/4” NPT (F)</td>
</tr>
<tr>
<td><strong>Min compressor size</strong></td>
<td>0.08m³/min (3 cfm)</td>
<td>0.08m³/min (3 cfm)</td>
<td>0.08m³/min (3 cfm)</td>
</tr>
</tbody>
</table>

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For more information visit macnaughtusa.com
KY+ LOAD & LUBE SAFETY GREASE COUPLER

Macnaught’s patent pending release mechanism delivers enhanced safety and is both easier and faster to use. The KY+ retains the benefit of the original floating jaw design, providing a strong, leak-free connection while improving safety and usability through:

- Internal pressure relief that reduces the risk of high pressure grease release.
- Snap on-and-off connection reduces hydraulic bind and high pressure! - LOAD & LUBE!

FEATURES & BENEFITS

- Superior safety from internal pressure relief
- Compact design for greater accessibility
- Patent pending* release mechanism for easy disconnect under pressure
- Original floating jaw design for leak free grip

TECHNICAL SPECIFICATIONS

- Built-in hydraulic pressure relief
- 1/8" NPT(F) inlet
- 10,000psi (68,900kPa) max pressure

NEW PATENT PENDING

Superior safety
Smart release mechanism features an internal bleeding system for soft pressure relief and safe disconnect of the coupler up to 10,000psi (68,900kPa).

Quick & easy release mechanism
Patent pending* smart release mechanism enables effortless one handed twist and pull release up to 10,000psi (68,900kPa).

Compact design
The compact body of the KY+ makes it easier to get into tight spaces.

Original KY floating jaw
Unique floating jaw operation creates a powerful grip as pressure builds to enhance performance.
**BOOSTER GUN**

**B2-01**
- Delivery pressure up to 689 bar/68,950 Pa (10,000 psi)
- Used for high pressure delivery with any air-powered grease pump
- Increases the inlet grease pressure to overcome line resistance or nipple blockages
- 1/4” NPT(F) inlet

**BOOSTER GUN WITH SAFETY GUARD**

**B2-SG**
Booster gun with guard. Fitted with trigger hand guard to protect the operator

**REPAIR KITS**
- **KY3S**: Pack of 8 SUPERGRIP™ Grease Coupler Seals

**GREASE FITTING UNBLOCKER**

**GFU**
Opens clogged grease fittings and loosens hardened grease joints. Excellent for maintaining and protecting bearings, control arms, joints, king pins, etc. Comes complete with grease coupler for connection onto the grease fitting and 2 spare seals for replacing the piston seals as they wear

**BULK FILL ADAPTOR ASSEMBLY**

**J65**
Filler adapter assembly for the J3 grease transfer pump. Allows connection to the filler/bleeder valve to refill cartridge guns from bulk grease pails

For more information visit macnaughtusa.com
Aviation Kit

The ACK2 grease kit is a comprehensive range of greasing couplers required for the maintenance of aircraft and associated equipment. This kit has been developed in consultation with the aviation industry to fill their specific requirements. The ACK2 greasing kit would also suit any industry that has varied greasing applications requirements, specifically for hard to reach and access grease nipples.

**Features & Benefits**

ACK2 is the complete coupler kit. Includes a blow moulded carry case.

- KDN Right angle needlepoint
- KDS Right angle standard coupler
- KDE8 Quick connect 8” steel extension with coupler
- KDF21 Quick connect 21” flexible extension with coupler
- KY Standard coupler
- KZDXL 120mm (4 3/4”) long needlepoint coupler
- KZHY 130mm (5 1/8”) hypodermic needle coupler
- KLNJ 300mm (12”) long needlepoint coupler with J bend
- KZLNS 300mm (12”) straight needlepoint coupler
- KZLN45 300mm (12”) long needlepoint coupler with 45° angle
- KZSNR 110mm (4 1/4”) needlepoint coupler with 90° angle
- KZLNR 300mm (12”) needlepoint coupler with 90° angle
- J65 Bulk fill nozzle

**Blow moulded plastic case**

**Long clip on 21” (530mm) flexible extension**

**Various length & angle needle point couplers**

**2 x short 90° couplers (needle point & standard)**

**Long Hypodermic needle**
Long Hypodermic ACK2 greasing kit would also suit any industry that has varied greasing applications requirements, specifically for hard to equipment. This kit has been developed in consultation with the aviation industry to fill their specific requirements. The ACK2 grease kit is a comprehensive range of greasing couplers required for the maintenance of aircraft and associated Aviation Kit (needle point & standard)

2 x short 90° couplers

flexible extension

Long clip on Blow moulded

flexible extension

Grease delivery hose. 1/4” NPT 4.0m x 6mm i.d. high pressure equipment; 1/8” NPT (M) fittings hand or powered greasing

FLEXIBLE EXTENSION – 17” Suitable for powered greasing 430mm (17”) flexible extension.

PF17

FLEXIBLE EXTENSION – 21” – 330mm (13”). Useful tool to flexible extensions – 530mm (21”). Can be used to flexible extensions

PF8 – 2.5m x 6mm

PF9 – 2.5m x 6mm

PF30 – 760mm (30”) high pressure

KDE8 Quick connect 8” steel extension with coupler

KDN Right angle needlepoint (M) on both ends

2.5kg/5Lb Reusable grease container to suit K7-01

GREASE CONTAINER – 2.5KG/5Lb KTS

2.5kg/5Lb Reusable grease container to suit K7-01

GREASE CONTAINER – 5KG/10Lb KT6

5kg/10Lb Reusable grease container to suit K7-67

STRAIGHT NEEDLEPOINT COUPLER KZDXL

Ideal for greasing the bearings on four wheel drive vehicles. Length 120 mm (4 3/4”).

STANDARD BUTTONHEAD COUPLER KSR

Push-on standard button head grease coupler – 5/8”. Easy connect/disconnect coupler to allow greasing of the smaller buttonhead type fittings

GIANT BUTTONHEAD COUPLER KGR

Push-on giant button head grease coupler – 7/8”. Easy connect/disconnect coupler to allow greasing of the larger buttonhead type fittings

360º SWIVEL ZSB

“Z” Type high pressure grease swivel. Used to overcome difficulty by operator to grease hard to reach lube points 1/8” NPT (M) x 1/4” NPT (F)

COUPLER KY

Standard Supergrip™ coupler supplied with all Macnaught grease guns. Designed to fit most grease nipples and grease guns. Threads 1/8” NPT KY-10 pack of 10 KY-50 pack of 50

NEEDLENOSE COUPLER KZD

Used when nipples are recessed and standard couplers would meet with interference from surrounding components (universal joints, etc). Length 93 mm (3 3/4”)

NEEDLEPOINT COUPLER – 45º KZLN45

Push-on needlepoint grease extension – 300mm (12") with 45º angle at end

NEEDLEPOINT COUPLER – 12” KZLNS

Push-on needlepoint grease extension – 300mm (12”)

NEEDLEPOINT COUPLER – 90º KZSNR

Push-on needlepoint grease extension – 110mm (4.25”) with 90º angle at end to access different grease points

NEEDLEPOINT COUPLER 90º (12”) KZLNR

Push-on needlepoint grease extension – 300mm (12”) with 90º angle at end

NEEDLEPOINT COUPLER J BEND KZLNJ

Push-on needlepoint grease extension – 300mm (12") with J bend at end

CONCAVE NIPPLE COUPLER KZE

Push-on concave grease coupler – 60mm (2.25”). Temporary connector where special or damaged type nipples are encountered

For more information visit macnaughtusa.com
MANUAL OIL PUMPS

Hand operated oil pumps

The C7 is truly a multi-purpose gear oil pump with having a sliding bung adaptor fitted to allow multiple drum heights across the 15 to 25 litre (5-6 gal) containers. Delivers on the down-stroke (includes 3 different drum adapters).

All purpose oil transfer pump

The MAOP20 All-Purpose 20L (5 gal) Oil Transfer Pump is designed for dispensing most service fluids including engine, gear, transmission, hydraulic and some engine coolants from 20L - 25L (5-6 gal) drums. An extendable suction tube and two additional bung adaptors ensure that the expanding range of different size and types of drums are easily catered for.

<table>
<thead>
<tr>
<th>Features</th>
<th>C7N-01 Oil pump</th>
<th>C7-01 Oil pump</th>
<th>C7Z-01 (Zinc) Oil pump</th>
<th>C7-51 Oil pump</th>
<th>MAOP20 Oil pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gear oil pump</td>
<td>Gear oil pump</td>
<td>UG Coal compatible gear oil pump</td>
<td>Gear oil pump with ATF strainer and hose</td>
<td>Gear oil pump with pump extender</td>
<td></td>
</tr>
<tr>
<td>Pump output</td>
<td>100ml (0.2pt)/stroke</td>
<td>100mL (0.2pt)/stroke</td>
<td>100mL (0.2pt)/stroke</td>
<td>100mL (0.2pt)/stroke</td>
<td>100mL (0.2pt)/stroke</td>
</tr>
<tr>
<td>Hose</td>
<td>×</td>
<td>1.8m/6'ft rubber hose &amp; non drip nozzle</td>
<td>1.8m/6'ft rubber hose &amp; non drip nozzle</td>
<td>1.8m/6'ft rubber non drip nozzle</td>
<td>1.8 m/6'ft oil resistant hose with non drip nozzle</td>
</tr>
<tr>
<td>Non drip nozzle</td>
<td>×</td>
<td>manual</td>
<td>manual</td>
<td>manual</td>
<td>automatic</td>
</tr>
<tr>
<td>Drum size</td>
<td>15L - 25L (5-6gal)</td>
<td>15L - 25L (5-6gal)</td>
<td>15L - 25L (5-6gal)</td>
<td>15L - 25L (5-6gal)</td>
<td>15L - 25L (5-6gal)</td>
</tr>
<tr>
<td>Drum adapter</td>
<td>multiple sliding bung adapters</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fully serviceable</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>×</td>
</tr>
<tr>
<td>Warranty¹</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
<td>2 Years</td>
</tr>
<tr>
<td>Parts guarantee²</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
<td>2 Years</td>
</tr>
<tr>
<td>Compatible fluids</td>
<td>kerosene, two stroke mix, lubricating oils to SAE140</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note¹  Subject to Macnaught warranty terms and conditions, see inside back cover.

