

# techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics  
& Vacuum

Industrial

Compressed Air  
& Ring Main

Process &  
Instrumentation

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## Industrial

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Fuelling & Lubrication

# SECTION 10

## Fuelling & Lubrication



- Fuelling Trigger Nozzles
- Fuel Dispensing Kits
- Redashe Oil Guns
- Fuelling Adblue
- IBC Pump Kit
- Fuel Hoses
- Fuel Meters
- Fuel Filtration
- FAG Filters
- GROZ Filters
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# FUELLING EQUIPMENT & ACCESSORIES

10



## Trigger Nozzles

Manual trigger nozzle for use with diesel/gasoil. Suitable for use with gravity or electric pumps up to 80 L/min. Not automatic shut off.

**Body:** Aluminium

**Seals:** Nitrile



### BSPP

0225	Thread
2019-9295	1"

Suitable for use with diesel, biodiesel up to B100 and oils to SAE 90.

Aluminium body enclosed in a plastic shell making it comfortable even when used at low temperatures.

1" BSPF swivel inlet.

Can be used with gravity feed tanks or electric pumps. Integral hook for tidy storage when not in use.

**Maximum Flow:** 150 L/min.



### Manual

0225	LPM
NOZ.S3000	150

## Polypropylene Manual Nozzle

Polyethylene body. 3/4" hose tail.

Can be used with gravity feed tanks or electric pumps. Integral hook for tidy storage when not in use.

**NOZ.C**

Nitrile seals, mild steel spring.

**NOZ.C.AB**

Viton seals, 302 stainless steel spring.

**Max. Flow:** 60 L/min.



0225	Seal
NOZ.C	Nitrile

## Automatic Trigger Nozzles

Only suitable with diesel or biodiesel up to B30.

Automatically shuts-off the flow of fuel when vehicle tank is full.

3 position stay open latch. 20-80 L/min, max. pressure 50 psi (3.5 bar).

**For use with electric pumps only.**

Not suitable for vehicles with small filler necks.

**Body:** Aluminium



### BSPP

0225	Thread	LPM
2019-9311	3/4"	80
2019-9303	1"	80



### Economy, BSPP

0225	Thread	LPM	Colour
NOZA.60S	1"	60	Red
NOZA.120S	1"	120	Blue

## Professional Automatic Nozzle for Diesel

Only suitable with diesel or biodiesel up to B30.

Automatically shuts-off the flow of fuel when vehicle tank is full.

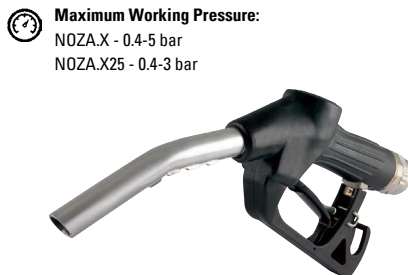
3 position stay open latch, which may be disabled if required. 1" BSPF swivel inlet.

**For use with electric pumps only.**

Not approved for use on resale dispensers.

**Max. Flow:** Standard 10-80 L/min

High Speed 80-140 L/min



0225	Description	LPM
NOZA.X	Standard	80
NOZA.X25	Hi speed	140

## Stainless Steel Automatic Nozzle

Suitable for use with diesel or Adblue®. Automatically shuts-off the flow of fuel when vehicle tank is full.

3 position stay open latch.

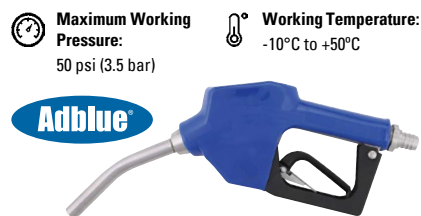
304 stainless steel body, viton seals.

Flow rate up to 45 L/min.

**For use with electric pumps only.**

**Inlet:** 3/4" (20mm) Hose barb.

**Maximum Flow:** 60 L/min.



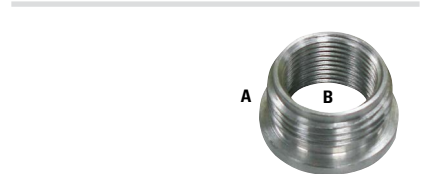
0255	Seal
NOZA.SS	Viton
Tech Sheet 20033	

## Nozzle Holder



0225
HANG.P

## Universal Reducing Bush



0225	Thread A	Thread B
BSH.4.3A	1"	3/4"



You might also need **Spill Kits** see **Industrial Section 13**

Fuelling & Lubrication



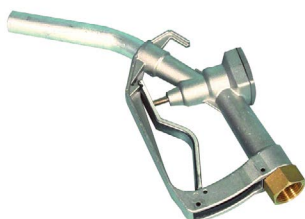
INDUSTRIAL



# FUELLING EQUIPMENT & ACCESSORIES

**Redashe**

## Automatic Trigger Nozzles


**BSPP**

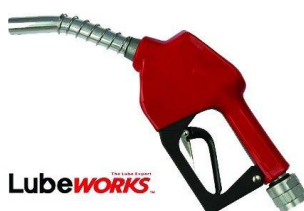
0122	Thread
ZFN34	3/4"

## Aluminium Delivery Nozzle Diesel



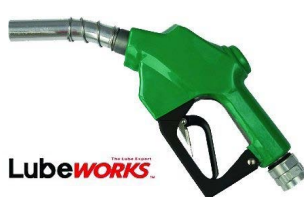
0122	Thread
J1789021	3/4"

## Auto Shut Off Nozzle Petrol & Diesel



0122	Thread
J1789022-1	3/4"

## High Volume Auto Nozzle Petrol & Diesel



0122	Thread
J1789023-1	1"

## High Volume Auto Nozzle Petrol & Diesel



0122	Thread
J18312002-1	3/4"

## Addblue® Nozzles



## Manual Control Nozzle

0122
ZABN34



## Stainless Steel Automatic Nozzle

0122
ZFCNASS34



## Lever Action Barrel Pump

0122
ZPLP02

## Oil Guns



## Digital Hose End Oil Meter, BSPP

0122	Thread
OIL-M10C	1/2"



## Digital Preset Oil Gun

0122
J18133502

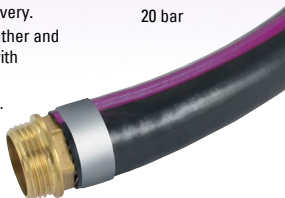
# FUEL DISPENSING HOSE AND GRAVITY HOSE KITS



## Rubber Alloy Dispensing Hoses

Oil resistant rubber alloy, suitable for use with diesel, air and water delivery.  
Cover: black, weather and ozone resistant with purple strip.  
Safety Factor: 3-1.

 **Maximum Working Pressure:**  
20 bar



### 3/4" BSPP Male/Male x 3/4" ID Replacement Hose

0225	Length Metres
RTDH-34-3	3
RTDH-34-4	4
RTDH-34-5	5
RTDH-34-6	6

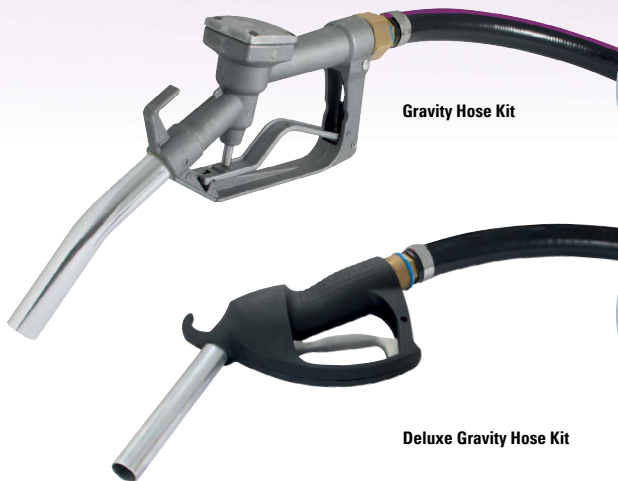
### 1" BSPP Male/Male x 1" ID Replacement Hose

0225	Length Metres
RTDH-1-3	3
RTDH-1-4	4
RTDH-1-5	5
RTDH-1-6	6
RTDH-1-8	8
RTDH-1-10	10
RTDH-1-12	12

### 1" BSPP Male/Male x 1" ID Super Flexible Deluxe Replacement Hose

0225	Length Metres
DRTDH-1-3	3
DRTDH-1-4	4
DRTDH-1-5	5
DRTDH-1-6	6
DRTDH-1-8	8
DRTDH-1-10	10
DRTDH-1-12	12

## Gravity Hose Kits




Gravity Hose Kit

Deluxe Gravity Hose Kit


 **Hose Info**  
**Maximum Working Pressure:**  
20 bar

Oil resistant rubber alloy, suitable for use with diesel, air and water delivery.  
Cover: black, weather and ozone resistant with purple strip.  
Safety Factor: 3-1

 **Nozzle Info.**  
**Maximum Working Pressure:**  
142 psi (10 bar)

**Maximum Flow:**  
150 L/min  
Manual trigger, suitable for use with diesel, biodiesel up to B100 and oils to SAE 90.

 **Working Temperature:**  
-20°C to +60°C

 **Maximum Working Pressure:**  
58 psi (4 bar)

**Maximum Flow:**  
80 L/min  
Manual trigger, suitable for use with diesel.

### 1" BSPP Male/Male x 1" ID Deluxe Gravity Hose Kits

0225	Length Metres
DASS-RTDH-1-3	3
DASS-RTDH-1-4	4
DASS-RTDH-1-5	5
DASS-RTDH-1-6	6
DASS-RTDH-1-8	8
DASS-RTDH-1-10	10
DASS-RTDH-1-12	12
DASS-RTDH-1-15	15

### 1" BSPP Male/Male x 1" ID Gravity Hose Kits

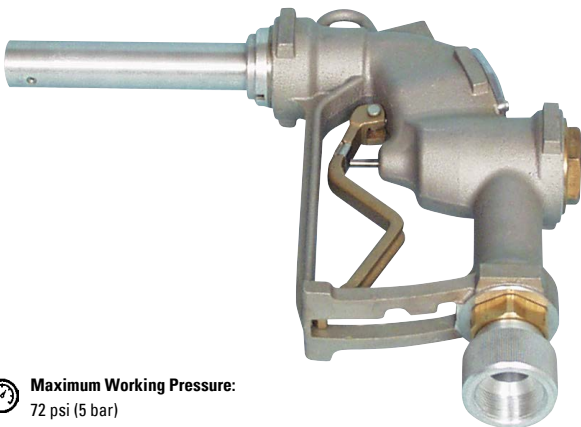
0225	Length Metres
ASS-RTDH-1-3	3
ASS-RTDH-1-4	4
ASS-RTDH-1-5	5
ASS-RTDH-1-6	6
ASS-RTDH-1-8	8
ASS-RTDH-1-10	10
ASS-RTDH-1-12	12
ASS-RTDH-1-15	15




Ultra High Speed Auto Nozzle

- Only suitable with diesel or biodiesel up to B30.
- Automatically shuts-off the flow of fuel when vehicle tank is full
- Ideal for refuelling very large vehicles and heavy plant equipment
- Cast aluminium body
- 3 position stay open latch
- Complete with 1.1/2" BSPF swivel inlet

**Maximum Flow:** 250 L/min.  
**For use with electric pumps only**



 **Maximum Working Pressure:**  
72 psi (5 bar)

BSPP

0225	Thread	LPM
NOZA.250S	1.1/2"	250

Oil Guns



Semi Automatic Tip



**Digital Oil Gun with Rigid & Flexible Hose, BSPP**

0122	Thread
JDA-01	1/2"

Tech Sheet 2054

Semi Automatic Tip



**Manual Oil Gun with Flexible Hose, BSPP**

0122	Thread
JA-01	1/2"

Tech Sheet 2055

Manual Tip



**Manual Oil Gun with Rigid Tube, BSPP**

0122	Thread
JM-01	1/2"

Trigger Gun with Electronic In-line Flow Meter

Manual trigger nozzle for use with diesel gasoline, B100 biodiesel and oils to SAE 90.

**Flow Meter**

**Technical Data**

**Material:** Aluminium

**Seal Material:** Viton and fluorinated silicone rubber



1" BSPP Trigger Gun & Flow Meter

0225	Thread	Max Pressure Bar	LPM
CD-0G01	1"	20	10-60

Tech Sheet 60124





# FUELLING EQUIPMENT, DRUM & ADBLUE®

10



## Brass Drum Tap



### BSPP

0225	Thread
2019-9394	3/4"

## Drum Taps - Polyethylene

- Polyethylene drum taps can be used with a wide range of oils, acids and caustics
- Huge 2" version can be used with thick liquids
- BSPP male threads with sealing washer



### BSPP

0225	Thread	Description
DTJ	2"	Full Bore Drum Tap
DT3P	3/4"	Drum Tap

## Drum Wrenches



### Aluminium

0225
DW-ALUMINIUM

## Adblue® Hose

- Suitable with Adblue® and antifreeze
- PVC, polyester braided
- For suction or delivery

### Specification:

BS EN ISO 6224/2001,  
BS EN ISO 5774/2008

- Bore 19mm

**Maximum Working Pressure:**  
7 bar



### 3/4" Adblue® Delivery Hose (Hose only)

0225	Length Metres
ABH.4.3/4	4
ABH.6.3/4	6

## Adblue® Manual Nozzle

- Suitable for use with Adblue®
- Inlet 3/4" hose tail
- Spout Diameter (OD) 18.8mm
- Wetted components: (Nylon 6, 30% glass filled), stainless steel, viton
- Can be used with gravity feed or electric pumps
- Integral hook for tidy storage when not in use

**Maximum Flow:** 80 L/min

**Maximum Working Pressure**  
5 bar

**Maximum Working Temperature:**  
+60°C



**Adblue®**

0225	LPM
NOZ-MAB	80
Tech Sheet 20032	

## Lever Hand Pump & Accessories

- Suitable for use with Adblue® and other water-based fluids, antifreeze, windscreen washer fluid, herbicide, pesticides, insecticides and fertilizers.
- Wetted components polyacetal, polypropylene, polyethylene, viton
- Capable of up to 500ml per stroke
- 2" BSPM drum adaptor
- 2 piece suction pipe with one part telescopic (extends to 98cm)
- 2m x 3/4" outlet hose (flexible corrugated PVC hose)
- Temperature range: +5°C (23°F) to +45°C (115°F)
- Option (AD.HPG0) Trisure/Valorex container adaptor



**Adblue®**

0225
AB.HPPK
Tech Sheet 20031

## IBC Pump Kit

- Intermediate bulk container (IBC) side mounted, easy to use pump kit
- Suitable with Adblue®
- Capable of up to 25 L/min
- Manual Adblue® nozzle with stainless steel tip
- 1.5 metre flexible suction hose with CDS connector
- 4 metre outlet hose

MSS.AB

J10302504

**Adblue®**



0225	Nozzle
MSS.AB	Manual
J10302504	Auto
Tech Sheet 20030	

**Adblue®**

Adblue® is a water-based chemical solution that is required for some commercial vehicles to help reduce pollution and comply to the Euro 4/5 directive.

Adblue® consumption is 5% of diesel, so for every one hundred litres of diesel, 5 litres of Adblue® is used.

**You must not** use a normal fuel pump to dispense Adblue®.

Fuelling & Lubrication




INDUSTRIAL

## Swivel Hose Fittings

Greatly eases handling and reduces hose wear and kinking.

All have parallel threads except (SWIV.15A) which has a taper male and parallel Female.

 **Maximum Working Pressure:**  
87 psi (6 bar)



0225	Female Thread	Male Thread
SWIV.3A	3/4"	3/4"
SWIV.13A	1"	3/4"
SWIV.31A	3/4"	1"
SWIV.1A	1"	1"
SWIV.15A	1.1/2"	1.1/2"

## Jointing Compound

General purpose jointing and thread sealing compound. Recommended for diesel, oil, water and steam.

**NOT** suitable with ethanol.

Fully waterproof and MOD approved.

250ml screw top tins with brush applicator.  
500ml tins without brush applicator.



0225	Millilitres
HELD	250
HELD.500	500

## Fuel Lockout Valve



## BSPP


0225	Thread
FLV-1	1"

## Goodyear Softwall Diesel Hoses

- Only suitable with diesel or biodiesel up to B30.
- Ideal for use on economy fuel dispensers.
- Machine swaged ends for long life.
- Electrically bonded.
- 3/4" or 1" BSPT male ends.

**Not steel braided.**

**Not suitable for use with petrol.**

 **Maximum Working Pressure:**  
50 psi (3.5 bar)




## BSPT

0225	Length Metres	Thread
CH4.19	4	3/4"
CH6.19	6	3/4"
CH4.25	4	1"
CH6.25	6	1"

## Goodyear Steel Braided Hoses

- Suitable with petrol, diesel, biodiesel up to B100 and ethanol.
- Tested and approved to EN1360 (Supersedes BS3395)
- BSP parallel zinc plated "swaged for life" end fittings.
- Smooth wipe clean covering.
- Excellent fuel and weather resistance.
- Steel braiding provides excellent protection against vandalism and the theft of nozzles by cutting through the hoses.
- Can be used with ethanol blended fuels.

 **Maximum Working Pressure:**  
230 psi (15.8 bar)




## BSPP

0225	Length Metres	Thread
PH12.3/4	3.66	3/4"
PH20.3/4	6.1	3/4"
PH12.1	3.66	1"
PH20.1	6.1	1"

## Gravity Dispensing Hose

Gravity dispensing hoses 25mm (1") bore, excellent flexibility to ease handling and strong enough to resist kinking. Supplied with 1" BSPT male end fittings are machine banded on to the hose.

 **Maximum Temperature:**  
-15°C to +60°C

 **Maximum Working Pressure:**  
43.5 psi



## 1" BSPT

0225	Length Metres
GDH-4	4
GDH-5	5
GDH-6	6


Tech Sheet 1173

## Gravity Fuel Kits

- Only suitable with diesel or biodiesel up to B30.
- Provides simple and quick diesel dispensing from gravity tanks.

**Kit includes:** hose, valve, nozzle and PTFE tape.  
25mm bore delivery hose.

 **Working Temperature:**  
-25°C to +45°C

 **Maximum Working Pressure:**  
50 psi (3.5 bar)



## For use with Diesel/Gasoil

0225	Length Metres
2019-9337	3
2019-9360	5

Tech Sheet 1170

# FUELLING EQUIPMENT & ACCESSORIES

10



## Fuelling Meters

- Only suitable for use with diesel or biodiesel up to B30.
- Robust nutating disc flow meter shows up to 9999 litres.
- 20 - 76L/min. 1" BSPF ports.
- Aluminium housing.
- 4 digit register. 8 digit non resettable totaliser.
- Front face can be rotated in 90° increments.

**Accuracy:** +/-2%  
(with adjustable calibration)  
**Operating Range:** 20 - 76 L/min

**Maximum Working Pressure:**  
50 psi (3.5 bar)



### Flow Meter without Strainer, BSPP

0225	Thread
FM4	1"

### Strainer/Filter for FM4 Flow Meter

0225
KMF

- Only suitable for use with diesel or biodiesel up to B30.
- Robust nutating disc flow meter shows up to 999 litres.
- 19-75 L/min. 1" BSPF ports.
- Accuracy of +/- 2% with adjustable calibration.
- Aluminium housing and cover.
- 3 digit register. 6 digit non resettable totaliser.
- Front face can be rotated in 90° increments.

**Accuracy:** +/-2%  
**Operating Range:** 19-75 L/min

**Maximum Working Pressure:**  
50 psi (3.5 bar)



### Without Strainer, BSP Female

0225	Thread
807CL	1"

Tech Sheet 1168

### With Strainer, BSPP

0225	Thread
2019-9402	1"

Tech Sheet 1168

This mechanical fuel meter has a flow rate of 20-120 L/min, with a resettable 4 digit totaliser, and a non-resettable 8 digit totaliser, which registers up to 9,999,999.9 Litres.

#### Features:

- Aluminium metering chamber with polybutylene nutating disk.
- 1" inlet/outlet
- Accuracy +/-1%

**Maximum Working Pressure:**  
3.5 bar



### 8 Digit Non-resettable

0122
J1581400

Tech Sheet 2141

#### Features:

Measures diesel, kerosene and petrol.  
Oval gear design.  
Low pressure drop allows for gravity and pump (in-line) applications.  
Supplied with a wire mesh strainer.



Conditions apply.



### 6 Digit Non-resettable

0122
DM100

Tech Sheet 60368

High-pressure positive displacement meter suitable for in-line and end of line applications. Recommended use with oils that has a viscosity up to 5000 cSt, diesel and bio-diesel

**Working Temperature:**  
-10°C to +65°C

**Maximum Working Pressure:**  
70 bar



### Digital

0122	Thread	LPM	Max Pressure Bar
ZOM20	1/2"	30	70

Tech Sheet 60367

## Digital In-line Turbine Flow Meters

LCD display shows up to 99999, totaliser 999999. 6 to 120 L/min, 1" BSPF ports. Max pressure: 145 psi (10 bar). Accuracy: +/- 1%. Polypropylene turbine. Designed to fit in line with the delivery hose or pipework. Front can be rotated in 90° increments.



### For Diesel & Water

0225
K24

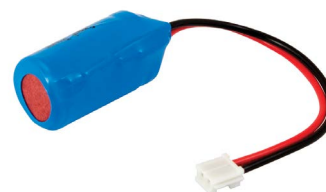
Tech Sheet 10554



### For Adblue®

0225
K24.AB

Tech Sheet 10555



### Replacement Battery

0225	To Suit
K24.BATTERY	K24 & K24.AB

## Electronic In-line Flow Meters

**Material:** Aluminium  
Seal material viton and fluorinated silicone rubber



### Female Thread, BSPP

0225	Thread	Max Pressure Bar	M³/HR
CD-OG01-1	1"	20	200

Fuelling & Lubrication



INDUSTRIAL



FUELLING FILTRATION

Fuel Bowl Filters

Fully interchangeable with Goldenrod filter elements.  
Disposable filter elements.  
Fitted with bottom drain plug.  
Filter available to remove particle contamination only at 10 micron or particle and water contamination at 15 micron.



BSPP

0225	Thread	Description
FFILT.KIT	1"	Fuel Filter Kit, Particles
FFILT.KITW	1"	Fuel Filter Kit, Water
FFILT.EL	-	Spare Particle Elements
FFILT.ELW	-	Spare Water Elements

In-line Fuel Filter Elements



Paper Filter, 6mm OD

0225
25-200

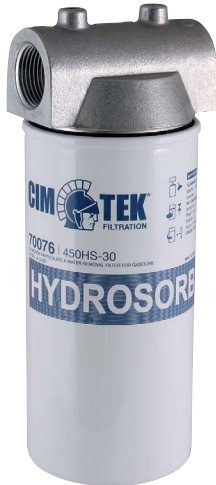


Paper Filter, 9mm OD Barb

0225
25-201

Fuel Filter Kit

Only suitable with diesel or biodiesel up to B30.  
Fits on outlet side only. 1" BSPF ports.  
Cast aluminium head with see through polycarbonate bowl.  
Gravity flow max. 45 L/min.  
Pump flow max. 100 L/min.  
Fitted with bottom plug for draining water.  
Removes particles and water



BSPP

0225	Thread	Description
HYD.GK	1"	Head & Element
HYD.ELG	-	Spare Element
HYDRA.HSHD	-	Spare Head

Portable Filtration & Transfer Unit

The ideal tool for decontaminating oil by removing suspended particles. The filtering unit is composed of a volumetric vane pump that extracts the oil to be purified, sending it through a high-filtering capacity cartridge filter that removes the impurities.

Suitable for use with oils up to SAE90.

230V transfer pump  
Complete with suction and outlet hose.

Maximum Flow:  
25 L/min



10 Micron

0225	Description
WO.DEP	Unit
WO.DEPP	Spare Element



Nylon Filter, 9mm OD Barb

0225
25-202



Nylon Filter, 8mm OD

0225
25-204



Nylon Filter, Elbow 8mm OD

0225
25-203



# FAG FILTERS

## Diesel Oil Filters - Series 20100-20150

Maximum Working Pressure:  
1 bar



### Aluminium, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20103/AL-100UM	1/4"	100	48
20101/AL-100UM	3/8"	100	48
20103AL4-44UM	1/4"	44	48
20101AL4-44UM	3/8"	44	48
20103CAL-15UM	1/4"	15	228
20101CAL-15UM	3/8"	15	228
20153/AL-100UM	1/4"	100	24
20151/AL-100UM	3/8"	100	24

Maximum Working Pressure:  
1 bar



### Plastic Standard Tenite Bowl, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20103/PL-100UM	1/4"	100	48
20101/PL-100UM	3/8"	100	48
20103PL4-44UM	1/4"	44	48
20101PL4-44UM	3/8"	44	48
20103CPL-15UM	1/4"	15	228
20101CPL-15UM	3/8"	15	228
20153/PL-100UM	1/4"	100	24
20151/PL-100UM	3/8"	100	24

Maximum Working Pressure:  
1 bar



### Plastic Superior Metocene Bowl, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20103/PE-100UM	1/4"	100	48
20101/PE-100UM	3/8"	100	48
20103CPE-15UM	1/4"	15	228
20101CPE-15UM	3/8"	15	228
20153/PE-100UM	1/4"	100	24
20151/PE-100UM	3/8"	100	24

## Diesel Oil Filters - Series 20200

Maximum Working Pressure:  
2 bar



### Aluminium, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20201/AL-100UM	3/8"	100	105
20202/AL-100UM	1/2"	100	105
20201AL4-44UM	3/8"	44	105
20202AL4-44UM	1/2"	44	105
20201CAL-15UM	3/8"	15	235
20202CAL-15UM	1/2"	15	235

Maximum Working Pressure:  
1 bar



### Plastic Standard Tenite Bowl, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20201/PL-100UM	3/8"	100	105
20202/PL-100UM	1/2"	100	105
20201PL4-44UM	3/8"	44	105
20202PL4-44UM	1/2"	44	105
20201CPL-15UM	3/8"	15	235
20202CPL-15UM	1/2"	15	235

## Diesel Oil Filters - Series 20210

Maximum Working Pressure:  
1 bar



### Plastic Standard Tenite Bowl with Water Drain Valve, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20211/PL-100UM	3/8"	100	105
20212/PL-100UM	1/2"	100	105
20211PL4-44UM	3/8"	44	105
20212PL4-44UM	1/2"	44	105
20211CPL-15UM	3/8"	15	235
20212CPL-15UM	1/2"	15	235

## Diesel Oil Filters with Cock & Check Valve - Series 20250

Maximum Working Pressure:  
2 bar



### Aluminium, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20250/AL-100UM	3/8"	100	105
20250AL4-44UM	3/8"	44	105
20250CAL-15UM	3/8"	15	235

Maximum Working Pressure:  
1 bar




### Plastic Standard Tenite Bowl, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20250/PL-100UM	3/8"	100	105
20250PL4-44UM	3/8"	44	105
20250CPL-15UM	3/8"	15	235

Please note: Oil viton seal filters are available upon request.