Note²  Parts available for 10 years from deletion or upgrade of model.
Hand operated oil pumps

**A2H MULTI-PURPOSE**
A classic Macnaught hand pump, the A2H MULTI-PURPOSE Drum Pump is the ideal pump for transferring a wide variety of fluids such as diesel fuel, lubricating oils and an extensive range of non-corrosive fluids and chemicals.

**C11 OIL PUMP**
This pump is supplied complete with a 1.8m/6’ft delivery hose, suitable for 60 – 205L(26-54 gal) drums. This equipment is fully repairable to provide a much longer service life.

**C16 SUCTION GUN**
The C16 is designed to transfer mineral oils in and out of gearboxes, transfer cases and differentials as well as evacuating sump oil out of an inboard marine engine.

<table>
<thead>
<tr>
<th></th>
<th><strong>A2H Multi-Purpose Lever Pump</strong></th>
<th><strong>C11-01 Lever Action Gear Oil Pump</strong></th>
<th><strong>C16-01 Suction Gun – 500ml</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pump output</strong></td>
<td>250mL/0.5pt stroke</td>
<td>75mL/stroke</td>
<td>500mL/1pt</td>
</tr>
<tr>
<td><strong>Hose length</strong></td>
<td>1.8m/6’ft nozzle</td>
<td>1.8m/6’ft</td>
<td>manual</td>
</tr>
<tr>
<td><strong>Non drip nozzle</strong></td>
<td></td>
<td></td>
<td>1.8m/6’ft</td>
</tr>
<tr>
<td><strong>Drum size</strong></td>
<td>60L - 205L (26-54gal)</td>
<td>60L - 205L (26-54gal)</td>
<td></td>
</tr>
<tr>
<td><strong>Drum adapter</strong></td>
<td>2” built in</td>
<td>2” sliding</td>
<td></td>
</tr>
<tr>
<td><strong>Fully serviceable</strong></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Compatible fluids</strong></td>
<td>diesel, lubricating oils to SAE90 and other non-corrosive solvents. To determine liquid compatibility consult refer to compatibility chart <a href="http://www.macnaught.com">www.macnaught.com</a></td>
<td>engine oil, gear oils to SAE140, auto trans and hydraulic fluid</td>
<td>mineral oils to SAE140</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>10 years</td>
<td>10 years</td>
<td></td>
</tr>
<tr>
<td><strong>Parts guarantee</strong></td>
<td>10 years</td>
<td>10 years</td>
<td></td>
</tr>
</tbody>
</table>

Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover. Note² Parts available for 10 years from deletion or upgrade of model.

Spring loaded pumps

These spring loaded oil pumps provide the means to automatically dispense engine and gear oils by simply pressing the oil gun trigger.

<table>
<thead>
<tr>
<th></th>
<th><strong>S20H-01 Spring-Loaded Gear Oil Pump – 20L/5 gal</strong></th>
<th><strong>S60H-01 Spring-Loaded Gear Oil Pump – 60L/16 gal</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pump output</strong></td>
<td>340mL (0.7pt)/prime</td>
<td>500ml (1pt)/prime</td>
</tr>
<tr>
<td><strong>Hose</strong></td>
<td>1.5m/5’ft kink resistant hose</td>
<td>1.5m/5’ft kink resistant hose</td>
</tr>
<tr>
<td><strong>Dispense gun</strong></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Drum size</strong></td>
<td>20L/5 gal</td>
<td>60L/16gal</td>
</tr>
<tr>
<td><strong>Drum bung</strong></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>ATF filter</strong></td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td><strong>Fully serviceable</strong></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Compatible fluids</strong></td>
<td>Engine oil, gear oils to SAE140, auto trans and hydraulic fluid</td>
<td>engine oil, gear oils to SAE140, auto trans and hydraulic fluid</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td><strong>Parts guarantee</strong></td>
<td>10 years</td>
<td>10 years</td>
</tr>
</tbody>
</table>

Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover. Note² Parts available for 10 years from deletion or upgrade of model.
OILMASTER® T series ratio air operated oil stub pump

The OILMASTER range of ratio stub pumps are high quality, economically priced oil pumps. The ideal choice for small workshop or service truck applications. The ‘T’ Series range of pumps have been designed with a non-corrosive air motor requires that does not require any oil lubrication, the pumps have a very low air consumption and the noise levels during operation are very low. The ‘T’ series design includes a built in pressure relief valve to protect against pressure build up caused by thermal expansion suitable for oils and premix coolants up to SAE140 viscosity.

Value Proposition
The ‘T’ series air operated stub pumps are premium quality, reliable, economically priced oil pump. With the combination of low air consumption, quiet air motor operation.

Recommended Additional Offerings:
• Wall Bracket (TD20-Black)
• Feeder hose set - connect the pump to delivery nozzle or reel (TD-25K)
• 1/2” Retractable oil reel (OMP415B)
• Any of the HG series oil control guns can be used

Applications:
Automotive, Truck and Buses, Farming, Construction and Earthmoving, Military, Mining, Aircraft, Trains
OILMASTER® T-series air operated oil pumps

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**Recommended Additional Offerings:**
- Wall Bracket (TD20-Black)
- Feeder hose set - connect the pump to delivery nozzle or reel (TD-25K)
- 1/2" Retractable oil reel (OMP415B)
- Any of the HG series oil control guns can be used

**Applications:**
- Automotive, Truck and Buses, Farming, Construction and Earthmoving, Military, Mining, Aircraft, Trains

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**OILMASTER® T-series air operated oil stub pump**

**Air inlet** (1/4"NPT)

**Non-corroding air motor** (No oil lubricator required)

**Oil outlet** (1/2" BSP/NPT) T512

**Oil inlet** (1" BSP/NPT)

**Built in pressure relief valve**

**2” Sliding bung adapter**

**Value Proposition**

The 'T' series air operated stub pumps are premium quality, reliable, economically priced oil pumps. With the combination of low air consumption, quiet air motor operation.

The OILMASTER range of ratio stub pumps are high quality, economically priced oil pumps. The ideal choice for small workshop or service truck applications.

The 'T' Series range of pumps have been designed with a non-corrosive air motor requires that does not require any oil lubrication, the pumps have a very low air consumption and the noise levels during operation are very low. The 'T' series design includes a built in pressure relief valve to protect against pressure build up caused by thermal expansion suitable for oils and premix coolants up to SAE140 viscosity.

---

**Note**

* Pump tested at 100psi c/w 1” PD meter.  
* Subject to Macnaught warranty terms and conditions, see inside back cover.  
* Parts available for 10 years from deletion or upgrade of model.

---

<table>
<thead>
<tr>
<th></th>
<th>T112-02</th>
<th>T312-02</th>
<th>T512-02</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pump ratio</strong></td>
<td>1:1 ratio</td>
<td>3:1 ratio</td>
<td>5:1 ratio</td>
</tr>
<tr>
<td><strong>Output SAE 10</strong></td>
<td>23L (6gal)/min</td>
<td>13L (3.5gal)/min</td>
<td>11L (2.9gal)/min</td>
</tr>
<tr>
<td><strong>Output SAE 15W-40</strong></td>
<td>22L (5.8gal)/min</td>
<td>12L (3.1gal)/min</td>
<td>10L (2.6gal)/min</td>
</tr>
<tr>
<td><strong>Output SAE 90</strong></td>
<td>21L (5.5gal)/min</td>
<td>11L (2.9gal)/min</td>
<td>9L (2.3 gal)/min</td>
</tr>
<tr>
<td><strong>Pressure relief valve</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>2” bung adapter</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Fully serviceable</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Warranty¹</strong></td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
</tr>
<tr>
<td><strong>Parts guarantee²</strong></td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
</tr>
<tr>
<td><strong>Compatible fluids</strong></td>
<td>Engine and gear oils up to SAE90, auto trans, hydraulic fluid and anti-freeze / anti-boil</td>
<td>Engine and gear oils up to SAE140, auto trans, hydraulic fluid and anti-freeze / anti-boil</td>
<td></td>
</tr>
<tr>
<td><strong>Min-Max air pressure</strong></td>
<td>400-1030kPa (60/150psi)</td>
<td>400-1030kPa (60/150psi)</td>
<td>400-1030kPa (60/150psi)</td>
</tr>
<tr>
<td><strong>Min air compressor</strong></td>
<td>0.3m³/min (10cfm)</td>
<td>0.15m³/min (5cfm)</td>
<td>0.15m³/min (5cfm)</td>
</tr>
<tr>
<td><strong>Air inlet</strong></td>
<td>1/4&quot; NPT(F)</td>
<td>1/4&quot; NPT(F)</td>
<td>1/4&quot; NPT(F)</td>
</tr>
<tr>
<td><strong>Pump outlet</strong></td>
<td>3/4” NPT(F)</td>
<td>3/4” NPT(F)</td>
<td>1/2” NPT(F)</td>
</tr>
<tr>
<td><strong>Pump inlet</strong></td>
<td>1”BSP(F)/1”NPT(F)</td>
<td>1”BSP(F)/1”NPT(F)</td>
<td>1”BSP(F)/1”NPT(F)</td>
</tr>
</tbody>
</table>

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For more information visit macnaughtusa.com
OILMASTER® 3:1 Oil Dispensing Kit

The T312THGE-02 pump kit includes a premium quality T312T-02 (3:1) ratio air-operated oil drum pump c/w 3m (10ft) x 1/2” (12.5mm) oil hose, HG20R-012E-02 electronic metered oil control gun with rigid extension and non-drip nozzle. The kit has an approximate flow rate 8L/min (2.1 US gal/min) with SAE10 oil and is suitable for oils up to SAE 140, pre-mix coolants.

Value Proposition
The T312THGE-02 pump kit includes a premium quality T312T-02 (3:1) ratio air-operated oil drum pump which has been designed with a non-corrosive air motor requires that does not require any oil lubrication. The premium quality oil control gun with electronic meter and 3m (10ft) long oil hose completes the kit which will give long reliable service and peace of mind. The kit will deliver flowrates up to 8 ltr/min (2.1 US gal/min).

Package Includes:
- T312T-02 (3:1) ratio oil pump (205ltr)
- HG20R-012E-02 Oil control gun with electronic meter and automatic non-drip nozzle
- TD-25K 1/2”x 10ft oil hose with fittings
- Instruction manual

Applications:
Automotive, Truck & Buses, Farming, Construction & Earthmoving, Military, Mining, Aircraft, Trains, Manufacturing, Mining, Aircraft, Trains, Manufacturing
Drum based oil dispensing systems

**T112THG-02**
- T112T-02 (3:1) ratio oil pump (205ltr)
- HG20R-02 Oil control gun with electronic meter and automatic non-drip nozzle
- TD-25K 1/2" x 10 ft oil hose with fittings
- Instruction manual

**T112THGE-02**
- T112T-02 (3:1) ratio oil pump (205ltr)
- HG20R-012E-02 Oil control gun with electronic meter and automatic non-drip nozzle
- TD-25K 1/2" x 10 ft oil hose with fittings
- Instruction manual

**T312THG-02**
- T312T-02 (3:1) ratio oil pump (205ltr)
- HG20R-02 Oil control gun with electronic meter and automatic non-drip nozzle
- TD-25K 1/2" x 10 ft oil hose with fittings
- Instruction manual

**T312THGE-02**
- T312T-02 (3:1) ratio oil pump (205ltr)
- HG20R-012E-02 Oil control gun with electronic meter and automatic non-drip nozzle
- TD-25K 1/2" x 10 ft oil hose with fittings
- Instruction manual

**Value Proposition**
The T312THGE-02 pump kit includes a premium quality T312T-02 (3:1) ratio air-operated oil drum pump which has been designed with a non-corrosive air motor requires that does not require any oil lubrication. The premium quality oil control gun with electronic meter and 3m (10ft) long oil hose completes the kit which will give long reliable service and peace of mind. The kit will deliver flowrates up to 8 ltr/min (2.1 US gal/min).

**Package Includes:**
- T312T-02 (3:1) ratio oil pump
- HG20R-012E-02 Oil control gun
- TD-25K 1/2" x 10 ft oil hose
- Instruction manual

---

**Drum based oil dispensing systems**

<table>
<thead>
<tr>
<th>Pump ratio</th>
<th>T112THG-02</th>
<th>T112THGE-02</th>
<th>T312THG-02</th>
<th>T312THGE-02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump</td>
<td>T112T-02</td>
<td>T112T-02</td>
<td>T312T-02</td>
<td>T312T-02</td>
</tr>
<tr>
<td>Outlet hose length</td>
<td>3m(10ft) x 3/4&quot;</td>
<td>3m(10ft) x 3/4&quot;</td>
<td>3m(10ft) x 1/2&quot;</td>
<td>3m(10ft) x 1/2&quot;</td>
</tr>
<tr>
<td>Oil control gun</td>
<td>HG20R-02</td>
<td>HG20R-012E-02</td>
<td>HG20R-02</td>
<td>HG20R-012E-02</td>
</tr>
<tr>
<td>Output SAE10*</td>
<td>8 L(2.1gal)/min</td>
<td>8 L(2.1gal)/min</td>
<td>8 L(2.1gal)/min</td>
<td>8 L(2.1gal)/min</td>
</tr>
<tr>
<td>Output SAE15W-40*</td>
<td>7 L(1.8gal)/min</td>
<td>7 L(1.8gal)/min</td>
<td>7 L(1.8gal)/min</td>
<td>7 L(1.8gal)/min</td>
</tr>
<tr>
<td>Output SAE140*</td>
<td>6 L(1.6gal)/min</td>
<td>6 L(1.6gal)/min</td>
<td>6 L(1.6gal)/min</td>
<td>6 L(1.6gal)/min</td>
</tr>
<tr>
<td>Container</td>
<td>205L/54gal drum</td>
<td>205L/54gal drum</td>
<td>205L/54gal drum</td>
<td>205L/54gal drum</td>
</tr>
<tr>
<td>Airline lubricator</td>
<td>not required</td>
<td>not required</td>
<td>not required</td>
<td>not required</td>
</tr>
<tr>
<td>Pressure relief valve</td>
<td>✗</td>
<td>✗</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>2&quot; bung adapter</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Fully serviceable</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Warranty¹</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td>Parts guarantee²</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td>Compatible fluids</td>
<td>Engine and gear oils up to SAE90, auto trans, hydraulic fluid and anti-freeze / anti-boil</td>
<td>Engine and gear oils up to SAE140, auto trans, hydraulic fluid and anti-freeze / anti-boil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max air pressure</td>
<td>1030kPa (150psi)</td>
<td>1030kPa (150psi)</td>
<td>1030kPa (150psi)</td>
<td>1030kPa (150psi)</td>
</tr>
<tr>
<td>Min air pressure</td>
<td>400kPa (60psi)</td>
<td>400kPa (60psi)</td>
<td>400kPa (60psi)</td>
<td>400kPa (60psi)</td>
</tr>
<tr>
<td>Min air compressor</td>
<td>0.3m³/min (10cfm)</td>
<td>0.3m³/min (10cfm)</td>
<td>0.15m³/min (5cfm)</td>
<td>0.15m³/min (5cfm)</td>
</tr>
<tr>
<td>Air inlet</td>
<td>1/4&quot; NPT (F)</td>
<td>1/4&quot; NPT (F)</td>
<td>1/4&quot; NPT (F)</td>
<td>1/4&quot; NPT (F)</td>
</tr>
</tbody>
</table>

*Note¹ Pump tested at 100psi c/w HG55 oil control gun. Note² Subject to Macnaught warranty terms and conditions, see inside back cover. Note³ Parts available for 10 years from deletion or upgrade of model. Please Note: future models may utilise alternative suction tube than that shown.

For more information visit macnaughtusa.com
‘R’ series air operated ratio oil pump

The ‘R’ Series range of pumps have been designed and manufactured using a strong metal construction, providing maximum performance and long service life. All the ‘R’ Series pumps are supplied complete with an inline air lubricator to help prevent premature wear. Suitable for oils up to SAE140 viscosity and premix coolants. The ideal choice for remote mount or integration into lubrication systems.

Value Proposition
The R series pumps are high quality, heavy duty, reliable oil pumps. The ideal choice for remote mount or integration into oil systems. The strong metal construction, provides maximum performance and long service life.

Applications:
Automotive, Truck and Buses, Farming, Construction and Earthmoving, Military, Mining, Aircraft, Trains
**Drum based oil dispensing systems**

<table>
<thead>
<tr>
<th>Pump ratio</th>
<th>R100T-02</th>
<th>R300S-02</th>
<th>R300T-02</th>
<th>R500S-02</th>
<th>R500T-02</th>
<th>R1000S-02</th>
<th>R1000T-02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output SAE 10*</td>
<td>60L(16gal)/min</td>
<td>23L(6gal)/min</td>
<td>23L(6gal)/min</td>
<td>32L(8.4gal)/min</td>
<td>32L(8.4gal)/min</td>
<td>18L(4.7gal)/min</td>
<td>18L(4.7gal)/min</td>
</tr>
<tr>
<td>Output SAE 15W-40*</td>
<td>45L(12gal)/min</td>
<td>19L(5gal)/min</td>
<td>19L(5gal)/min</td>
<td>30L(8gal)/min</td>
<td>30L(8gal)/min</td>
<td>17L(4.5gal)/min</td>
<td>17L(4.5gal)/min</td>
</tr>
<tr>
<td>Output SAE 90*</td>
<td>43L(11.3gal)/min</td>
<td>18L(4.7gal)/min</td>
<td>18L(4.7gal)/min</td>
<td>28L(7.3gal)/min</td>
<td>28L(7.3gal)/min</td>
<td>15L(4gal)/min</td>
<td>15L(4gal)/min</td>
</tr>
<tr>
<td>Airline lubricator</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Pressure relief valve</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
<td>✗</td>
</tr>
<tr>
<td>2&quot; bung adapter</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Fully serviceable</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Warranty¹</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
</tr>
<tr>
<td>Parts guarantee²</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
<td>10 Years</td>
</tr>
<tr>
<td>Compatible fluids</td>
<td>Engine and gear oils up to SAE140, auto trans and hydraulic fluid, diesel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min-Max air pressure</td>
<td>400-1030kPa (60/150psi)</td>
<td>400-1030kPa (60/150psi)</td>
<td>400-1030kPa (60/150psi)</td>
<td>400-1030kPa (60/150psi)</td>
<td>400-1030kPa (60/150psi)</td>
<td>400-1030kPa (60/150psi)</td>
<td>400-1030kPa (60/150psi)</td>
</tr>
<tr>
<td>Air inlet</td>
<td>1/4” NPT(F)</td>
<td>1/4” NPT(F)</td>
<td>1/4” NPT(F)</td>
<td>1/4” NPT(F)</td>
<td>1/4” NPT(F)</td>
<td>1/4” NPT(F)</td>
<td>1/4” NPT(F)</td>
</tr>
<tr>
<td>Pump outlet</td>
<td>3/4” NPT(F)</td>
<td>3/4” NPT(F)</td>
<td>3/4” NPT(F)</td>
<td>3/4” NPT(F)</td>
<td>3/4” NPT(F)</td>
<td>3/4” NPT(F)</td>
<td>3/4” NPT(F)</td>
</tr>
<tr>
<td>Pump inlet</td>
<td>Suction Tube</td>
<td>Suction Tube</td>
<td>Suction Tube</td>
<td>Suction Tube</td>
<td>Suction Tube</td>
<td>Suction Tube</td>
<td>Suction Tube</td>
</tr>
<tr>
<td>Min air compressor</td>
<td>0.22m³/min (8cfm)</td>
<td>0.16m³/min (6cfm)</td>
<td>0.16m³/min (6cfm)</td>
<td>0.3m³/min (10cfm)</td>
<td>0.3m³/min (10cfm)</td>
<td>0.5m³/min (18cfm)</td>
<td>0.5m³/min (18cfm)</td>
</tr>
</tbody>
</table>