## Diesel Oil Filters with Cock - Series 20230

 **Maximum Working Pressure:**  
2 bar



### Aluminium, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20231/AL-100UM	3/8"	100	105
20232/AL-100UM	1/2"	100	105
20231/AL4-44UM	3/8"	44	105
20232/AL4-44UM	1/2"	44	105
20231/CAL-15UM	3/8"	15	235
20232/CAL-15UM	1/2"	15	235

 **Maximum Working Pressure:**  
1 bar




### Plastic Standard Tenite Bowl, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20231/PL-100UM	3/8"	100	105
20231/PL4-44UM	3/8"	44	105
20232/PL4-44UM	1/2"	44	105
20231/CPL-15UM	3/8"	15	235
20232/CPL-15UM	1/2"	15	235

## Fuel Oil Filters - Series 20300-20350

Cover and bowl made out of aluminium.

 **Maximum Working Pressure:**  
2 bar



### Without Heating Element, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20306/10-100UM	1/2"	100	300
20306/20-200UM	1/2"	200	300
20306/30-300UM	1/2"	300	530
20304/10-100UM	3/4"	100	300
20304/20-200UM	3/4"	200	300
20304/30-300UM	3/4"	300	530
20301/10-100UM	1"	100	300
20301/20-200UM	1"	200	300
20301/30-300UM	1"	300	530

Cover and bowl made out of aluminium.

Heating element PTC 20351/03 T150°C - 230 Volts.

 **Maximum Working Pressure:**  
2 bar



### With Heating Element, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20356/10-100UM	1/2"	100	300
20356/20-200UM	1/2"	200	300
20356/30-300UM	1/2"	300	530
20354/10-100UM	3/4"	100	300
20354/30-300UM	3/4"	300	500
20351/10-100UM	1"	100	300
20351/20-200UM	1"	200	300
20351/30-300UM	1"	300	500

## Diesel Oil Filters & Fuel Oil Filters - Series 20220


 **Maximum Working Pressure:**  
2 bar



### With Heating Element, BSPP

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20221-100UM	3/8"	100	105
20222-100UM	1/2"	100	105

## Fuel Oil Filters - Series 20400-20450

 **Maximum Working Pressure:**  
2 bar



### Without Heating Element

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20401/10-100UM	1"	100	670
20401/20-200UM	1"	200	670
20401/30-300UM	1"	300	1130
20402/10-100UM	1.1/4"	100	670
20402/20-200UM	1.1/4"	200	670
20402/30-300UM	1.1/4"	300	1130
20403/10-100UM	1.1/2"	100	670
20403/20-200UM	1.1/2"	200	670
20403/30-300UM	1.1/2"	300	1130

 **Maximum Working Pressure:**  
2 bar



### With Heating Element

0270	Thread	Micron Rating	Filter Surface Area cm <sup>2</sup>
20451/10-100UM	1"	100	670
20453/10-100UM	1.1/4"	100	670
20453/20-200UM	1.1/4"	200	670
20453/30-300UM	1.1/4"	300	1130
20452/20-200UM	1.1/2"	200	670
20452/30-300UM	1.1/2"	300	1130



# FAG FILTERS

## Oil Filter Spare Cartridges



### To suit Series 20150

0270	Material	Type	Micron Rating
20151/C1-100	Stainless Steel	Smooth	100



### To suit Series 20100

0270	Material	Type	Micron Rating
20101/C1-100	Stainless Steel	Pleated	100
20101/C4-44	Stainless Steel	Pleated	44
20101CC5	Paper	-	15



### To suit Series 20200

0270	Material	Type	Micron Rating
20201/C1-100	Stainless Steel	Pleated	100
20201/C4-44	Stainless Steel	Pleated	44
20201CC5-15	Stainless Steel	Pleated	15



### To suit Series 20300-20350

0270	Material	Micron Rating
20301/C1-100	Stainless Steel	100
20301/C2-200	Stainless Steel	200
20301/C3-300	Galvanized Iron	300



### To suit Series 20400-20450

0270	Material	Micron Rating
20401/C1-100	Stainless Steel	100
20401/C2-200	Stainless Steel	200
20401/C3-300	Galvanized Iron	300

## Electrical Heater



0270	Material	Voltage	Micron Rating
20351/03	100	230V/50Hz	220
20451/01	300	230V/50Hz	200



0270	To Suit
SET20100	Series 20100
SET20200	Series 20200
SET20250	Series 20250
SET20300	Series 20300
SET20400	Series 20400





Fuel Filters & Elements



Fuel Filter

0225	Micron
ZFFL02B	10



Water Block Fuel Filter Element

0225	Micron
ZFEWB	10



Fuel Filter Spin On Cartridge

0225	Micron
ZFFS10BSP	10



Replacement Fuel Filter Element

0225	Micron
ZFE10	10



Piston Oil Pump

With 1.5m outlet hose, anti-drip 13mm 90° spout, nozzle storage facility. Designed to fit awkward access filler points. 2" BSPP male thread, pumps on down stroke.



0225	To Suit
J9023SE	20 & 25 Litre Drums

Gear Oil Bucket Pump

With fully reversible hand rotary pump, clear PVC hose and nozzle. 10.5L approx. Robust steel base with hard powder coat finish as standard. Delivers and retrieves.



0225	Volume Litres
A6000SE	10.5

Syphon Pump



0225	To Suit
J2653	205 Litre Barrels

Z Swivel

- 1/4" BSPP Male and female



BSPP

0225	Thread
M8090	1/4"

Lockable Drum Taps



3/4" BSPP

0225
J4175

- All metal



Self Closing, 3/4" BSPP

0225
J4177

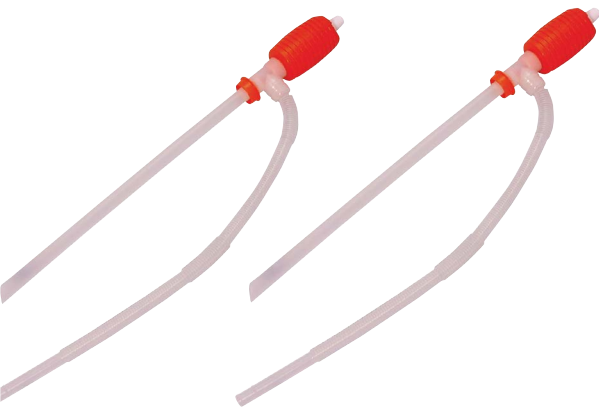


# BARREL PUMPS



## Manual Syphon Pumps

- Suitable for pumping most liquids: acids, alkalines, antifreeze, de-greaser, distilled water, diesel, biodiesel B100, light oils and solvents.
  - Includes delivery hose and suction pipe.
- HPS25** fits 5-25L containers, delivery hose 534mm (21”), suction 380mm (15”).
- HPS205** fits 205L container, thread 2” BSPM, delivers 30 L/min, delivery hose 1295mm (51”), suction 850mm (33.1/2”).



### Drum Pumps

0225	To Suit
HPS25	5-25 Litre Drum
HPS205	205 Litre Drum

## Battery Operated Syphon Pump

- Unique battery operated pump (2 x D size batteries not supplied).
  - Suitable for pumping most liquids: acids, alkalines, antifreeze, de-greaser, distilled water, diesel/gas oil, light oils and solvents.
- Flow Rate:** 8-10 L/min.
- Suction Tube:** 375mm (15”).
- Discharge Tube:** 660mm (26”).
- Total Length:** 675mm (27”).



### Drum Pump

0225	LPM
HPSB	8-10

## Lever Barrel Pumps

- Suitable for diesel, biodiesel up to B30 or oils to SAE 90.
  - Metal lever action drum pump.
  - Capable of up to 20 L/min. 2” BSPM drum adaptor.
  - Telescopic suction pipe.
- Note:** pumping speed 20 L/min



0225
2019-9386
Tech Sheet 1171

## Urchin Diaphragm Pump

- Suitable for clean or dirty diesel, water and oils to SAE 90
  - Pumps dirty and contaminated liquids with up to 10mm solids
  - Made from glass filled polypropylene complete with nitrile seals
  - Hose tails accept both 1” and 1.1/2” hoses
- Flow Rate:** 47 L/min for 1”  
68 L/min for 1.1/2”



0225
HPW
Tech Sheet 20034



# ROTARY PUMPS & DIAPHRAGM

## Rotary Barrel Pumps

A robust cast iron rotary barrel pump capable of up to 25 L/min for dispensing fuel or oils. Supplied complete with 1 metre sectioned metal suction pipe and 2" BSP barrel adaptor.



### Cast Iron

0225
2042-5658
Tech Sheet 1172

Suitable with most chemicals and acid based products. PVC construction with PTFE vanes and Hastelloy springs. 3 piece suction pipe. Capable of up to 25 L/min.



### PVC Rotary Hand Pump

0225
MSSPVC

## Semi Rotary Pumps

Suitable with diesel, light oils and water. Semi rotary double acting. Cast iron body with brass internals. Flanged inline threaded ports.

### Choose from:

- 1/2" K0 version
- 3/4" K1 version
- 1" K2 version
- 1.1/2" K5 version

**Note:** never mount horizontally.



### Semi Rotary Hand Pumps

0121	Size	Thread
SEMI0	0	1/2"
SEMI1	1	3/4"
SEMI2	2	1"
SEMI3	3	1.1/4"

Kit fits into 2" socket, for use on 205 litre drums and tanks up to 1.5m deep.

- 1" semi-rotary hand pump
- Manual nozzle
- Tank/pump connector
- 4m x 3/4" outlet hose



### Semi Rotary Pump Kit

0121	Description
SRG2A.KIT	1" BSP Hand Pump Kit

## Diaphragm



### Wickham No. 3 Diaphragm

0121
DIAPHRAGMW3





### Gear Oil Pump

- Suitable with high viscosity oils, ideal for filling gear boxes.
- Polypropylene pump, mild steel piston and nitrile seals.
- Dispenses approximately 100ml per stroke.
- Has a 1.5m outlet hose with spout.
- Spout can be drained by locating back into pump body.
- Supplied with two adaptors as standard: One fits most 25L external Plysu threads (60mm dia). The other fits most 25L Trisure/Valorex thread (56mm dia).

**Option:** Universal adaptor, locks onto any external thread that is less than 61mm dia.



0225	Description
HPGO	Pump
ADAPT.UNI.L	Adaptor

### Oil Suction Gun

For getting oil in/out of gearboxes, transfer cases and differentials.

- Suitable for use with non corrosive liquids.
- Capacity 500cc with 300mm PVC hose.
- Deluxe lip seal provides maximum suction.
- Steel barrel in premium powder coated finish.
- Fully serviceable.
- No priming required.



0225	
OSG	

### Liquid Suction/Extraction Units

Novel device that both sucks and stores extracted liquids. Suitable for fuels, water, oils and many other liquids.

**Removes:** Oil from vehicles, lawn mowers, motorbikes, hydraulic reservoirs without draining, simply insert the suction pipes in the dipstick hole. Water from banded fuel tank cabinets, fish tanks, bilges and otherwise inaccessible areas. Fuel spillages from banded tanks/fill point cabinets.

- Can even suck up surface puddles.
- Prime the handle and watch it work.
- Supplied with suction probes to fit most applications.
- Lightweight and portable. 17 litre version has castors.
- When full, remove top plug to pour out the contents.



#### Suction/Extraction Units

0225	Capacity Litres
HP.SUC2	2.7
HP.SUC6	6
HP.SUC17	17

Same as 6 litre capacity version (HP.SUC6) but can also empty it's own tank as is bi-directional. Automatically fills (sucks) and empties (discharge).

Prime the handle and watch it work. (May need to prime handle again when discharging).

**Sucks up 6 litres of water in 2.1/2 mins and empties in the same time.**



#### Suction/Extraction/Discharge Unit

0225	Capacity Litres
HP.SUC6B	6



#### Features:

- Pumps diesel, petrol, kerosene and lubricating oils up to SAE 30.
- Designed to fit 205 litre (55 US gal) or 60 litre (16 US gal) drums.
- Ideal for high volume aviation transfer fuel.
- Pumps easily in both directions.
- Supplied with a 2.4m (8ft) antistatic rubber delivery hose and nozzle and 1050mm (3.5ft) two piece threaded suction tube.
- Lockable handle and built in nozzle holder.
- In-built strainer.
- 50mm (2") adjustable bung adaptor.
- Output: up to 100 litres (26 US gal) per minute or 1 litre (1 quart) per rotation.
- Outlet port: 25mm (1").

#### GP Rapid-Flo

0122
GP-RAPIDFLO





# ELECTRICAL TRANSFER PUMPS

## 12V Submersible Transfer Pump

- Only suitable with diesel, biodiesel B30 and water to 80°C.
- Maximum Flow: 18 L/min. Length 145mm, diameter 47.5mm.
- 12V centrifugal submersible pump.
- 3m outlet hose (1/2"). (500 hour life expectancy).
- 4m long battery cable and clips. Weight 0.6kgs.
- Continuously rated for periods up to 1 hour.

### NOTE:

DO NOT RUN DRY



### Maximum Working Pressure:

15 psi (1 bar)



0225	Voltage	LPM
12SP18	12V	18

## Electric Oil Transfer Pump

Designed for pumping and transferring all grades of oils up to SAE 90. Suitable for lubricating oils, hydraulic oils, gear oils etc. Complete with on/off switch and internal bypass, it has 3/4" BSPF threaded ports and is also supplied with a pair of 1" hose tails. Pumping rate depends on grade of oil and temperature.

- IP55 rated

2033-5279



VISCO.110



0225	Voltage
2033-5279	230V
VISCO.110	110V
Tech Sheet 1174	

## On-demand Diaphragm Pumps

- Only suitable for use with agricultural chemicals or water
- For spraying and transferring liquids
- With pressure switch and fittings
- Self priming to 2m
- EPDM diaphragm
- 1/2" and 3/4" barb plug-in ports



### 12V

0225	Description
DP12.4	4L/min, 35 psi (2.4 bar)
DP12.17	17L/min, 40 psi (2.8 bar)

## Portable Pump Kits

- Only suitable with diesel or biodiesel up to B30.
- Choice of 12V or 24V.
- 40 L/min pumping speed.
- Sturdy steel case complete with carry handle
- On/off switch and bypass valve.
- 2 metre long battery lead and crocodile clips.
- 6 metre of suction/delivery hose.
- Suction foot valve and strainer must be fitted or warranty is void.

Maximum Run Time: 30 mins.



### Manual, BSPP

0225	Thread	Voltage
12PA.KIT1C	1"	12V
24PA.KIT1C	1"	24V

## Professional Battery Diesel Pump Kits

- For use with diesel, empties a 205L drum in 5 mins.
- 40 L/min. 4m battery lead with crocodile clips.
- Carry handle, on/off switch, bypass valve.
- Suction/delivery hose 6 metre in total.
- Aluminium nozzle with hose swivel.
- Complete kit for barrel/portable transfer.

Maximum Run Time: 30 mins.



0225	Voltage	LPM
12PA.KIT1B	12V	40
24PA.KIT1B	24V	40

## High Speed Battery Diesel Pump Kits

- Only suitable with diesel or biodiesel up to B30.
- Maximum Flow: 70 L/min. 12V.
- 1" BSPF inlet and outlet flanges.
- Direct drive vane pumping unit with bypass valve.
- Switch, 4m long battery cable and crocodile clips.
- Weatherproof for outdoor use.
- Maximum run time: 30 mins.
- Kit includes 7m suction/delivery hose, foot valve and strainer.
- Choose manual or automatic nozzle kit.



0225	Nozzle
12BIKIT	Manual
12BIKIT2	Automatic

## Battery Transfer Pumps

- Only suitable with diesel or biodiesel up to B30.
- Ideal for mounting into plant equipment, excavators etc.
- Maximum Flow: 40 L/min.
- 3/4" BSPF ports.
- Choose 12V or 24V.
- Direct drive vane pumping unit with bypass valve.
- Foot mounting plate.
- Weatherproof to IP54 for outdoor use.
- Complete with switch, carry handle.
- 4m long battery cable and crocodile clips.

Maximum Run Time: 30 mins.



0225	Voltage
12PA.BARE	12V
24PA.BARE	24V





# ELECTRICAL TRANSFER PUMPS

## Professional Diesel Transfer Pumps

Only suitable with diesel or biodiesel up to B30. Pumping speeds 50, 80 or 100 L/min. 230V or 110V. Direct drive, self priming, vane pumping units. 1" BSPF ports. Switch and 2m long mains cable. Integral filter and bypass. Weatherproof to IP55 for outdoor use. Continuously rated motor with thermal cut out. Full range of spares available.



0225	Voltage	LPM
SPT60A	230V	50
SPT70K-110	110V	50
SPT80A	230V	80
SPT80K-110	110V	80
SPT100A	230V	100
SPT100K-110	110V	110

## 230V Professional Diesel Pump Kit

Only suitable with diesel or biodiesel up to B30. Manual operated on/off switch. Pumping speeds choose 45 or 75 L/min option. Meter accuracy of +/- 2%. 4 digit resettable register. 8 digit non resettable totaliser. Weatherproof to IP55. Integral filter and bypass valve. 230V continuously rated motor with thermal cut out. 4m delivery hose. Choose manual or automatic nozzle options. Self priming pump unit. Dimensions 300mm H x 350mm W x 500mm D (including nozzle).  
**45 Litres per Minute:** Ideal to fill cars/vans vehicles with small fuel tanks.  
**75 Litres per Minute:** Ideal to fill vehicles with large fuel tanks.



### 45 Litres per Minute

0225	Nozzle
ECON45.MAN	Manual
ECON45	Automatic

### 75 Litres per Minute

0225	Nozzle
ECON75.MAN	Manual
ECON75	Automatic

## Battery Operated Fuel Pump

Ideal for mounting into plant equipment where space is limited. Steel foot mounting plant. 3/4" BSPF female inlet and outlet ports. Built in bypass.  
**Maximum run time:** 30 mins



### For use with Diesel/Gasoil

0225	Voltage	LPM
2033-5287	12V	40
2033-5303	24V	40
Tech Sheet 1169		

Fuelling & Lubrication



# AIR OPERATED TRANSFER PUMPS

## Polypropylene Air Operated Diaphragm Pump

1:1 ratio. Max operating pressure 116 psi/8 bar. Rugged Polypropylene body. Viton diaphragm. Maximum solids pumped = 3mm diameter. Air inlet 1/4". Suitable for Adblue® and antifreeze.



### BSPP

0225	Thread	LPM	Seal
ADP.60PV	3/4"	60	Viton

## Aluminium Air Operated Diaphragm Pump

1:1 ratio. Max operating pressure 116 psi/8 bar. Rugged aluminium body. Nitrile diaphragm. Maximum solids pumped = 3mm dia. Air inlet 1/4". 325mm H x 255mm W x 210mm D



### BSPP

0225	Thread	LPM	Seal
ADP.60AV	3/4"	60	Viton
ADP.90AN	1"	90	Nitrile
Tech Sheet 10578			

## Pneumatic Pumps



### Oil Pumps

0122	Ratio	Description
J100	01:01	940mm Suction Tube
J300S	03:01	270mm Suction Tube
J500S	05:01	270mm Suction Tube
Tech Sheet 2053		

INDUSTRIAL

Hand Operated Fuel Oil & Liquid Pumps



Lubeworks Lever Hand Pump Fuel Oil

0122	Description
J1703001	Lever Hand Pump



Lift Pump Polypropylene Fuel Oils

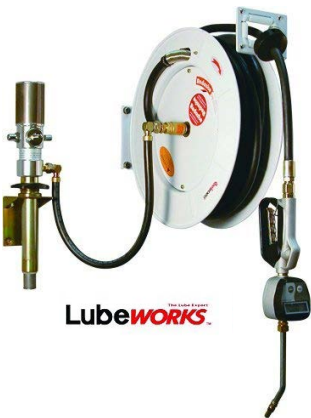
0122	Description
HPLP	Lift Pump

Pneumatic Oil Pumps & Dispensers



Pneumatic Oil Pump Kit

0122	Description
J100TDG	Oil Pump Kit



Wall Mounted Oil Dispensing Kit

0122	Description
C808MODK	Oil Dispensing Kit



Mobile Oil Dispenser

0122	Description
AOP.3T.HR.A	With Hose Reel



# WORKSHOP, POWER TOOLS, FUEL & LUBRICATION

**Redashe**

## Driven Fuel & Water Transfer Pumps



### Portable Fuel Transfer Pump Kit 12V & 24V

0122	Voltage
J10304022	12V
J10304024	24V



### Fuel Transfer Pump

0122	Description
J1500451	Transfer Pump



### Fully Enclosed Fuel Transfer Pump

0122	Description
J1500450	Transfer Pump



### Break Couplers for Fuel

0122	Size
ZBKV34N	3/4"
ZBKV01N	1"

## Hose Reels for Fuel



### Hose Reel for Oil

0122	Length Metres
HR015.12C	15



### Hose Reel for Diesel

0122	Length Metres
HR08.25	8



Oil Delivery

Mobile oil dispensing units suitable for dispensing oil at medium/high viscosity, for mobile installations and fixed systems at medium distances. The drum trolley allows the system to be moved around the workshop with ease, giving increased efficiency. All items are available separately or in kit form.



Oil Delivery System

0225	Description
JOS200	Oil Delivery System with Hose Reel
JOS100	Oil Delivery System without Hose Reel
C808-OKDD	Drum Mounted Oil Dispensing Kit
C808-OKMD	Drum Mounted Oil Dispensing Kit with Digital Gun
Tech Sheet 60363	

Pneumatic oil dispenser equipped with level gauge and delivery gun with flexible end. Works autonomously without the requirement of continuous connection to air supply.

 **Maximum Working Pressure:**  
10 bar



Oil Delivery System

0225	Capacity Litres	Max Pressure Bar
JPOD030	30	10
JPOD065	65	10
Tech Sheet 60364		

Self-contained oil pump supplied with a 16 litre (4.23 gallon) container with handle. Fitted with a 48" (4ft) fuel-resistant soft PVC hose with nozzle for clean discharge.

Features:

- 16 litre powder-coated container
- Variable handle setting for light or heavy fluids
- Recommended for transmission differentials and heavier oils
- Not suitable for water-based fluids or other corrosive media



Oil Delivery System

0225	Capacity Litres
ZOLP16	16
Tech Sheet 60365	

Oil Drum Transportation



Drum Trolleys

0225	To Suit
J1708001	12.5-50kg Drums
J1708003	205 Litre/180kg Drums
Tech Sheet 60362	







Funnels & Measures



Plastic Funnel

0225	Capacity Litres
ZFNL8	1.75
ZFNL9B	3



Flexible Spout Measure

0225	Capacity Litres
ZFSM1	1
ZFSM5	5

Oil Drain Pans



Oil Drain Pans

0225	Capacity Litres
OPAN6	6
OPAN14	14

Gravity Drainer



Waste Oil Drainer

0225
WODHL90C



# FLUID TRANSFER EQUIPMENT



## Vacuum Oil/Fluid Extractor

**Capacity:**  
6.5 Litres  
**Suction Probes:**  
Ø5.8 x 850mm,  
Ø6.7 x 850mm  
**Extension Tube:**  
Ø9.5 x 1000mm



0261  
TP69

Tech Sheet 1143

## Fluid Containers with Tap

Polyethylene fluid container with attached screw cap and tap for easy fluid control.



0261	Capacity Litres
WC10T	10
WC20T	20
WC35T	35

## Fluid Drain Pans

**Capacity:** 8 Litres  
**Approx. Diameter:** 365mm  
**Height:** 110mm



### Oil/Fluid Drain Pan, 8 Litre

0261  
DRP01

**Capacity:** 17 Litres  
**Approx. Diameter:** 460mm  
**Height:** 150mm



### Oil/Fluid Drain Pan, 17 Litre

0261  
DRP03

Tech Sheet 1144

**Capacity:** 17 Litres  
**Approx. Diameter:** 460mm  
**Height:** 150mm



### Antifreeze/Fluid Drain Pan, 17 Litre

0261  
DRP04

**Capacity:** 10 Litres  
**Size:** 570 x 320 x 125mm



### Oil/Fluid Drain & Recycle Container, 10 Litre

0261  
DRP07



**Redashe**

For Hose Reels  
see **Industrial Section 6**





Chemical Pressure Sprayer

Brake cleaner and chemical pressure sprayer.



0225	Capacity Millilitres
J0002	1000

Garage Funnel

12" (260 x 170) HDPE with universal filter box.



Garage Funnel Complete with Filter

0225
J8055/12SE

UK Type Funnels

HDPE Anti-Spill Funnel with filter and flexispout.



Complete with Strainer

0225	Size Inches
J8055/6	6
J8055/9	9



HDPE Flexispout oil measures

Complete with Measure & Flexible Spout

0225	Capacity Litres
J8057/1N	1
J8057/2N	2
J8057/3N	3
J8057/5N	5

R Grip

Single coil "R" grips with bright zinc plate finish.



Pack of 100

0225	Bore Size mm
J0787	2
J1181	3
J1373	3.5
J1574	4
J1968	5
J2362	6

Linch Pins

Linch pins with 3.5mm wire dia O-Ring. Bright zinc plate and gold passivate finish.



Linch Pins, Pack of 100

0225	Bore Size mm
J0250	6
J0312	8
J0437	11

Safety linch pin with O-Ring 54mm usable length.