Note: Pump tested at 100psi c/w 1” PD meter. Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover. Note² Parts available for 10 years from deletion or upgrade of model.
‘R’ series 3:1 ratio oil dispensing kit (with electronic metered oil gun)

The R300THGE-02 pump kit includes a premium quality R300T-02 (3:1) air-operated oil drum pump, c/w 3m (10ft) x 1/2" (12.5mm) oil hose, HG20R-012E-02 electronic metered oil control gun, rigid extension and non-drip nozzle. The kit has an approximate flow rate 12L/min (3 US gal/min) with SAE10 oil and is suitable for oils up to SAE 140, pre-mix coolants.

Package Includes:
- R300T-02 (3:1) ratio oil pump (205L/54gal)
- HG20R-012E-02 Oil control gun with electronic meter, rigid extension and auto non-drip nozzle
- TD-25K 1/2" x 3m oil hose with fittings
- 2" Sliding bung adapter
- Instruction manual

Recommended Additional Offerings:
- MOS1220-01 1/2" x 20m (65ft) oil reel
- R300-2K Major Service kit
- R300-3K Seal kit

Applications:
Automotive, Truck and Buses, Farming, Construction and Earthmoving, Military, Mining, Aircraft, Trains
Drum based oil dispensing systems

R100THG-02

R100THGE-02

R300THG-02

R300THGE-02

<table>
<thead>
<tr>
<th>Package Contents</th>
<th>R100THG-02</th>
<th>R100THGE-02</th>
<th>R300THG-02</th>
<th>R300THGE-02</th>
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</thead>
<tbody>
<tr>
<td>R300T-02 (3:1) ratio oil pump</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>HG20R-02 Oil control gun with electronic meter</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>TD-25K 1/2”x 3m (10’ft) oil hose with fittings</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>2” Bung adapter</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Instruction manual</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

Recommended Additional Offerings:

- MOS1220-01 1/2”x 20m (65’ft) oil reel
- R300-2K Major Service kit
- R300-3K Seal kit

Pump Information:

<table>
<thead>
<tr>
<th>Pump Type</th>
<th>R100T-02</th>
<th>R100T-02</th>
<th>R300T-02</th>
<th>R300T-02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump ratio</td>
<td>1:1 ratio</td>
<td>1:1 ratio</td>
<td>3:1 ratio</td>
<td>3:1 ratio</td>
</tr>
<tr>
<td>Outlet hose length</td>
<td>3m (10’ft) x 3/4”</td>
<td>3m (10’ft) x 3/4”</td>
<td>3m (10’ft) x 1/2”</td>
<td>3m (10’ft) x 1/2”</td>
</tr>
<tr>
<td>Oil control gun</td>
<td>HG20R-02</td>
<td>HG20R-012E-02</td>
<td>HG20R-02</td>
<td>HG20R-012E-02</td>
</tr>
<tr>
<td>Output SAE10*</td>
<td>12 L (3gal)/min</td>
<td>12 L (3gal)/min</td>
<td>12 L (3gal)/min</td>
<td>12 L (3gal)/min</td>
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<tr>
<td>Output 15W-40*</td>
<td>9 L (2.4gal)/min</td>
<td>9 L (2.4gal)/min</td>
<td>9 L (2.4gal)/min</td>
<td>9 L (2.4gal)/min</td>
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<tr>
<td>Output SAE140*</td>
<td>8 L (2.1gal)/min</td>
<td>8 L (2.1gal)/min</td>
<td>8 L (2.1gal)/min</td>
<td>8 L (2.1gal)/min</td>
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<tr>
<td>Container</td>
<td>205L (54gal) drum</td>
<td>205L (54gal) drum</td>
<td>205L (54gal) drum</td>
<td>205L (54gal) drum</td>
</tr>
<tr>
<td>Airline lubricator</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>2” bung adapter</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Fully serviceable</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Warranty¹</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td>Parts guarantee²</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td>Compatible fluids</td>
<td>oils up to SAE140, automatic trans fluid, engine oil, gear oil, hydraulic oil, diesel, kerosene, anti-freeze/anti-boil</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max air pressure</td>
<td>1030kPa (150psi)</td>
<td>1030kPa (150psi)</td>
<td>1030kPa (150psi)</td>
<td>1030kPa (150psi)</td>
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<tr>
<td>Min air pressure</td>
<td>400kPa (60psi)</td>
<td>400kPa (60psi)</td>
<td>400kPa (60psi)</td>
<td>400kPa (60psi)</td>
</tr>
<tr>
<td>Min air compressor</td>
<td>0.22m³/min (8cfm)</td>
<td>0.22m³/min (8cfm)</td>
<td>0.16m³/min (6cfm)</td>
<td>0.16m³/min (6cfm)</td>
</tr>
<tr>
<td>Air inlet</td>
<td>1/4” NPT (F)</td>
<td>1/4” NPT (F)</td>
<td>1/4” NPT (F)</td>
<td>1/4” NPT (F)</td>
</tr>
</tbody>
</table>

Note: Pump tested at 100psi c/w HG55 oil control gun. Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover. Note² Parts available for 10 years from deletion or upgrade of model.

For more information visit macnaughtusa.com
Freedom. That’s what it is, freedom. There’s never been a smarter oil pump. Designed and manufactured in Australia, the Macnaught BOP20 is a portable and rechargeable, 18 volt battery operated oil pump, designed to improve workshop efficiency and reduce fatigue with the flick of a button. Simple but clever, the BOP20 powerhead can be transferred across multiple pump stems to reduce set-up costs and the ‘on-demand’ flow nozzle allows full control over oil delivery with flow rates up to 1 GAL/min.

Single-handedly, it will improve the workflow in your workshop.

FEATURES & BENEFITS
- Sealed wetted parts - zero contamination
- Separate Powerhead – multiple oils with one Powerhead
- 18v rechargeable 2.0Ah battery delivers up to 40 GAL
- Oils up to SAE90 – most under car applications
- Flow rates up to 1 GAL/min
- Safety lockout carry handle for simple Powerhead transfer
- On-demand flow control
- No more pumping by hand alleviating fatigue and other WH&S issues

TECHNICAL SPECIFICATIONS
- Compatible fluids - Lubricating oils
- Flow control - On demand
- Drum size - Nominal 5 GAL
- Delivery rate - Up to 1 GAL/min
- Lubricant range - 0W40 - SAE90
- Priming - Self priming
- Battery - 2.0Ah Li-Ion
- Charger - 1hr fast

NEW
- Adjustable stem
- For varying drum depths
- New modular concept
- Sealed wetted parts for zero contamination
- Easy portable Powerhead
- Single Powerhead for multiple pump stems
- Easy control nozzle
- Simple single handed ‘on demand’ flow nozzle

• PATENT •
SINGLE HANDEDLY IMPROVING WORKFLOW

Freedom. That’s what it is, freedom. There’s never been a smarter oil pump. Designed and manufactured in Australia, the Macnaught BOP20 is a portable and rechargeable, 18volt battery operated oil pump, designed to improve workshop efficiency and reduce fatigue with the flick of a button. Simple but clever, the BOP20 powerhead can be transferred across multiple pump stems to reduce set-up costs and the ‘on-demand’ flow nozzle allows full control over oil delivery with flow rates up to 1 GAL/min. Single-handedly, it will improve the workflow in your workshop.

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- Flow control - On demand
- Drum size - Nominal 5 GAL
- Delivery rate - Up to 1 GAL/min
- Lubricant range - 0W40 - SAE90
- Priming - Self priming
- Battery - 2.0Ah Li-Ion
- Charger - 1hr fast
Electronic Oil Control Gun

The Reliable HG20 oil gun is fitted with a digital meter and is ideal for all types of workshops and automotive dealership applications. The HG20 is designed with a trigger lock on the handle and is supplied complete with flexible extension and automatic non drip nozzle. The meter accuracy is +/- 0.5% of reading.