Safety Linch Pins, Pack of 100

0225	Bore Size mm
J7502	9





# FOOT VALVES & STRAINERS

## Foot Valves



### Foot Valves, Hose Tail

0019	To Suit Hose ID
NFV-2	2"
NFV-3	3"
NFV-4	4"
NFV-6	6"



### Malleable Iron Foot Valves, BSPP

0019	Thread
FOOT150	1.1/2"
FOOT200	2"
FOOT250	2.1/2"
FOOT300	3"
FOOT400	4"
FOOT600	6"

## Strainers



### Foot Valve Strainer, Hose Tail

0019	To Suit Hose ID
FVS-112	1.1/2"
FVS-3	3"
FVS-4	4"



### Strainer - Hose Tail, Zinc Plated Steel

0121	To Suit Hose ID
TCSHT1	1"
TCSHT114	1.1/4"
TCSHT112	1.1/2"
TCSHT2	2"
TCSHT212	2.1/2"
TCSHT3	3"
TCSHT4	4"
TCSHT6	6"
TCSHT8	8"



### Strainer - Screwed Female BSPP, Zinc Plated Steel

0121	Thread
TCSBSP112	1.1/2"
TCSBSP2	2"
TCSBSP3	3"
TCSBSP4	4"



TANK GAUGES



Oil Level Gauge

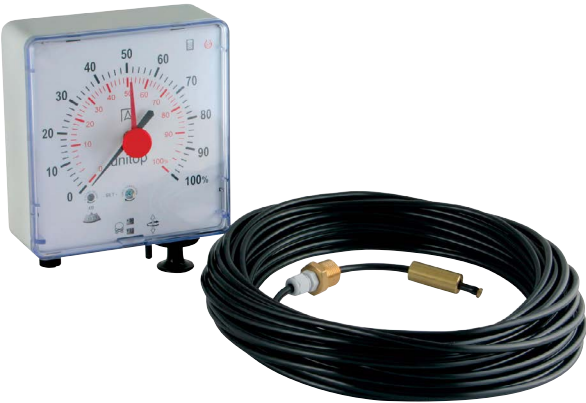
- Reads the oil level and sends the reading to an indoor receiver
- Suitable for use with heating oil and diesel
- Fits plastic tanks up to 3m deep. Easy to retrofit
- The transmitter needs a 20mm or 32mm hole on top of the tank
- No power required at the gauge, has a long-life lithium battery
- Comes with an electronic receiver that plugs into a 230V socket
- Receiver can be up to 200m away from the tank
- Tank level is displayed in ten graduations



0225	Length Metres
APOL1	3

Tank Gauge - Remote Reading

- Simple hydrostatic tank contents gauge
- Suitable for use with heating oil and diesel
- UNITOP suits tanks from 0.9m to 3.2m high
- Probe has 1/2" BSP male tank fitting
- Readout can be sited up to 20m away from the tank
- Shows percentage of full tank contents
- Calibrate on site to suit tank
- Pull the plunger and release to show tank contents



0225	Description
UNITOP	Rectangular/Cylinder Tanks

Tank Gauge - Float

- Suitable for diesel, heating oil, lube oils or water, antifreeze and biodiesel up to B100.
- Gauge provides a simple, rough indication of tank contents
- Shows EMPTY 1/4, 1/2, 3/4 or FULL
- Mounts directly into the top of tank
- Accuracy +/- 5%



0225	Thread	Length Metres
FG4E	1.1/2"	1.2
FG6E	1.1/2"	1.8





For **Nylon Tubing**  
see **Pneumatics Section 12**

KELM™ nylon products are produced in a state-of-the-art manufacturing facility. All products undergo rigorous testing to ensure the optimum life can be achieved from the end product. Tube can be produced to your special requirements with optional length, size, colour and branding available (minimum quantities and lead times will apply).

Please contact our Business Development Team for further information.



# MODULAR COOLANT HOSE SYSTEM

**Compatibility:**

Suitable for use with acetone, alcohol, ethyl, greases, oils, commercial dish detergents, gasoline, lacquer solvents and sodium hydroxide. Not for use with chlorine, acids, ammonium hydroxide, bases (strong), hypochlorite ion solutions or sodium hypochlorite.

**Material:** Polyoxymethylene (POM).

**Recommended Maximum Line Pressure:**  
20-30 psi.

**Recommended Maximum Flow Rate:**  
1,800 litres per hour.

**Interchangeable with:** Loc-Line.

 **Maximum Operating Temperature:** +76°C

Repeated exposure to this temperature will cause fatigue.

**Features:**

- Unique ball and socket design, fully hand-adjustable in both position and length
- Will not kink or fatigue; bending does not decrease the inside diameter
- Will not damage machine tool cutters if contact occurs, unlike metal hoses
- Electrically non-conductive; ideal for EDM flushing
- No internal positioning rod that can break or restrict fluid flow
- Stays in position; repeated positioning is easy
- Creep due to machine vibration is eliminated

## 1/4" Series



**Round Nozzles**

0518	Nozzle Hole Size
28015	1/16"
28016	1/8"
28017	1/4"
Tech Sheet 68071	



**Flat Nozzle**

0518	Nozzle Hole Size
28027	Size 60
Tech Sheet 68071	



**Swivel Nozzle**

0518	Nozzle Hole Size
28029	Size 40
Tech Sheet 68071	



**90° Round Nozzles**

0518	Nozzle Hole Size
28019	1/16"
28020	1/8"
28021	1/4"
Tech Sheet 68071	



**Flare Nozzle**

0518	Nozzle Hole Size
28028	1"
Tech Sheet 68071	



**Male Connectors, NPT**

0518	Thread
28032	1/8"
28033	1/4"
Tech Sheet 68071	



**90° Spray Bar Nozzle**

0518	Nozzle Hole Size
28022	Size 60
Tech Sheet 68071	



# MODULAR COOLANT HOSE SYSTEM



**Compatibility:**

Suitable for use with acetone, alcohol, ethyl, greases, oils, commercial dish detergents, gasoline, lacquer solvents and sodium hydroxide.  
Not for use with chlorine, acids, ammonium hydroxide, bases (strong), hypochlorite ion solutions or sodium hypochlorite.

**Material:** Polyoxymethylene (POM).

**Recommended Maximum Line Pressure:**  
20-30 psi.

**Recommended Maximum Flow Rate:**  
1,800 litres per hour.

**Interchangeable with:** Loc-Line.



**Maximum Operating Temperature:** +76°C

Repeated exposure to this temperature will cause fatigue.

## 1/4" Series



**Y Connector**

0518
28034
Tech Sheet 68071



**90° Elbow Connector**

0518
28035
Tech Sheet 68071



**Valve, In-line**

0518
28043
Tech Sheet 68071



**T Connector**

0518
28036
Tech Sheet 68071



**Valve, Tube x Male, NPT**

0518	Thread
28049	1/4"
Tech Sheet 68071	



**Check Valve, In-line**

0518
28051
Tech Sheet 68071



**End Cap**

0518
28038
Tech Sheet 68071



**Valve, Tube x Female, NPT**

0518	Thread
28050	1/4"
Tech Sheet 68071	



# MODULAR COOLANT HOSE SYSTEM

## Compatibility:

Suitable for use with acetone, alcohol, ethyl, greases, oils, commercial dish detergents, gasoline, lacquer solvents and sodium hydroxide. Not for use with chlorine, acids, ammonium hydroxide, bases (strong), hypochlorite ion solutions or sodium hypochlorite.

**Material:** Polyoxymethylene (POM).

**Recommended Maximum Line Pressure:**  
20-30 psi.

**Recommended Maximum Flow Rate:**  
1,800 litres per hour.

**Interchangeable with:** Loc-Line.



**Maximum Operating Temperature:** +76°C

Repeated exposure to this temperature will cause fatigue.

## 1/4" Series



### Extended Element

0518	Length mm
28011	90
Tech Sheet 68071	



### Hose Only Kit

0518	Quantity	Length mm
XS2001	4	150
Tech Sheet 68071		



### Hose Assembly Pliers

0518
28008
Tech Sheet 68071

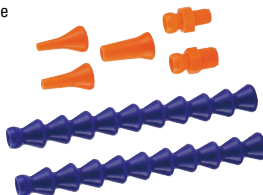


### Extended Element Clamp

0518
28042
Tech Sheet 68071

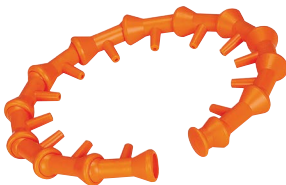
#### Contents:

- 1 x 1/8" NPT male connector
- 1 x 1/4" NPT female connector
- 1 x 1/16", 1/8" and 1/4" round nozzles
- 280mm hose



### Hose Kit

0518
28003
Tech Sheet 68071



### Circle Flow Nozzle Kit

0518	ID mm	Length mm
28013	92	446
Tech Sheet 68071		

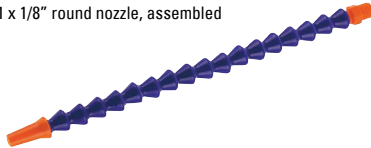


### Hose Coil

0518	Length Metres
28012	15.24
Tech Sheet 68071	

#### Contents:

- 1 x 1/4" NPT connector
- 1 x 1/8" round nozzle, assembled



### Hose Kit Assembly

0518	Length mm
28002	300
Tech Sheet 68071	



For **Cleaning & Lubrication Sprays & Wipes**  
see **Industrial Section 13**





# MODULAR COOLANT HOSE SYSTEM



**Compatibility:**

Suitable for use with acetone, alcohol, ethyl, greases, oils, commercial dish detergents, gasoline, lacquer solvents and sodium hydroxide.  
Not for use with chlorine, acids, ammonium hydroxide, bases (strong), hypochlorite ion solutions or sodium hypochlorite.

**Material:** Polyoxymethylene (POM).

**Recommended Maximum Line Pressure:**  
30 psi

**Recommended Maximum Flow Rate:**  
2,150 litres per hour.

**Interchangeable with:** Loc-Line.

**Maximum Operating Temperature:**  
+76°C

Repeated exposure to this temperature will cause fatigue.

## 1/2" Series



**Round Nozzles**

0518	Nozzle Hole Size
48013	1/4"
48014	3/8"
48015	1/2"
Tech Sheet 68071	



**Flare Nozzles**

0518	Nozzle Hole Size
48026	1.1/4"
48027	2.1/2"
Tech Sheet 68071	



**Male Connectors, NPT**

0518	Thread
48030	3/8"
48031	1/2"
Tech Sheet 68071	



**Flat Nozzle**

0518	Nozzle Hole Size
48024	Size 80
Tech Sheet 68071	



**Flat Holed Nozzles**

0518	Nozzle
48022	5 Holes
48023	7 Holes
Tech Sheet 68071	



**Y Connector**

0518	
48032	
Tech Sheet 68071	



**90° Elbow Connector**

0518	
48034	
Tech Sheet 68071	



For **Reinforced PVC Braided Hose**  
see **Industrial Section 6**

# MODULAR COOLANT HOSE SYSTEM

**Compatibility:**


Suitable for use with acetone, alcohol, ethyl, greases, oils, commercial dish detergents, gasoline, lacquer solvents and sodium hydroxide.  
Not for use with chlorine, acids, ammonium hydroxide, bases (strong), hypochlorite ion solutions or sodium hypochlorite.

**Material:** Polyoxymethylene (POM).

**Recommended Maximum Line Pressure:**  
30 psi

**Recommended Maximum Flow Rate:**  
2,150 litres per hour.

**Interchangeable with:** Loc-Line.

 **Maximum Operating Temperature:**  
+76°C

Repeated exposure to this temperature will cause fatigue.

## 1/2" Series



**Valve, Tube x Male, NPT**

0518	Thread
48041	1/2"
Tech Sheet 68071	



**Hose Only Kit**

0518	Quantity	Length mm
XS4001	4	150
Tech Sheet 68071		

**Contents:**

- 1 x 1/2" NPT connector
- 1 x 3/8" round nozzle, assembled



**Hose Kit Assembly**

0518	Length mm
48002	300
Tech Sheet 68071	



**Valve, Tube x Female, NPT**

0518	Thread
48042	1/2"
Tech Sheet 68071	



**Hose Coil**

0518	Length Metres
48010	15.24
Tech Sheet 68071	

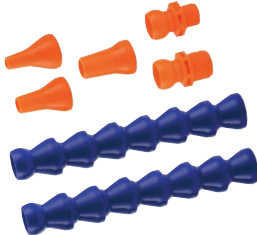


**Hose Assembly Pliers**

0518	
48006	
Tech Sheet 68071	

**Contents:**

- 1 x 3/8" NPT male connector
- 1 x 1/2" NPT female connector
- 1 x 1/4", 3/8" and 1/2" round nozzles
- 280mm hose



**Hose Kit**

0518	
48003	
Tech Sheet 68071	



**Valve, In-line**

0518	
48043	
Tech Sheet 68071	



**Extended Element Kit**

0518	
48008	
Tech Sheet 68071	





### What are the advantages of the Femco drainage systems?

- The Femco oil drain plug reduces downtime
- You can drain oil at engine temperature, safely
- You can drain oil in an environmentally friendly way, because oil spillages are prevented
- Oil is contained from sump to container
- Eliminates the risk of stripped threads
- Tool-less oil changing; all you need is the drain hose

### How does the Femco oil drain plug work?

- 1) Remove the dust cover from the drain plug
- 2) Screw the Femco drain connector with hose onto the drainage system
- 3) The fluids are captured and flow straight to the container

### Which oil drain plug suits my application the best?

Femco produces a lot of oil drain plugs and they are all specialised for different applications.

- The Standard oil drain plug is installed when there is enough space available
- The Compact oil drain plug is used where space is restricted
- The Click Drain is used for a large number of vehicles
- The XL oil drain plug is used to drain a large amount of oil
- The Quick Drain is used for stationary machinery

### Where can I find an oil drain plug in the right size?

Femco has a product range covering over 500 thread types and sizes. We can also make custom thread sizes. Please call us; we can help you to find the right size.