Features & Benefits

- Reliable HG20 oil gun fitted with digital meter for all types of workshop or dealership applications.
- Switchable from batch and total displays

Technical Specifications:

- Accuracy: +/- 0.5% of Reading
- Type: Oval Gear
- Flow range: 1 Ltr -25 Ltr (0.26 - 6.6 US Gal) per minute
- Maximum Pressure: 6900kPa / 1000psi / 69 Bar
- Suitable for use with: Engine Oil, Diesel Oil, Automatic Transmission Fluid (Maximum Viscosity SAE140), Ethelene Glycol Based Anti-Freeze / Anti-Boil mixture (Max 50% water)
- Wetted Materials: Acetal, Aluminium, Steel, Nitrile Rubber
- Connections: 1/2" NPT
- Maximum Temperature: 55 deg C (131 deg F)
- Minimum Temperature: -14 deg C ( 6.8 deg F )
- Maximum Viscosity: 1000cP (Centipoise)
- Re-settable 'Batch' Total: 99999.9
- Non-Resettable Total: 999999

Package Includes:

- HG20 oil control nozzle
- IM012E electronic meter
- Flexible Extension
- Automatic non-drip nozzle

Applications:

Automotive, Truck and Buses, Farming, Construction and Earthmoving, Military, Mining, Aircraft, Trains

For more information visit macnaughtusa.com
## Coolant control gun & oil control guns

<table>
<thead>
<tr>
<th>HG20R-02</th>
<th>HG20F-02</th>
<th>CCG-02</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flow range</strong></td>
<td>up to 30L (8gal)/min</td>
<td>up to 30L (8gal)/min</td>
</tr>
<tr>
<td><strong>Inlet swivel</strong></td>
<td>1/2&quot; NPT(F)</td>
<td>1/2&quot; NPT (F)</td>
</tr>
<tr>
<td><strong>Non drip nozzle</strong></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Latching trigger</strong></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Fully serviceable</strong></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Warranty¹</strong></td>
<td>10 Years</td>
<td>10 Years</td>
</tr>
<tr>
<td><strong>Parts guarantee²</strong></td>
<td>10 Years</td>
<td>10 Years</td>
</tr>
<tr>
<td><strong>Compatible fluids</strong></td>
<td>engine and gear oils up to SAE140, automatic transmission and hydraulic fluid</td>
<td>coolant</td>
</tr>
<tr>
<td><strong>Max working pressure</strong></td>
<td>6900kPa (1000psi)</td>
<td>6900kPa (1000psi)</td>
</tr>
<tr>
<td><strong>Max working temp</strong></td>
<td>70°C/150°F</td>
<td>70°C/150°F</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>0.8kg/28oz</td>
<td>0.8kg/28oz</td>
</tr>
<tr>
<td><strong>Extension type</strong></td>
<td>Rigid</td>
<td>Flexible</td>
</tr>
</tbody>
</table>

Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover.

Note² Parts available for 10 years from deletion or upgrade of model.

## Control guns - metered

<table>
<thead>
<tr>
<th>HG20R-012E-02</th>
<th>HG20F-012M-02</th>
<th>HG20F-012E-02</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flow range</strong></td>
<td>up to 30L (8gal)/min</td>
<td>up to 30L (8gal)/min</td>
</tr>
<tr>
<td><strong>Inlet swivel</strong></td>
<td>1/2&quot; NPT(F)</td>
<td>1/2&quot; NPT (F)</td>
</tr>
<tr>
<td><strong>Meter</strong></td>
<td>Electronic</td>
<td>Mechanical</td>
</tr>
<tr>
<td><strong>Meter Accuracy</strong></td>
<td>+/- 0.5%</td>
<td>+/- 1%</td>
</tr>
<tr>
<td><strong>Features</strong></td>
<td>6 digit totaliser</td>
<td>7 digit totaliser</td>
</tr>
<tr>
<td><strong>Extension</strong></td>
<td>Rigid with non-drip nozzle</td>
<td>Flexible with non-drip nozzle</td>
</tr>
<tr>
<td><strong>Latching Trigger</strong></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Fully Serviceable</strong></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Warranty¹</strong></td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td><strong>Parts guarantee²</strong></td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td><strong>Compatible Fluids</strong></td>
<td>engine, gear, ATF, hydraulic oils up to SAE140 viscosity &amp; anti-freeze/anti boil</td>
<td></td>
</tr>
<tr>
<td><strong>Max Working Pressure</strong></td>
<td>6,900 kPa (1000 psi)</td>
<td>6,900 kPa (1000 psi)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>1.5kg/3.3Lb</td>
<td>1.5kg/3.3Lb</td>
</tr>
</tbody>
</table>

Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover.

Note² Parts available for 10 years from deletion or upgrade of model.

BSP models available
High flow oil control gun

High volume oil control gun with flexible extension and manual non-drip nozzle. Fitted with trigger guard locking trigger and full flow 3/4” BSP(F) inlet swivel. Up to 10,350 kPa (1500 psi) maximum working pressure. Flow rate up to 57L/min (15 US gal/min). The Manual nozzle allows full flow with minimum pressure drop.

Features & Benefits
- High volume gun suited to bulk dispensing of most types of service fluids used in mining or large workshops.
- Fitted with trigger guard and locking trigger
- Fitted with flexible extension & manual non-drip nozzle

Value Proposition
Allows high flow with minimum pressure loss.

Technical Specifications
- Flow Range: Up to 56 ltr / min (15 US GAL)
- Maximum Pressure: 105 BAR / 10500 kPa / 1500 PSI
- Maximum Operating Temp: 70 deg C (158 deg F)
- Weight: 1.8KG/4Lb
- Swivel Inlet: 3/4” NPT
- Fluid Compatibility: Transmission Fluid, Anti-freeze / Anti-Boil, Engine oil Diesel Oil, and Lubricating oils to SAE140

Applications:
Truck and Buses, Construction and Earthmoving, Military, Mining, Aircraft, Large oil transfer applications

Package Includes:
- HG100 Handle
- Flexible extension
- Full flow manual non-drip nozzle
High flow oil control guns

HG100-02

HG100-019E-02

<table>
<thead>
<tr>
<th>Feature</th>
<th>HG100-02</th>
<th>HG100-019E-02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow range</td>
<td>up to 57L (15gal)/min</td>
<td>up to 57L (15gal)/min</td>
</tr>
<tr>
<td>Inlet swivel</td>
<td>3/4” NPT (F)</td>
<td>3/4” NPT (F)</td>
</tr>
<tr>
<td>Meter</td>
<td>✓</td>
<td>Oval gear / Digital</td>
</tr>
<tr>
<td>Meter accuracy</td>
<td>✓</td>
<td>+/- 0.5% (lube oils)</td>
</tr>
<tr>
<td>Features</td>
<td>Hi-Flow. Heavy duty design, Trigger Guard for hand protection. Balanced valve assembly for max flow control.</td>
<td>Includes all HG100 Std features plus 6-digit digital display, resettable batch totaliser, resettable and non resettable totals, flow rate mode, c/w protective shroud.</td>
</tr>
<tr>
<td>Extension</td>
<td>flexible</td>
<td>flexible</td>
</tr>
<tr>
<td>Non drip nozzle</td>
<td>manual</td>
<td>manual</td>
</tr>
<tr>
<td>Latching trigger</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Fully serviceable</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Warranty¹</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td>Parts guarantee²</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td>Compatible fluids</td>
<td>oils up to SAE140, automatic trans fluid, engine oil, gear oil, hydraulic oil, coolant</td>
<td>10 350kPa (1500psi)</td>
</tr>
<tr>
<td>Max working pressure</td>
<td>10 350kPa (1500psi)</td>
<td>10 350kPa (1500psi)</td>
</tr>
</tbody>
</table>

Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover.
Note² Parts available for 10 years from deletion or upgrade of model.
Control guns - metered (HG series)

Top of the range pre-settable electronic oil control gun with rigid extension. Features include, locking trigger and non-drip nozzle, 5 pre-settable totals, resetable batch total and a non-resttable total. The meter accuracy is +/- 0.5 % of reading, working pressures up to 1500psi (10,350kPa) and flow rates from 1 to 30LPM (4 to 8 US gal/min) the gun features a self correcting function for viscosity change.

Features & Benefits
- HG-SERIES oil gun with pre-set digital display
- For oils up to SAE140 viscosity with +/-0.5% accuracy
- Maximum working pressure 10,350 kPa (1500 psi) through either of two outlets (dual outlet)
- Flow rate up to 30L(8gal)/min
- Rigid extension with non-drip automatic nozzle

Value Proposition
Easy to operate accurate pre-settable gun with 5 storable presets. Accurate control and measurement of oil usage.

Technical Specifications
- Accuracy: + - 0.5% (of Reading) (ISO100 @ 10 l/min)
- Flow Range: 1-30 l/min (0.26 – 8 US gal/min)
- Maximum Pressure: 103.50 BAR / 10350kPa / 1500 PSI
- Weight: 1.16kg (2.55lbs)
- Swivel Inlet: 1/2” NPT
- Outlet: 3/8” NPT
- Operating Temperature: -0 to +50 degrees Celsius (32 – 122 degrees F)
- Battery: 2 x 1.5Volt AA Batteries (Alkaline batteries are essential for HG60 version)
- Fluid Compatibility: Engine Oil, Diesel Oil, Automatic Transmission Fluid, Anti-freeze / Anti-Boil Mixture. (Maximum Viscosity SAE140)
- Dimensions: 25.8cm (10inch) Long x 9.5 cm (3.7inch) High, 11cm(4.33inch) wide (Dimensions without extension)

Recommended Additional Offerings:
- T512-02 – 5:1 Ratio oil pump
- OMP310B-02 – Retracta oil reel (1/2”x15m)

Applications:
Automotive, Truck and Buses, Farming, Construction and Earthmoving, Military, Mining, Aircraft, Trains
Control guns - metered (HG series)

### HG04-R-02 Mechanical
- Flow range: 1-30L (0.26-8gal)/min
- Inlet swivel: 1/2" NPT (F)
- Meter: Oval gear / mechanical
- Meter accuracy (Flow rate): +/- 1% (lube oils)
- Features: 4-digit resettable batch totaliser, 6-digit accumulative totaliser

### HG55-02 Electronic
- Flow range: 1-30L (0.26-8gal)/min
- Inlet swivel: 1/2" NPT (F)
- Meter: Oval gear / digital
- Meter accuracy (Flow rate): +/- 0.5% (lube oils)
- Features: 5-digit resettable batch totaliser, 6-digit accumulative totaliser, sleep mode to conserve battery life, EEPROM information retention for battery change

### HG60-R-02 Electronic Preset
- Flow range: 1-30L (0.26-8gal)/min
- Inlet swivel: 1/2" NPT (F)
- Meter: Oval gear / digital
- Meter accuracy (Flow rate): +/- 0.5% (lube oils)
- Features: 5-digit resettable batch totaliser, 6-digit accumulative totaliser, sleep mode to conserve battery life, EEPROM information retention for battery change

#### Features
- Extension: Rigid
- Non drip nozzle: Automatic
- Latching trigger: ✓
- Fully serviceable: ✓

---

**Oil control gun accessories**

**AUTOMATIC NOZZLE**
- **HGNZL**
  - Fully automatic non-drip nozzle

**RIGID EXTENSION**
- **HGEX**
  - 150 mm (6") rigid extension

**FLEXIBLE EXTENSION**
- **HGFNZ**
  - 250mm (10") flexible extension with non drip nozzle

- **HGFEX**
  - 250mm (10") flexible extension

---

**Note¹** Subject to Macnaught warranty terms and conditions, see inside back cover. **Note²** Parts available for 10 years from deletion or upgrade of model.