### What are the drain plugs made from?

All our oil drain plugs are made from solid brass.

### Can I use a Femco oil drain plug in combination with an oil extractor pump?

All Femco oil drainage systems can be connected with an oil extractor pump.

### Can I perform an oil change while the oil is still hot?

All Femco oil drain plugs are produced from solid brass and can be used to drain oil at engine temperature.

### Is it possible to drain fluids other than oil?

The Femco oil drain plugs can be used to drain all kinds of fluid such as engine oil, coolant, gearbox oil and hydraulic oil.

### What happens if I get water in my fuel tank?

Femco drain plugs are ideal for draining condensation from fuel tanks.

### How do I perform an oil check?

Femco has produced various sampling nipples to make it easy to check the viscosity of the oil.

### How can I change the oil in a difficult-to-reach place?

Femco can provide you with angled and extended drain connectors or special adaptors to drain oil even in the tightest spaces.

### Can a Femco oil drain plug be fitted with a magnet?

All Femco oil drain plugs can be provided with a magnet, which can be inspected after draining the oil.

### Who does Femco already supply?

Femco already supplies their drainage systems to companies like:

- |             |           |                  |
|-------------|-----------|------------------|
| • Emirates  | • JCB     | • Bell Equipment |
| • MANN      | • VDL     | • Alfagomma      |
| • Hitachi   | • Daimler |                  |
| • Air China | • Kobelco |                  |



# QUICK, CLEAN AND SAFE OIL CHANGES



# QUICK OIL DRAIN PLUGS

## Standard Drain Plugs

The Standard Drain – the original Femco® oil drain plug – was introduced in 1983 to change oil in a quick, clean and environmentally friendly way. The Standard Drain is manufactured out of 100% brass, which makes it easy to change hot oil. Additionally, the oil drain plugs are fitted with a dust cover and a double O-Ring, which protect the plug and ensure a reliable performance.

**Application:** Engine oil, hydraulic oil, gearbox oil, coolant, lubricating oil

**Material:** Brass outside and inside, stainless steel spring

**Valve:** Brass with Viton O-Ring/valve

**Dust Cap:** Brass, thread size LB: M26 x 1.5/SB: 22 x 1.5

**Dust Cap Seal:** NBR O-Ring

**Body Seal:** Viton O-Ring

° Working Temperature:  
-20°C to +200°C



### NPT

0710	Thread
6060020141	1/4"
6060020142	3/8"
6060020143	1/2"
6060020140	3/4"
6060020145	1"

Tech Sheet 68080

### UNF

0710	Thread
6080020109	1/2"-20
6080020113	3/4"-16
6080020115	7/8"-14
6080020119	7/8"-20
6080020120	1"-12

Tech Sheet 68080

### Metric

0710	Thread
6090020030	M12 x 1.5
6090020033	M14 x 1.5
6090020036	M16 x 1.5
6090020038	M18 x 1.5
6090020040	M20 x 1.5
6090020046	M22 x 1.5
6090020053	M24 x 1.5

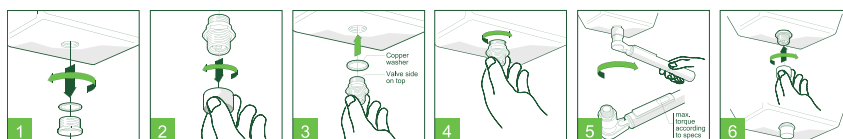
Tech Sheet 68080

### BSPP

0710	Thread
6070020130	1/4"
6070020131	3/8"
6070020132	1/2"
6070020134	3/4"
6070020141	1"

Tech Sheet 68080

### Installing FEMCO® Drain Plugs (Standard and Compact)



## Standard Drain Accessories



### Straight Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
650103	M26 x 1.5	18	250

Tech Sheet 68080



### 90° Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
650108	M26 x 1.5	18	250

Tech Sheet 68080



### Dust Cap & Chain

0710	Thread
650113	M26 x 1.5

Tech Sheet 68080



### 45° Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
650121	M26 x 1.5	18	250

Tech Sheet 68080



# QUICK OIL DRAIN PLUGS

## Compact Drain Plugs

The Compact Drain is the smallest Femco® oil drain plug, and is the perfect choice for oil changes in tight spaces. The Compact plug only extends 12 millimetres from the sump, and is often used in vehicles with a low ground clearance such as cars, buses and motorcycles. You can install the compact plug on any vehicle without worrying about the available space.

**Application:** Engine oil, hydraulic oil, gearbox oil, coolant, lubricating oil

**Material:** Brass outside and inside, stainless steel spring

**Valve:** Brass with Viton O-Ring/valve

**Dust Cap:** Brass, thread size LB: M24 x 1,5/SB: 20 x 1.5

**Dust Cap Seal:** NBR O-Ring

**Body Seal:** Viton O-Ring

° **Working Temperature:**  
-20°C to +200°C



### NPT

0710	Thread
7060020406	1/4"
7060020407	3/8"
7060020408	1/2"
7090020411	3/4"
7060020413	1"
Tech Sheet 68080	

### UNF

0710	Thread
7080020354	1/2"-20
7080020360	7/8"-14
7080020363	7/8"-18
7080020378	1 1/8"-12
7080020372	5/16"-12
Tech Sheet 68080	

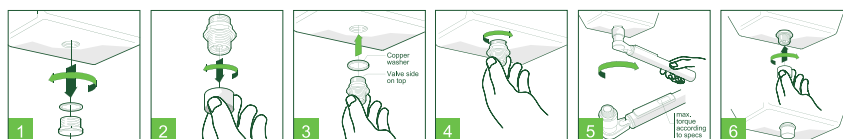
### Metric

0710	Thread
7090020178	M12 x 1.5
7090020181	M14 x 1.5
7090020184	M16 x 1.5
7090020186	M18 x 1.5
7090020189	M20 x 1.5
7090020195	M22 x 1.5
7090020203	M24 x 1.5
Tech Sheet 68080	

### BSPP

0710	Thread
7070020395	1/4"
7070020397	3/8"
7070020398	1/2"
7070020399	3/4"
7070020401	1"
Tech Sheet 68080	

### Installing FEMCO® Drain Plugs (Standard and Compact)



## Compact Drain Accessories



### Straight Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
750005	M24 x 1.5	18	250
Tech Sheet 68080			



### 45° Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
750013	M24 x 1.5	18	250
Tech Sheet 68080			



### 90° Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
750010	M24 x 1.5	18	250
Tech Sheet 68080			



### Dust Cap

0710	Thread
750028	M24 x 1.5
Tech Sheet 68080	





# QUICK OIL DRAIN PLUGS

## Click Drain Plugs

The Click Drain enables you to perform quick, clean and environmentally friendly oil changes. The Click Drain is manufactured out of solid brass. This material is heat resistant, ensuring you can safely change hot fluids such as engine oil. You can use the oil drain valve without using any specialist tools. In addition to this, it is easy to take oil samples using the Click Drain. The Click Drain oil drain valve also incorporates a locking system to ensure an effective seal, creating a clean working environment.

Click Drain plugs make oil changes on your vehicles and machines quick and easy. This oil drain system consists of a plug and a clicker. When it is time for an oil change, you simply click the clicker onto the plug to start draining the oil. The Click Drain plug is often used in combination with the Femco® oil extractor pump, and is the ideal solution for small maintenance tasks on fleets of vehicles.

**Applications:** engine oil, hydraulic oil, gearbox oil, coolant, lubricating oil

**Material:** brass outside and inside, stainless steel spring

**Valve:** Brass with viton O-Ring/valve

**Dust Cap:** brass, thread size LB: M26 x 1.5/SB: 22 x 1.5

**Dust Cap Seal:** NBR O-Ring

**Body Seal:** Viton O-Ring

### Advantages of the Quick Drain oil drain valve:

- Reduction of downtime
- Easy operation
- Clean oil changes
- Change hot oil safely
- No tools required
- Easy way to sample oil



**Working Temperature:**  
-20°C to +200°C

### NPT

0710	Thread
8060020511	1/4"
8060020512	3/8"
8060020513	1/2"
8060020514	3/4"
8060020516	1"

Tech Sheet 68080

### BSPP

0710	Thread
8080020501	1/4"
8080020502	3/8"
8080020504	1/2"
8080020505	3/4"
8080020506	1"

Tech Sheet 68080

### UNF

0710	Thread
8080020482	3/4"-16
8080020483	7/8"-14
8080020486	7/8"-18
8080020487	7/8"-20
8080020489	1"-14
8080020492	1 1/2"-12

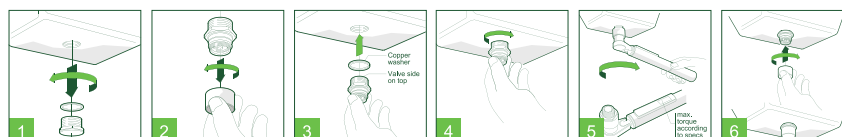
Tech Sheet 68080

### Metric

0710	Thread
8090020420	M12 x 1.5
8090020423	M14 x 1.5
8090020425	M16 x 1.25
8090020428	M18 x 1.5
8090020430	M20 x 1.5
8090020436	M22 x 1.5
8090020443	M24 x 1.5

Tech Sheet 68080

### Installing FEMCO® Drain Plugs (Click Drain)



## Click Drain Accessories



### Straight Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
851002	1/2"	18	250

Tech Sheet 68080



### Drain Connector, Solo Click, BSPP

0710	Thread
851000	1/2"

Tech Sheet 68080



### 90° Drainer, without Hose

0710	Thread	To Suit Hose ID mm
851004	1/2"	18

Tech Sheet 68080



### 45° Drainer, with Hose

0710	Thread	To Suit Hose ID mm	Length mm
851008	1/2"	18	250

Tech Sheet 68080



### Drain Connectors, Double Click, BSPP

0710	Thread
851017	1/2"
851013	3/4"
851019	1"

Tech Sheet 68080



## Grease Nipples



## Angled Male Thread, BSPT

0088	Angle	Thread
2017-3829	45°	1/8"
2017-3845	45°	1/4"
2017-3811	65°	1/8"
2017-3787	90°	1/8"
2017-3795	90°	1/4"

## Angled Male Thread, Metric

0088	Angle	Thread
GNM645	45°	M6 x 1
GNM845	45°	M8 x 1
GNM690	90°	M6 x 1
GNM890	90°	M8 x 1

## Angled Male Thread, NPT

0088	Angle	Thread
GN0245N	45°	1/8"
GN0445N	45°	1/4"
GN0290N	90°	1/8"
GN0490N	90°	1/4"

## Angled Male Thread, UNF

0088	Angle	Thread
GNU0445	45°	1/4"
GNU0490	90°	1/4"



## Straight Male Thread, BSPT

0088	Thread
2017-3738	1/8"
2017-3746	1/4"

## Straight Male Thread, Metric

0088	Thread
GNM6	M6 x 1
GNM8	M8 x 1

## Straight Male Thread, NPT

0088	Thread
GN02N	1/8"
GN04N	1/4"

## Straight Male Thread, UNF

0088	Thread
GNU04	1/4"

16mm Double Hexagon Head  
(15mm A/F) Male Thread, BSPP

0088	Thread
2017-3860	1/8"
2017-3878	1/4"

16mm Double Hexagon Head  
(15mm A/F) Male Thread, NPT

0088	Thread
GNTH02N	1/8"
GNTH04N	1/4"



## 16mm Round Head Male Thread, BSPP

0088	Thread
2017-3886	1/8"
2017-3894	1/4"

For use with greasing units on hydraulic type nipples (DIN 71412). Precision fit jaws are hardened for extended life.

 **Maximum Working Pressure:**  
500 bar



## Jaw Grease Connectors

0088	Length mm	Type
2017-3621	37	Valved
2017-3639	37	Unvalved

For use with greasing units on button and hexagon head grease nipples.

 **Maximum Working Pressure:**  
400 bar



## Slide-on Connector

0088
2017-3647

For use with greasing units on button and hexagon head grease nipples.

 **Maximum Working Pressure:**  
400 bar



## Hook-on Connector

0088
2017-3696

For use with greasing units on button and hexagon head grease nipples.

 **Maximum Working Pressure:**  
400 bar



## Knuckle Jointed Slide-on Connector

0088
2017-3712

# GREASING & LUBRICATION EQUIPMENT

## Grease Nipples, Stainless Steel



### 45° Angle, Male Thread

0088	Thread
SSGN0245	1/8" BSPT
SSGN0245N	1/8" NPT
SSGN0445	1/4" BSPT
SSGNM645	M6 x 1
SSGNM845	M8 x 1
SSGNU0445	1/4" UNF



### 90° Angle, Male Thread

0088	Thread
SSGN0290	1/8" BSPT
SSGN0290N	1/8" NPT
SSGN0490	1/4" BSPT
SSGNM690	M6 x 1
SSGNM890	M8 x 1
SSGNU0490	1/4" UNF



### Straight, Male Thread

0088	Thread
SSGN02	1/8" BSPT
SSGN02N	1/8" NPT
SSGN04	1/4" BSPT
SSGN04N	1/4" NPT
SSGNM6	M6 x 1
SSGNM8	M8 x 1
SSGNU04	1/4" UNF



### Tat Head

0088	Thread
SSGNTH02	1/8" BSPT

## Box Of Assorted Imperial Grease Nipples



0225  
GR.NIPI

## Grease Nipples

80 piece assorted straight and angled grease nipples. Imperial contains BSP/BSF/UNF. Metric contains M6/M8/M10.