BSP models available

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For more information visit macnaughtusa.com
**IN-LINE OIL FLOW METERS**

**Electronic oil meter - 1/2" BSP/NPT**

In-line oval gear meter with electronic register designed to accurately measure lubricating oils. Flow rate up to 30L/min (8 US gal/min), with an accuracy of +/- 0.5% of reading and a maximum pressure rating up to 6,900 kPa (1,000psi). The meter has a large LC display with both batch and cumulative totals. Fitted with either 1/2" BSP / NPT(F) ports.

**Features & Benefits**
- In-line oval gear technology meters offer accurate fluid measurements for most oil applications.
- Digital display showing both cumulative & push-button reset batch totals and rate-of-flow display
- Flow rate up to 30L/min (8 US gal/min) with up to SAE140 viscosity

**Value Proposition**
Economic, accurate and reliable electronic flow meter.

**Technical Specifications**
- Accuracy: +/- 0.5% of Reading
- Type: Oval Gear
- Flowrate: 1 Ltr - 30 Ltr (0.26 - 8 US Gal) per minute
- Maximum Pressure: 6900kPa / 1000psi / 69 Bar
- Suitable for use with: Engine Oil, Diesel Oil, Automatic Transmission Fluid, Ethylene Glycol Based Anti-Freeze / Anti-Boil mixture (Max 50% water)
- Connections: 1/2" NPT
- Maximum Temperature: 55 deg C (131 deg F)
- Maximum Viscosity: 1000cP (Centipoise)
- Re-settable 'Batch' Total: 999999.9
- Non-Resettable Total: 999999

**Applications:**
In-line oil monitoring applications, Add to non-metered hose end oil guns, Automotive, Truck and Buses, Farming, Construction and Earthmoving, Military, Mining, Aircraft, Trains
# In-line Oil Flow Meters

## Applications:
- In-line oil monitoring applications
- Add to non-metered hose end oil guns
- Automotive, Truck and Buses
- Farming, Construction and Earthmoving
- Military
- Mining
- Aircraft
- Trains

## Technical Specifications
- **Accuracy:** +/− 0.5% of Reading
- **Type:** Oval Gear
- **Flowrate:** 1 Ltr - 30 Ltr (0.26 - 8 US Gal) per minute
- **Maximum Pressure:** 6900 kPa / 1000 psi / 69 Bar
- **Suitable for use with:** Engine Oil, Diesel Oil, Automatic Transmission Fluid, Ethelene Glycol Based Anti-Freeze / Anti-Boil mixture (Max 50% water)
- **Connections:** 1/2” NPT
- **Maximum Temperature:** 55 deg C (131 deg F)
- **Maximum Viscosity:** 1000 cP (Centipoise)
- **Re-settable ‘Batch’ Total:** 99999.9
- **Non-Resettable Total:** 999999

## Electronic Oil Meter - 1/2” BSP/NPT

### Features & Benefits
- In-line oval gear technology meters offer accurate fluid measurements for most oil applications.
- Digital display showing both cumulative & push-button reset batch totals and rate-of-flow display.
- Flow rate up to 30L/min (8 US gal/min) with up to SAE 140 viscosity.

## Value Proposition
- Economic, accurate and reliable electronic flow meter.

In-line oval gear meter with electronic register designed to accurately measure lubricating oils. Flow rate up to 30L/min (8 US gal/min), with an accuracy of +/- 0.5% of reading and a maximum pressure rating up to 6,900 kPa (1,000 psi).

### IM012E-02 IM019E-02
- **Flow range:** 1-30 L(0.26-8gal)/min
- **Meter / register:** Oval gear / Digital
- **Accuracy (flow rate):** +/- 0.5% (lube oils)
- **Features:** 6-digit digital display
- **Protective shroud:** ✓
- **Inlet port:** 1/2” NPT (F)
- **Outlet port:** 1/2” NPT (F)
- **Fully serviceable:** ✓
- **Warranty¹:** 10 years
- **Parts guarantee²:** 10 years
- **Compatible fluids:** oils up to SAE 140, automatic trans fluid, engine oil, gear oil, hydraulic oil, coolant, diesel, kerosene

### IM012P-02 IM019P-02
- **Flow range:** 3 - 80 L(0.8-21gal)/min
- **Meter / register:** Oval gear / Pulse output
- **Accuracy (flow rate):** +/- 0.5% (lube oils)
- **Features:** 6-digit digital display
- **Protective shroud:** ✓
- **Inlet port:** 3/4” NPT (F)
- **Outlet port:** 3/4” NPT (F)
- **Fully serviceable:** ✓
- **Warranty¹:** 10 years
- **Parts guarantee²:** 10 years
- **Compatible fluids:** oils up to SAE 140, automatic trans fluid, engine oil, gear oil, hydraulic oil, coolant, diesel, kerosene

### IM012M-02 IM019M-02
- **Flow range:** 3 - 80 L(0.8-21gal)/min
- **Meter / register:** Oval gear / Mechanical
- **Accuracy (flow rate):** +/- 1% (lube oils)
- **Features:** 4-digit resettable batch totaliser
- **Protective shroud:** ✓
- **Inlet port:** 1/2” NPT (F)
- **Outlet port:** 1/2” NPT (F)
- **Fully serviceable:** ✓
- **Warranty¹:** 10 years
- **Parts guarantee²:** 10 years
- **Compatible fluids:** oils up to SAE 140, automatic trans fluid, engine oil, gear oil, hydraulic oil, coolant, diesel, kerosene

Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover.
Note² Parts available for 10 years from deletion or upgrade of model.

BSP models available for more information visit macnaughtusa.com
**Technical Specifications**

- Robust aluminum meter body with oval rotor gears for accuracy and reliability. Suitable for In-line or gravity mounting.
- Suitable for diesel, kerosene, ULP & light oils.
- Flow range: 3 - 80LPM (0.8-21gal).
- Maximum working pressure: 50psi (3.5bar).
- Accuracy: +/- 1% of reading.
- Fitted with 1” NPT (F) inlet/outlet.
- Mechanical display with push-button reset batch total.

**Repair Kits:**

- DM100-1K Seal Kit

**Value Proposition**

Meter oval gear provides accurate measurement.

**Features**

- Low pressure drop makes this meter suitable for gravity fed systems.
- Register cap is rotatable for easy display.
- Mesh strainer included.

<table>
<thead>
<tr>
<th>Feature</th>
<th>DM100-02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow range</td>
<td>3 - 80L (0.8-21gal)/min</td>
</tr>
<tr>
<td>Meter / register</td>
<td>Oval gear / Mechanical</td>
</tr>
<tr>
<td>Accuracy (flow rate)</td>
<td>+/- 1%</td>
</tr>
<tr>
<td>Features</td>
<td>Low pressure drop makes this meter suitable for gravity fed systems. Register cap is rotatable for easy display. Mesh strainer included.</td>
</tr>
<tr>
<td>Inlet port</td>
<td>1” NPT (F)</td>
</tr>
<tr>
<td>Outlet port</td>
<td>1” NPT (F)</td>
</tr>
<tr>
<td>Fully serviceable</td>
<td>✓</td>
</tr>
<tr>
<td>Warranty¹</td>
<td>10 years</td>
</tr>
<tr>
<td>Parts guarantee²</td>
<td>10 years</td>
</tr>
<tr>
<td>Compatible fluids</td>
<td>Diesel, kerosene and petrol</td>
</tr>
<tr>
<td>Max working pressure</td>
<td>50psi (3.5bar)</td>
</tr>
<tr>
<td>Min/Max working Temp</td>
<td>-5°C to 80°C (23°F to 176°F)</td>
</tr>
<tr>
<td>Weight (with fittings)</td>
<td>1.2kg/2.6Lb</td>
</tr>
</tbody>
</table>

Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover.

Note² Parts available for 10 years from deletion or upgrade of model.

BSP models available.
Fuel accessories

**FUEL FILTER KIT**

**VA-01**
Fuel filter kit to suit RAPIDFLO™ RVP and GT pumps. Includes 10μm filter and fittings to connect to pump.

**FUEL FILTER KIT**

**HA-01**
Fuel filter kit to suit LITRESTROKE™ pump. Includes 10μm filter and fittings to connect to pump.

**FUEL FILTER ASSEMBLY**

**HA1S-01**
10μm fuel filter – 1” NPT. Uses 10μm replacement filter filter elements

**HA1SS80**
80 MESH – 1” NPT (F) ports. Uses 80MESH stainless steel strainer for more contaminated applications.

**FUEL FILTER ASSEMBLY**

**GB-01**
Fuel filter kit to suit GP RAPIDFLO (not suitable for bio-diesel).

**STAINLESS STEEL STRAINER**

**HASS40S**
40 MESH replacement element

**HASS80S**
80 MESH replacement element

**REPLACEMENT FUEL FILTER**

**HA7S**
Replacement 10μm fuel filter element to fit GB, HA, VA and HA1S filters.

**CONNECTOR KIT**

**DG-01**
DM100 to GP pump (DG-01)

**FITTINGS KIT FOR GT-01**

**DV-01**
Fittings kit for connecting DM100/150 meters to RAPIDFLO™ pumps

**FITTINGS KIT FOR HP-01**

**DH-01**
Fittings kit for connecting DM100/150 meters to LITRESTROKE™ pumps

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For more information visit macnaughtusa.com
Rapidflo™

The GT RAPIDFLO™ is a high performance rotary impeller pump suitable for transferring diesel, ULP, aviation fuels, kerosene & light oils (up to SAE30). The RAPIDFLO™ is capable of transfer rates of 800ml per revolution (up to 100L.min depending on viscosity) from 60-205L drums and tanks.

- Robust aluminium housing screwed together for ease of service and maintenance
- Lockable handle and nozzle holder for security
- High flow rate with close to one litre per revolution

<table>
<thead>
<tr>
<th>Feature</th>
<th>GT-01 - rapidflo™</th>
<th>GT-01-BD - rapidflo™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump output</td>
<td>0.8L/rev (typical delivery rate 100L/min (26 US GAL)</td>
<td>bi-lobe rotary</td>
</tr>
<tr>
<td>Action</td>
<td>bi-lobe rotary</td>
<td>bi-lobe rotary</td>
</tr>
<tr>
<td>Hose</td>
<td>2.4m (8′ft) anti-static rubber hose</td>
<td>2.4m (8′ft) anti-static rubber hose</td>
</tr>
<tr>
<td>Drum size</td>
<td>60L - 205L (16 - 54gal)</td>
<td>60L - 205L (16 - 54gal)</td>
</tr>
<tr>
<td>Drum adapter</td>
<td>2&quot; sliding</td>
<td>2&quot; sliding</td>
</tr>
<tr>
<td>Lockable handle</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Nozzle holder</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Built in strainer</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Compatible fluids</td>
<td>diesel, ULP, aviation fuels, kerosene, lubricating oils to SAE30</td>
<td>bio diesel, kerosene and lubricating oils to SAE30</td>
</tr>
</tbody>
</table>

Note* - Users of aviation fuels must check material compatibility with the fuel product they are using. Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover. Note² Parts available for 10 years from deletion or upgrade of model.
### Rotary vane pump

An economical rotary pump designed to dispense diesel, kerosene and lubricating oils up to 20 L (5 US gal) per minute from 60 L (16 US gal) to 205 L (55 US gal) drums.

- Nozzle holder to stop siphoning between uses
- Sliding bung adaptor to handle both 205L (54gal) & 60L (16gal) drums

### Litrestroke™

The LITRESTROKE™ is a hand operated, lever action piston pump for dispensing diesel, kerosene, ULP and light oils (up to SAE30) from 60-205L (16-54gal) drums or tanks. The LITRESTROKE™ delivers 1 L (1qt) per stroke and up to 40L (10gal/min) which makes it suitable for most common fuel transfer applications.

- 1L (1qt) per stroke
- Robust steel construction
- Lockable handle
- Two-piece suction tube allows both 205L (54gal) & 60L (16gal) drums to be used
- 2.4m (8’ft) antistatic hose

---

<table>
<thead>
<tr>
<th>Feature</th>
<th>RVP-01 (rotary vane oil pump)</th>
<th>HP-01 (lever action fuel pump)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump output</td>
<td>Typical delivery rate 20L(5gal)/min</td>
<td>1ltr/stroke (Typical delivery rate 40L(10.5gal)/min)</td>
</tr>
<tr>
<td>Action</td>
<td>rotary</td>
<td>reciprocating</td>
</tr>
<tr>
<td>Hose</td>
<td>1.8m (6'ft) PVC/Nitrile hose</td>
<td>2.4m (8'ft) anti-static rubber hose</td>
</tr>
<tr>
<td>Drum size</td>
<td>60L - 205L (16-54gal)</td>
<td>60L - 205L (16-54gal)</td>
</tr>
<tr>
<td>Drum adapter</td>
<td>2” sliding</td>
<td>2” built in</td>
</tr>
<tr>
<td>Lockable handle</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Nozzle holder</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Built in strainer</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Fully serviceable</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Warranty¹</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td>Parts guarantee²</td>
<td>10 years</td>
<td>10 years</td>
</tr>
<tr>
<td>Compatible fluids</td>
<td>diesel, kerosene and lubricating oils to SAE 90</td>
<td>diesel, petrol, lubricating oils to SAE 30</td>
</tr>
</tbody>
</table>

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Note¹ Subject to Macnaught warranty terms and conditions, see inside back cover.

Note² Parts available for 10 years from deletion or upgrade of model.
INNOVATION BY DESIGN. ALL NEW RETRACTA R3.

The new R3 family of polypropylene hose reels from Retracta brings robust durability into a new era. 2 years in development, the new R3 range stays true to the Retracta name offering high quality, superior performance and even better value for money. Offered in 2 appointment levels the R3 is engineered to maintain the superior reliability and longevity of it’s predecessors. The R3 family offers enhanced usability through the innovative use of materials and design.

RETRACTA R3 - RACR® Optimize safety with adjustable rewind speeds

At the heart of this innovation is the patented RACR® ‘Retracta Adjustable Control Return’ system supplied on all R3-P+ models. This world first control return system offers not only the safety of slowing the return speed of the hose when free to return, but goes beyond the simple one size fits all ‘slow return’ approach of noisy, fast wearing braking systems. Instead, the RACR® system offers true control by allowing the user to set the speed of return to suit their individual requirements.

And, because Retracta is all about reliability and longevity, the RACR® System is fully serviceable and carries the same 10 year warranty and parts guarantee found with the entire R3 family.
New high-wear resistant mouth design

Increased internal capacity

Upgraded Main Spring (internal)

Integrated handle

Wider mounting bracket

Overrun protection on spring

Safe tensioning mechanism

RACR® on all R3-P+ models

Fully serviceable

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For more information visit macnaughtusa.com
RetractaFLEX
PREMIUM AIR & WATER HOSE

Innovative Hybrid Polymer Material
No memory
Eliminates Kinking
Heavy Duty & Lightweight

Specifications:
300 PSI Working Pressure
1200 Burst Pressure
-40F to 140F

Certifications:
NSF372
FDA CFR21
REACH
RoHs
STOCKED R3 HOSE REELS / MACNAUGHT AMERICAS / TAMPA FL

Retracta R3-S Standard Reel

<table>
<thead>
<tr>
<th>Pt No.</th>
<th>Description</th>
<th>Service</th>
<th>I.D</th>
<th>Length</th>
<th>Max WP</th>
<th>Case/ Hose</th>
<th>Hose Type</th>
<th>Max Temp</th>
<th>Reel inlet</th>
<th>Hose Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>RY365K-02</td>
<td>RETRACTA R3 Premium spring rewind reel c/w 65° (20m) x 3/8&quot; Retracta-Flex Yellow hose, 3/8&quot; NPT F inlet fitting and 1/4&quot; NPT M hose end. Black case.</td>
<td>Air/Water</td>
<td>3/8&quot;</td>
<td>65° (20m)</td>
<td>300 psi</td>
<td>Black/ Yellow</td>
<td>RetractaFLEX Yellow</td>
<td>140F</td>
<td>3/8&quot; NPT F</td>
<td>1/4&quot; NPT M</td>
</tr>
<tr>
<td>RY365R-02</td>
<td>RETRACTA R3 Premium spring rewind reel c/w 65° (20m) x 3/8&quot; Retracta-Flex Yellow hose, 3/8&quot; NPT F inlet fitting and 1/4&quot; NPT M hose end. Red case.</td>
<td>Air/Water</td>
<td>3/8&quot;</td>
<td>65° (20m)</td>
<td>300 psi</td>
<td>Red/ Yellow</td>
<td>RetractaFLEX Yellow</td>
<td>140F</td>
<td>3/8&quot; NPT F</td>
<td>1/4&quot; NPT M</td>
</tr>
<tr>
<td>RO365B-02</td>
<td>RETRACTA R3 Premium spring rewind reel c/w 65° (20m) x 3/8&quot; Retracta-Flex Orange hose, 3/8&quot; NPT F inlet fitting and 1/4&quot; NPT M hose end. Blue case.</td>
<td>Air/Water</td>
<td>3/8&quot;</td>
<td>65° (20m)</td>
<td>300 psi</td>
<td>Blue/ Orange</td>
<td>RetractaFLEX Orange</td>
<td>140F</td>
<td>3/8&quot; NPT F</td>
<td>1/4&quot; NPT M</td>
</tr>
<tr>
<td>RO465B-02</td>
<td>RETRACTA R3 Premium spring rewind reel c/w 65° (20m) x 1/2&quot; Retracta-Flex Orange hose, 3/8&quot; NPT F inlet fitting and 3/8&quot; NPT M hose end. Blue case.</td>
<td>Air/Water</td>
<td>1/2&quot;</td>
<td>65° (20m)</td>
<td>300 psi</td>
<td>Black/ Orange</td>
<td>RetractaFLEX Orange</td>
<td>140F</td>
<td>3/8&quot; NPT F</td>
<td>3/8&quot; NPT M</td>
</tr>
<tr>
<td>RY550B-02</td>
<td>RETRACTA R3 Premium spring rewind reel c/w 50° (15m) x 5/8&quot; Retracta-Flex Yellow hose, 1/2&quot; NPT F inlet fitting and 1/2&quot; NPT M hose end. Blue case.</td>
<td>Air/Water</td>
<td>5/8&quot;</td>
<td>50° (15m)</td>
<td>300 psi</td>
<td>Black/ Yellow</td>
<td>RetractaFLEX Yellow</td>
<td>140F</td>
<td>1/2&quot; NPT F</td>
<td>1/2&quot; NPT M</td>
</tr>
<tr>
<td>DR460C-05</td>
<td>RETRACTA R3 Premium spring rewind reel c/w 60° (18m) x 1/2&quot; Horticultural hose, Ind Garden US Tap inlet fitting and Ind Garden US Water hose end. Green case.</td>
<td>Water</td>
<td>1/2&quot;</td>
<td>60° (18m)</td>
<td>100 psi</td>
<td>Green/ Green</td>
<td>Horticultural</td>
<td>140F</td>
<td>Ind Garden US Tap</td>
<td>Ind Garden US Tap</td>
</tr>
<tr>
<td>OMP450K-02</td>
<td>RETRACTA R3 Premium spring rewind reel c/w 50° (15m) x 1/2&quot; Oil hose, 3/8&quot; NPT F inlet fitting and 1/2&quot; NPT M hose end. Black case.</td>
<td>Oil</td>
<td>1/2&quot;</td>
<td>50° (15m)</td>
<td>800 psi</td>
<td>Black/ Black</td>
<td>Oil</td>
<td>140F</td>
<td>1/2&quot; NPT F</td>
<td>1/2&quot; NPT M</td>
</tr>
</tbody>
</table>