## Box of Assorted Grease Nipples

0225	Thread
J9130/80	BSP/BSF/UNF
J9131/80	M6/M8/M10

## Grease Nipple Covers



0225  
PNR

## Grease Guns

Universal gun for use with cartridges (400cc) or bulk grease (500cc).



### Side Lever Gun

0088  
2017-3506

- Rigid tube and locknut, 4-jaw connector and filler/bleed nipple
- Universal gun for use with cartridges (400cc) or bulk grease (500cc)
- Heavy-duty follower



### Heavy-duty Lever Gun

0088  
2017-3514

- One hand pistol grip with rigid tube and 4-jaw connector
- Universal gun for use with cartridges (400cc) or bulk (500cc)



### Pistol Grip Gun

0088  
2017-3555

- Maximum air pressure 10 bar
- Air connection 1/4" BSPF
- Universal gun for use with cartridges (400cc) or bulk (500cc)



### Air Operated Grease Gun

0088  
2020-7312



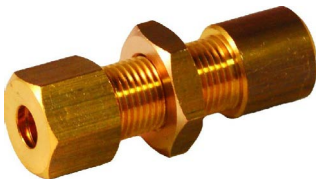


Adaptors



Straight, Male Connector

0382	Male Thread	Female Thread
SMF04U/02	1/4" UNF	1/8"
SMFM6/02	M6 x 1 Taper	1/8"
SMFM8/02	M8 x 1 Taper	1/8"



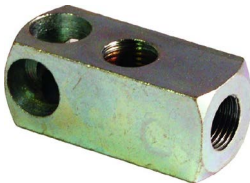
Battery Plate Adaptor, Brass, BSPP

0382	Female Thread	Tube OD mm
BPAM02-06-1	1/8"	6
BPAM02-06-2	1/8"	8



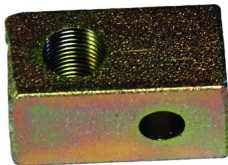
Tee Connector

0382	Tube OD mm
SCMT06	6



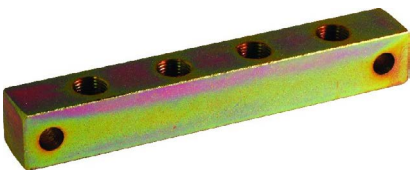
Universal Anchor Block,  
Female Thread, NPT

0382	Thread
81583-B	1/8"



Anchor Block (One Way),  
Female Thread, BSPP

0382	Thread	Length mm	Width mm	Depth mm
ABS02-1	1/8"	30	15	15



Multi Point Anchor, Female Thread, BSPP

0382	Thread	Length mm	Ports
ABS02-2	1/8"	62	2
ABS02-4	1/8"	108	4
ABS02-6	1/8"	154	6





## Lubrication Compression Fittings, Type LL

Suitable for oil and grease applications



### Straights, Steel Zinc Plated

0382	OD mm	Thread
LU-1130	4	M6 x 1
LU-1140	4	M8 x 1
LU-1150	4	M10 x 1
LU-1160	4	1/8"
LU-1170	6	M6 x 1
LU-1180	6	M8 x 1
LU-1190	6	M10 x 1
LU-1200	6	1/8"
LU-1210	6	1/4"



stainless  
steel

### Straights, 304 Stainless Steel

0382	OD mm	Thread
LU-1220SS	6	M6 x 1
LU-1230SS	6	M8 x 1
LU-1240SS	6	M10 x 1
LU-1250SS	6	1/8"



### Elbows, Steel Zinc Plated

0382	OD mm	Thread
LU-1000	4	M6 x 1
LU-1010	4	M8 x 1
LU-1020	4	M10 x 1
LU-1030	4	1/8"
LU-1040	6	M6 x 1
LU-1050	6	M8 x 1
LU-1060	6	M10 x 1
LU-1070	6	1/8"
LU-1080	6	1/4"



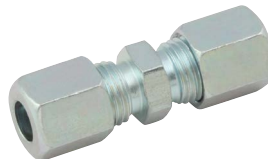
Maximum Working Pressure:  
100 bar



stainless  
steel

### Elbows, 304 Stainless Steel

0382	OD mm	Thread
LU-1090SS	6	M6 x 1
LU-1100SS	6	M8 x 1
LU-1110SS	6	M10 x 1
LU-1120SS	6	1/8"



### Unions, Steel Zinc Plated

0382	OD mm
LU-1260	4
LU-1270	6



stainless  
steel

### Unions, 304 Stainless Steel

0382	OD mm
LU-1290SS	6



### Compression Nuts, Steel Zinc Plated

0382	OD mm
LU-1300	4
LU-1310	6



stainless  
steel

### Compression Nuts, 304 Stainless Steel

0382	OD mm
LU-1340SS	6



### Compression Rings, Steel Zinc Plated

0382	OD mm
LU-1320	4
LU-1330	6



stainless  
steel

### Compression Rings, 304 Stainless Steel

0382	OD mm
LU-1350SS	6







Lubrication Push-in Fittings

**Material:** Brass plated.  
Suitable for use with oil and grease.



Straights

0382	OD mm	Thread
LU-1360	4	M6 x 1
LU-1370	4	M8 x 1
LU-1380	4	M10 x 1
LU-1390	4	1/8"
LU-1400	6	M6 x 1
LU-1410	6	M8 x 1
LU-1420	6	M10 x 1
LU-1430	6	1/8"



**Maximum Working Pressure:**  
60 bar



Elbows

0382	OD mm	Thread
LU-1440	4	M6 x 1
LU-1450	4	M8 x 1
LU-1460	4	M10 x 1
LU-1470	4	1/8"
LU-1480	6	M6 x 1
LU-1490	6	M8 x 1
LU-1500	6	M10 x 1
LU-1510	6	1/8"



Unions

0382	OD mm
LU-1520	4
LU-1530	6



Swivel Unions, Metric

0382	OD mm	Thread
LU-1540	6	M6 x 1
LU-1550	6	M8 x 1
LU-1560	6	M10 x 1



Swivel Unions, BSPT

0382	OD mm	Thread
LU-1570	6	1/8"

Lubrication Adaptors

**Material:** Galvanised steel.  
Suitable for use with oil and grease.



45° Male/Female Elbows, Metric

0382	Thread
LU-1580	M8 x 1
LU-1590	M10 x 1



45° Male/Female Elbows, BSPT

0382	Thread
LU-1600	1/8"



90° Male/Female Elbows, Metric

0382	Thread
LU-1610	M6 x 1
LU-1620	M8 x 1
LU-1630	M10 x 1



90° Male/Female Elbows, BSPT

0382	Thread
LU-1640	1/8"

**Material:** Brass.  
Suitable for use with oil and grease.



Banjo Male/Female Elbows, Metric

0382	OD mm	Thread
LU-1650	4	M8 x 1
LU-1660	4	M10 x 1
LU-1670	6	M6 x 1
LU-1680	6	M8 x 1
LU-1690	6	M10 x 1



Banjo Male/Female Elbows, BSPT

0382	OD mm	Thread
LU-1700	6	1/8"




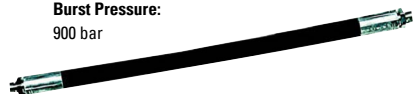
# GREASING & LUBRICATION EQUIPMENT

10



## Grease Hoses

 **Maximum Working Pressure:**  
400 bar  
**Burst Pressure:**  
900 bar



### Single Steel Braid Rubber Hose, Male Thread, BSPP

0088	Thread	Length
2017-3654	1/8"	12"
2017-3662	1/8"	18"



### Nylon Braid Hoses Polyamide Coated, Male Thread, BSPP

0088	Thread	Length
2017-3670	1/8"	12"
2017-3688	1/8"	18"



### Rigid Stem with 4 Jaw Connector

0088
2017-3720

## Lithium No.2 Grease Cartridge


Multi purpose bearing grease No.2 consistency for conventional applications.



0088	Volume Grams
2017-6780	400

# PRESSURE HOSES

## Pressure Hoses

 **Working Temperature:**  
-40°C to +100°C



### For use with Oil, 1/2" BSPP Male/Female x 1/2" ID 1 Wire Hose

0300	Max Pressure PSI	Length mm
1BMF0808-600	2320	600
1BMF0808-800	2320	800
1BMF0808-2000	2320	2000
1BMF0808-4000	2320	4000
1BMF0808-10000	2320	10000



### For use with Grease, 1/4" BSPP Male/Female x 1/4" ID 2 Wire Hose


0300	Max Pressure PSI	Length mm
2BMF0404-600	5800	600
2BMF0404-1500	5800	1500
2BMF0404-4000	5800	4000
2BMF0404-10000	5800	10000



### For use with Air & Water, 3/8" BSPP Male/Female x 3/8" ID Hose

0300	Max Pressure PSI	Length mm
AW-R6-600	1620	600
AW-R6-2000	1620	2000
AW-R6-4000	1620	4000
AW-R6-10000	1620	10000


## Long Life Flexible Oil Lines

 **Working Temperature:**  
-40°C to +100°C



### R1, 1/4" BSPP Female/ Female x 1/4" ID 1 Wire Hose

0300	Max Pressure PSI	Length mm
1BFF0404-600	3260	600
1BFF0404-750	3260	750
1BFF0404-1000	3260	10000

 **Working Temperature:**  
-40°C to +90°C



### Thermoplastic, 1/4" BSPP Female/ Female x 1/4" ID 1 Wire Hose


0300	Max Pressure PSI	Length mm
7BFF0404-600	2755	600
7BFF0404-750	2755	750
7BFF0404-1000	2755	10000

## Workshop Manual Pressure Test Pump

Designed for pressure testing hoses, pipework radiators and boilers etc. Can use with water or oil for testing. Comes with a gauge to monitor the pressure in the line. Fills the line you are testing with fluid from the reservoir. Comes complete with 2m delivery hose. 1/2" BSPM connector.

- Brass pump with anodised aluminium piston
- Housed in a 5 litre capacity steel reservoir
- Delivery per stroke: 12cc



 **Maximum Working Pressure:**  
209psi (20 bar).

0225  
PTP

Fuelling & Lubrication



INDUSTRIAL

## High Pressure Hose & Accessories



### None Filled Reinforced Hose 600 to 840 Bar, 10 Metre Coil

0382	ID mm	OD mm
LU-1710	4	8.75
LU-1730	6.3	11.3

### Grease Filled Reinforced Hose 600 to 840 Bar, 10 Metre Coil

0382	ID mm	OD mm
LU-1720	4	8.75

### Straight Inserts, Steel Zinc Plated



0382	ID mm	OD mm
LU-1740	4	8.75
LU-1750	6	8.75

stainless steel



### Straight Inserts, Stainless Steel

0382	ID mm	OD mm
LU-1760SS	6	8.75

### 90° Inserts, Steel Zinc Plated



0382	ID mm	OD mm
LU-1780	6	8.75
LU-1790	8	11.3

### Ferrule, Zinc Plated



0382	OD mm
LU-1800	8.75
LU-1810	11.3

stainless steel



### Ferrule, Stainless Steel

0382	OD mm
LU-1820SS	8.75
LU-1830SS	11.3

## Lubrication & Pumping Equipment

Three inch air motor, provides more power to create better flow.

NXT Air Valve, designed to reduce icing in continuous use applications and uses less air than competitive pumps for better efficiency. Easy to repair or replace without tearing down internal pump components for less downtime.

Modular air valve, air inlet and exhaust locations are easy to configure with just four bolts for simple, hassle free installations.

Built-in thermal relief and inlet strainer, built-in thermal relief protects your equipment from thermal expansion without the need to buy and install an additional kit.

Inlet strainer (oil only) is built-in to protect pump from contaminants that can damage your pump.

#### Connections:

Air line 1/4" BSP

Fluid outlet 1/2" BSP

Inlet 1" BSP

900mm plastic down tube (can be cut down as required).



### LD Range Oil Pumps

0382	Ratio	LPM
24G581	3:1	9.8
24G593	5:1	7.6



### Wall Mount Bracket

0382	To Suit
24F910	24G5 Series Pumps

## Remote Grease Systems

#### Contents:

- 1 x 1/8" BSP 2 way block
- 2 x 1/8" BSP straight grease nipples
- 4 x 1/8" BSP x 6mm straights
- 2 x M8 x 1 straight compression fittings
- 30 metre of 6 x 3mm semi rigid black nylon tube



### 2 Point

0382

BAT03

#### Contents:

- 1 x 1/8" BSP 6 way block
- 6 x 1/8" BSP straight grease nipples
- 6 x M6 x 1 x 6mm straight compression fittings
- 6 x 1/8" BSP x 6mm straight compression fittings
- 30 metre of 6 x 3mm semi rigid black nylon tube



### 6 Point

0382

BAT06

## Manual Grease System

#### Contents:

- 1 x 1 litre manual pump
- 1 x 4 way grease block
- 1 x 81-5261-1/4 x 6mm straight
- 8 x 1/8" BSP x 6mm fitting
- 30 metre coils of 6 x 3 semi rigid black nylon tube
- 6 x 1 way pipe clips
- Suitable for soft grease NLGI 00 000,00,0
- For use on small machinery, direct feed on to bearings
- 1.00cc delivery per stroke
- Max discharge pressure 150 bar



### 4 Point

0382

PROG12

# GREASING & LUBRICATION EQUIPMENT

## Grease Guns

Professional 18 volt cordless grease gun, which can develop up to 8,000 psi of pressure. 3-way loading, 1 hour fast charge, 2 battery packs and all supplied in a robust carry case.