Retracta R3-P+ with RACR Adjustable Return

<table>
<thead>
<tr>
<th>Pt No.</th>
<th>Description</th>
<th>Service</th>
<th>I.D</th>
<th>Length</th>
<th>Max WP</th>
<th>Case/ Hose</th>
<th>Hose Type</th>
<th>Max Temp</th>
<th>Reel inlet</th>
<th>Hose Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>RYC365R-02</td>
<td>RETRACTA R3 Premium + RACR® controlled spring rewind reel c/w 65° (20m) x 3/8&quot; Retracta-Flex Yellow hose, 3/8&quot; NPT F inlet fitting and 1/4&quot; NPT M hose end. Red case.</td>
<td>Air/Water</td>
<td>3/8&quot;</td>
<td>65° (20m)</td>
<td>300 psi</td>
<td>Red/ Yellow</td>
<td>RetractaFLEX Yellow</td>
<td>140F</td>
<td>3/8&quot; NPT F</td>
<td>1/4&quot; NPT M</td>
</tr>
<tr>
<td>ROC365B-02</td>
<td>RETRACTA R3 Premium + RACR® controlled spring rewind reel c/w 65° (20m) x 3/8&quot; Retracta-Flex Orange hose, 3/8&quot; NPT F inlet fitting and 1/4&quot; NPT M hose end. Blue case.</td>
<td>Air/Water</td>
<td>3/8&quot;</td>
<td>65° (20m)</td>
<td>300 psi</td>
<td>Blue/ Orange</td>
<td>RetractaFLEX Orange</td>
<td>140F</td>
<td>3/8&quot; NPT F</td>
<td>1/4&quot; NPT M</td>
</tr>
<tr>
<td>ROC465B-02</td>
<td>RETRACTA R3 Premium + RACR® controlled spring rewind reel c/w 65° (20m) x 1/2&quot; Retracta-Flex Orange hose, 3/8&quot; NPT F inlet fitting and 1/4&quot; NPT M hose end. Blue case.</td>
<td>Air/Water</td>
<td>1/2&quot;</td>
<td>65° (20m)</td>
<td>300 psi</td>
<td>Blue/ Orange</td>
<td>RetractaFLEX Orange</td>
<td>140F</td>
<td>3/8&quot; NPT F</td>
<td>3/8&quot; NPT M</td>
</tr>
<tr>
<td>RYC550B-02</td>
<td>RETRACTA R3 Premium + RACR® controlled spring rewind reel c/w 50° (15m) x 5/8&quot; Retracta-Flex Yellow hose, 1/2&quot; NPT F inlet fitting and 1/2&quot; NPT M hose end. Blue case.</td>
<td>Air/Water</td>
<td>5/8&quot;</td>
<td>65° (20m)</td>
<td>300 psi</td>
<td>Blue/ Yellow</td>
<td>RetractaFLEX Yellow</td>
<td>140F</td>
<td>1/2&quot; NPT F</td>
<td>1/2&quot; NPT M</td>
</tr>
<tr>
<td>OMP450K-02</td>
<td>RETRACTA R3 Premium + RACR® controlled spring rewind reel c/w 50° (15m) x 1/2&quot; Oil hose, 1/2&quot; NPT F inlet fitting and 1/2&quot; NPT M hose end. Black case.</td>
<td>Oil</td>
<td>1/2&quot;</td>
<td>50° (15m)</td>
<td>800 psi</td>
<td>Black/ Black</td>
<td>Oil</td>
<td>140F</td>
<td>1/2&quot; NPT F</td>
<td>1/2&quot; NPT M</td>
</tr>
</tbody>
</table>

Additional Notes: Additional Case & Hose Colors available. Custom / OEM / Private Label available. High Pressure / Hot Wash / Coolant / Grease / Oxy-Acet available.

Consult MacnaughtUSA INC for current inventory/sales inquiries: retractaquote@macnaughtusa.com
**HOSE REELS**

**F SERIES METERED**

- **Features & Benefits**
  - **Durable heavy duty construction**
    - Stainless Steel shaft suitable for mine service vehicle mounts and harsh operating conditions.
  - **Easy maintenance**
    - Featuring simple maintenance anodised aluminium meter body.
  - **Integrated meter**
    - Meter unit is protected by integration behind reel frame.
  - **Simple and easy to operate display**
    - Clear digit display, simple programming and easy operation with robust powder coated steel register mount.
  - **High quality hose and fitting**
    - Capable of handling multiple fluids and tough conditions.
  - **Small footprint**
    - Suitable for service vehicle and narrow footprint requirements.

- **Nominal Size**
  - **1/2”**
    - Diameter: 490 mm
    - Bore: 187 mm
    - Min Bend Radius: 280 mm
  - **3/4”**
    - Diameter: 745 mm
    - Bore: 296 mm
    - Min Bend Radius: 315 mm

<table>
<thead>
<tr>
<th>Model</th>
<th>Frame</th>
<th>Nominal Size</th>
<th>Nominal Size</th>
<th>Fluid Type</th>
<th>Inlet</th>
<th>Outlet</th>
<th>ID</th>
<th>supplied Length</th>
<th>Meter Material</th>
<th>Flow Range (lpm)</th>
<th>Accuracy</th>
<th>Repeatability</th>
<th>Seal Material</th>
<th>Body Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHXO1215-02</td>
<td>Metered Twin Ped HD</td>
<td>1/2”</td>
<td>15m/50’ft</td>
<td>Oil 1250 psi</td>
<td>Stainless Steel</td>
<td>Viton</td>
<td>1/2” BSPF</td>
<td>1/2” BSPF</td>
<td>1/2”</td>
<td>15m/50’ft</td>
<td>1/2”</td>
<td>2-50 (0.5-8gal/min)</td>
<td>0.5%</td>
<td>0.03%</td>
</tr>
<tr>
<td>FHXO1915-02</td>
<td>Metered Twin Ped HD</td>
<td>3/4”</td>
<td>15m/50’ft</td>
<td>Oil 1250 psi</td>
<td>Stainless Steel</td>
<td>Viton</td>
<td>3/4” BSPF</td>
<td>3/4” BSPF</td>
<td>3/4”</td>
<td>15m/50’ft</td>
<td>3/4”</td>
<td>2-80 (0.8-21gal/min)</td>
<td>0.5%</td>
<td>0.03%</td>
</tr>
</tbody>
</table>
F SERIES CRADLE METERED

Features & Benefits
Durable heavy duty construction
- Stainless Steel shaft suitable for mine service vehicle mounts and harsh operating conditions.

Easy maintenance
- Featuring simple maintenance anodised aluminium meter body.

Integrated meter
- Metering unit fitted to reel with all required connection.

Simple and easy to operate display
- Clear digit display, simple programming and easy operation with robust powder coated steel register mount.

High quality hose and fitting
- Capable of handling multiple fluids and tough conditions.

Small footprint
- Suitable for service vehicle and narrow footprint requirements.

MACNAUGHT
YEARS
WARRANTY
*

MACNAUGHT INNOVATION

F SERIES METERED

Swivel

Nominal Size

A
B
C
D
E
F
G
H

Min Bend Radius

1
650
442
696
340
Ø620
565
265
Ø11x4
180

1 1/2"
728
488
811
370
Ø715
660
350
Ø14x6
130

Fluid

WP

Shaft Material

O'ring Material

Housing Material

Inlet

Outlet

ID

Supplied Length

Outlet

Flow Range

Accuracy

Repeatability

Seal Material

Body Material

FCXD2515-02
Metered Cradle
1"
15m/50’ft
Diesel
200 psi
Stainless Steel
Viton
Zinc coated Brass
1” BSPP
3” BSPP
1”
15m/50’ft
1”
6-120 lpm (1.5-32gpm/min)
0.5%
0.03%
Viton
Aluminium

FCXD3815-02
Metered Cradle
1 1/2"
15m/50’ft
Diesel
200 psi
Stainless Steel
Viton
Zinc coated Brass
1 1/2” NPTF
1 1/2” NPTF
1 1/2”
15m/50’ft
1 1/2”
10-250 lpm (2.5-66gpm/min)
0.5%
0.03%
Viton
Aluminium

All hose connections are NPT unless otherwise stated.