**Maximum Working Pressure:**  
552 bar



### Standard Cordless, Battery Operated

0225	Voltage
RB1858	18V
Tech Sheet 60360	

Professional 18V lithium-ion cordless grease gun, ergonomically designed to help reduce operator fatigue. Can develop up to 10,000psi of pressure. Features three-way loading, one hour fast charge, spare battery and a built in LED light which illuminates your work area. All supplied in a robust carry case.



### Cordless, Lithium-ion Battery Operated

0225	Voltage
RB1988	18V
Tech Sheet 60379	

## Grease Coupler & Bracket

This quick disconnect grease coupler is designed for quick and convenient disengagement of the coupler from the grease/zerk fittings under pressure.



**Maximum Working Pressure:**  
550 bar



### Quick Disconnect Coupler

0088	Thread
ZHC21B	1/8"
Tech Sheet 60358	

Simple snap-action clamp for safe storage of grease guns and suction guns.



### Grease Gun Bracket

0225	To Suit
ZGGH01	Barrel Diameter 57mm
Tech Sheet 60380	

## Hydraulic Swivel Adaptor

Professional 360° hydraulic adaptor, three jaw, 1/8" BSPT thread and hex nut.



**Maximum Working Pressure:**  
483 bar



### 360° Swivel

0088	Thread
ZHCSW3B	1/8"
Tech Sheet 60359	

## Thread Gauge

### Threads:

**NPT:** 1/8", 1/4", 3/8"

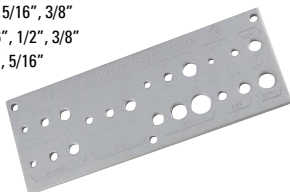
**Metric:** M6 x 1, M6 x 0.75, M8 x 1, M8 x 1.25, M10 x 1, M10 x 1.5

**BSPT:** 1/8", 1/4"

**UNF/ANF:** 1/4", 5/16", 3/8"

**BSW:** 1/4", 5/16", 1/2", 3/8"

**BSF:** 3/16", 1/4", 5/16"



### To suit Grease Nipples

0382
ZTHT01
Tech Sheet 60361

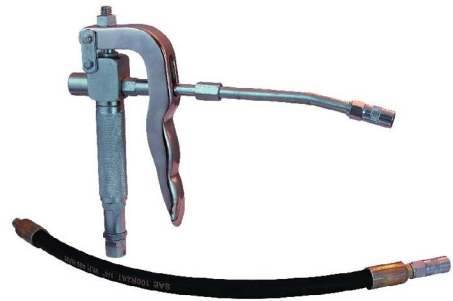


Economy Side Lever Grease Gun



0122	Description
GGUN01	400cc Grease Gun with Rigid Tube & Connection

Grease Control Gun



0122	Description
J1785701	

Heavy-duty Lever Grease Gun



0122	Description
J1786004	

Pistol Grip Grease Gun



0122	Description
J1786501	

Grease Filler Pumps



0122	Description
K7	

Air Operated Grease Pump Kit



0122	Description
J1700512	12.5kg Air Operated Grease Kit
J1700524	50kg Air Operated Grease Kit
J1708001	Optional Drum Trolley





## Grease Guns

A unique single hand operated grease gun of superior quality for the professionals.

The short stroke operation delivers 52,000kPa/7,500 psi/520 bar whilst the flexible extension allows you to access nipples that are normally hard to reach.

The gun can be filled by one of three ways: cartridge, bulk or J2 grease pump.

### Features:

- Short stroke operation
- Easy one hand operation
- Flexible outlet with Supergrip KY Coupler
- Delivers 0.8gm per shot
- Filler/bleeder nipple 1/4" BSP (M)



### Professional Flexi Grease Gun

0122

K32

A high quality lever grease gun for the professionals. This lever gun is engineered for high pressure greasing providing up to 69,000kPa/10,000 psi/690 bar. The lever gun can be filled by one of three ways: cartridge, bulk or J2 grease pump.

### Features:

- Rigid outlet with Supergrip KY Coupler
- Delivers 1.5gms per shot
- Filler/bleeder nipple 1/8" BSP (M)
- Fully repairable



### Professional Lever Grease Gun

0122

K40

Tech Sheet 10579

The K3 Super-Lube is a manual greasing system designed to fit 12.5kg grease kegs and includes a unique KR Grease gun that delivers grease at either volume or high pressure up to 69,000kPa/10,000 psi/ 690 bar. When on the high pressure setting blocked grease nipples can be easily cleared. The fully sealed system ensures that your grease is kept free from contamination that destroys bearings and causes expensive down time.

### Features:

- Spring loaded pump provides 60 shots
- 3m delivery hose
- 360° swivel prevents the hose from kinking
- Rubber edged follower provides wipe down of container walls



### K3 Super-Lube

0122

K3

The K6 Mini-Lube is a portable manual greasing system designed to fit 3kg grease pails, and includes a unique KR Grease gun that delivers grease at either volume or high pressure up to 69,000kPa/10,000 psi/ 690 bar. When on the high pressure setting blocked grease nipples can be easily cleared. The fully sealed system ensures that your grease is kept free from contamination that destroys bearings and causes expensive down time.

### Features:

- Spring loaded pump provides 30 shots
- 3m delivery hose
- 360° swivel prevents the hose from kinking
- Rubber edged follower provides wipe down of container walls



### K6 Mini-Lube

0122

K6

For fast and easy loading of grease guns. The pump allows you to buy grease more economically whilst the fully sealed system keeps out any contaminants.

### Features:

- Suitable for 12.5 kegs
- Delivers 54gms per stroke
- Fully sealed system keeps grease clean



### J2 Grease Pump

0122

J2

The P3 power-lube is the ultimate economical, high pressure air powered greasing system. To suit 12.5kg grease pails. At the recommended air pressure of 690kPa/100 psi/ 7 bar the 50:1 ratio air motor provides fast and continuous greasing at 34,500kPa/5,000 PSI/345 BAR. The grease pressure can be boosted to 69,000kPa/ 10,000 psi/690 bar simply by squeezing the gun trigger several times.

### Features:

- Non corroding air motor
- 4m delivery hose
- Handles up to NLG1 No2 greases
- Delivers 460gms of grease per minute
- Suitable for 12.5kg grease kegs



### P3 Air Operated Power-Lube

0122

P3

Tech Sheet 10580

The P6 Maxi-Lube is the ultimate in economical high pressure air powered greasing systems. To suit 50kg grease pails. 690kPa/100 psi/7 bar the 50:1 ratio air motor provides fast and continuous greasing at 34,500kPa/5,000 psi/345 bar. The grease pressure can be boosted to 69,000kPa/10,000 psi/690 bar simply by squeezing the the gun trigger several times.

### Features:

- Non corroding air motor
- 4m delivery hose
- Handles up to NLG1 No2 greases
- Delivers 460gms of grease per minute
- Suitable for 50kg grease kegs



### P6 Air Operated Maxi-Lube

0122

P6

## Refillable Bearing Lubricator

The refillable automatic bearing lubricators are high quality, mechanical, chemical and thermal resistant. Designed to provide constant lubrication to bearings, bushings, joints, articulated joints or wherever constant greasing is required.

### Features:

- Supplied with medium tension springs
- Suitable for all types of grease NLGI 0-1-2-3-4
- Setting dial (1, 3, 6 and 12 months) supply duration

**Material Body:** Transparent lexan

**Working Temperature:** -30°C to +132°C

**Maximum Working Pressure:** 200 psi



0122	Capacity Millilitres
MCGL100	100
MCGL220	220
Tech Sheet 2143	

## Aviation Lubrication Kit

Accessories typically required when lubricating aircraft.

### Kit consists of:

- KDN Right angle needlepoint coupler
- KDS Short tolerance right angle coupler
- KDE8 rigid push on 220mm extension
- KDF21 530mm flexible extension
- KY Standard super grip coupler
- KZDXL Straight needlepoint coupler, length 120mm
- KZHY Hypodermic needlepoint coupler
- KZLNJ 300mm reverse needlepoint coupler
- KZLNS 300mm straight needlepoint coupler
- KZLNR 300mm right-angled needlepoint coupler
- KZLN45 300mm 45° needlepoint coupler
- KZSNR 110mm needlepoint coupler with 90° bend at the end
- J65 Filler nozzle adaptor



0122

ACK-2



# GREASING & LUBRICATION EQUIPMENT



## Pneumatic Pumps

JG-50 Drum cover, 385mm/50-60kg. Follower plate 370mm/50-60kg, Connection hose SAE R2 13" x 1/4", grease gun, Z swivel, JG-12 Drum cover, 280mm/12kg. Follower plate 265mm/12kg. Connection hose SAE R2 13" x 1/4", grease gun, Z swivel.



### Grease Pumps

0122	Ratio	Description
JG-50	50:1	740mm Suction Tube
JG-12	50:1	480mm Suction Tube

## Grease Pumps

GR.H12.L High pressure, direct feed grease pump. Fits directly onto 12.5Kg keg. Rubber edged follower plate. 1.2m high pressure outlet hose. 4 jaw connector. GR.BFILL.L Low pressure high volume grease pump. Pumps grease up to NGLI2, fits 12.5kg kegs. 1.2m outlet hose and quick release female connector.



### High Pressure

0225  
GR.H12.L

### Low Pressure

0225  
GR.BFILL.L

For filling grease guns with bulk grease, up to NGLI2. Fits directly onto 12.5kg kegs. Fills grease guns fast. Enables you to buy grease in bulk, saving money.

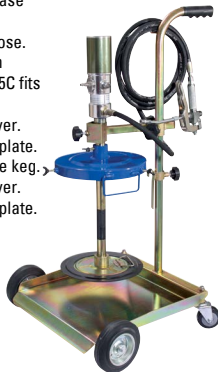


### Grease Gun Filler Pump

0225  
GR.GGFILL.L

## Mobile Grease Dispensers

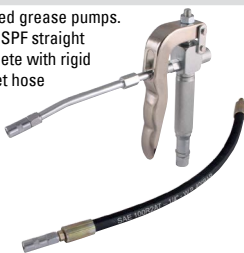
50:1 ratio air operated grease pump. 4 wheeled trolley. 4m of 1/4" bore delivery hose. Grease gun complete with straight swivel. GR.AM12.5C fits 12.5kg grease keg. 280mm diameter drum cover. 265mm diameter follower plate. GR.AM50C fits 50kg grease keg. 385mm diameter drum cover. 370mm diameter follower plate.



0225	To Suit
GR.AM12.5C	12.5kg Keg
GR.AM50C	50kg Keg

## Grease Control Gun & Accessories

For use with air operated grease pumps. Inlet connection 1/4" BSPF straight swivel. Supplied complete with rigid spout and flexible outlet hose with 4 jaw connection. Option Z swivel. Spare straight swivel available.



### Grease Gun

0225  
GR.AGUNC

### 1/4" Z Swivel

0225  
GR.ASWIVC

### 1/4" Straight Swivel

0225  
GR.ASWIVS

## High Volume Side Lever Grease Gun

Designed for ease of use with min effort that any gun can offer. Delivers 1.1/2 times more grease than most grease guns and generates pressure up to 10,000 psi (690 bar). Machined to precision tolerances (die cast head, 1.2mm barrel). Accepts either 400cc cartridges or 500cc bulk fill. Supplied with rigid spout, 4 jaw connector and bulk filling loader.



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GR.G3HV

## High Volume Pistol Grip Grease Gun

Industrial pistol grip/one handed grease gun. Used for greasing in confined spaces/restricted access. Unique variable stroke feature allows increased pressure from short strokes and high volumes from full strokes (7500 psi 517 bar). Machined to precision tolerances (die cast head, 1.2mm barrel). Accepts either 400cc cartridges or 500cc bulk fill. Supplied with 225mm flexible spout and 4 jaw connector. Fitted with unique bulk filling loader, doubles as an air bleed.



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GR.G6HV

## Grease Fitting Unblocker

Opens clogged grease fittings/loosens hardened grease joints. Maintains and protects bearings, control arms, joints, king pins etc. Tap with a hammer to force light viscosity oil through the tool into the coupler and finally, into the grease joint - breaking up and removing dirt and debris. Built in hand guard for added safety. Flexible hose attachment reaches fittings in difficult areas. Comes with a grease coupler for connection onto the grease fitting and 2 spare piston/seals for replacing as they wear out.



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## Portable Greasing System

Ideal for heavy plant and site use. Foot operated. Suitable for grease up to and including NLGI 2. Foot operated by pressing on the spring loaded system. Hose is then charged with grease ready for dispensing. A single charge dispenses 30 shots of grease. Super dispensing gun has high pressure and high volume settings. High pressure 0.45gm per shot, high volume 1.25gms per shot. High pressure feature is useful to open blocked grease fittings. Comes with drum cover (dia 216mm) rubber lined follower plate, 1.5m hose and 5kg plastic grease bucket/drum.



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