



# PULSARLUBE

Self-contained high pressure; single or multipoint; economical grease lubricator

## PULSARLUBE HIGH PRESSURE GREASE LUBRICATOR



The Pulsarlube M electromechanical automatic grease lubricator is primarily designed to compensate the performance of conventional gas type or less reliable mechanical automatic lubricators. It also offers superior advantages in cost competitiveness and user friendliness.

The heart of the Pulsarlube M is the reliable pump that generates over 850PSI (58 Bar) and it is ideal where:

- back pressure in lube line exists
- precise lubrication is required
- large volumes of grease are needed
- gas type lubricators are not economical
- where manual greasing is not desirable

Three lubricator sizes 125cc, 250cc and 500cc are available. Replacement service packs with your choice of grease come with a 4.5V battery pack to ensure reliable operation.

The optional grease divider valves deliver a guaranteed fixed volume of lubricant at the outlet ports by operating the integral pistons in a progressive sequence. Each outlet receives an equal amount of lubricant. Grease cannot take a least path of resistance even if there is more back pressure in one or more outlets.

A priming grease nipple is provided to easily prime empty grease tube when installed or override the grease system should extra grease be required. The Fat Adder 8.6mm grease tube and fittings ensure trouble free manual greasing and will not burst as they are rated at 11,600psi (800bar).

Several mounting and divider valve options and combinations are available and include:

- remotely mounting the unit up to 8m from the desired grease point
- 2, 4, 6, 8 or 12 outlet divider valve (even distribution of grease) and installing grease tubes up to 6m (odd number of outlet combinations are available using a cross port valve)
- basic stainless mounting bracket
- heavy duty mounting bracket with a protective cover
- steel enclosure with lockable door
- with or without "Fat Adder" 8.6mm high pressure grease tube and fittings

The Pulsarlube M delivers a reliable fixed amount of grease to each lubrication point irrespective of distance, pressure or temperature.

### SET UP EXAMPLE – 500ml Pulsarlube with 2 outlet divider valve

**Order code: 91-GL500** Pulsarlube 500cc

**Order code: 41-PSP-CLEP2-500** 500cc Liplex EP2 Grease Service Pack

**Order code: 41-LBK-2-JIC-F-BRA** Mounting Option consists of:

- 1 x stainless steel bracket
- 2 outlet divider valve priming nipple
- 4 x Reusable 1/8BSP x JIC fittings
- 10m x 8.6mm high pressure grease tube filled with EP grease



91-GL500

41-PSP-CLEP2-500

41-LBK-2-JIC-F-BRA

## PULSARLUBE PUMP OPERATING PRINCIPLE

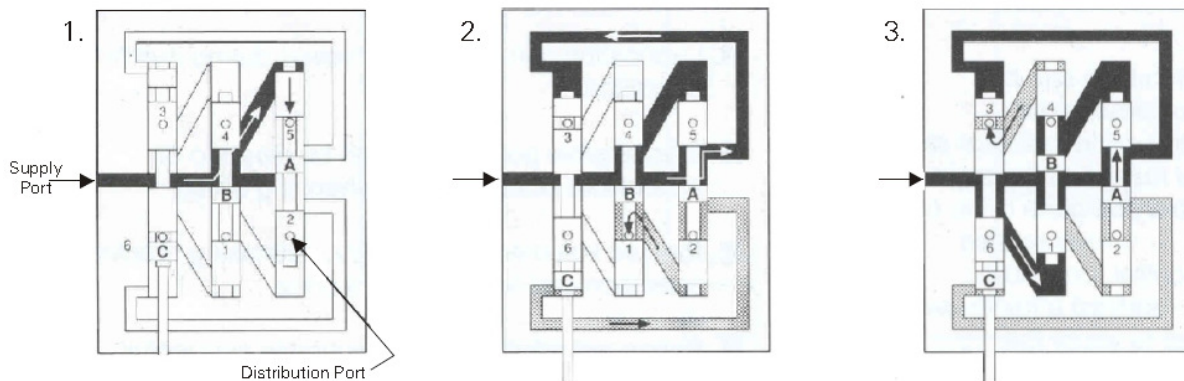
A 4.5V battery pack powers a vertical self-priming pump delivering up to 850psi (58 bar). A replaceable grease cartridge is inserted into the unit. The unit can be set on 6 different grease output settings on a large LCD display. The microprocessor control system ensures accurate and reliable operation. More Pulsarlube pump operating information can be found at:

[https://www.youtube.com/watch?v=jx\\_DBAGgkIA](https://www.youtube.com/watch?v=jx_DBAGgkIA)



## DIVIDER VALVE OPERATING PRINCIPLE

The optional divider valves ensure grease is evenly split amongst all the outlets.



Lubricant is taken in from the supply port under pressure, and pushes piston A downward until it stops at the specified position.

Following the downward motion of the piston A the grease contained the lower side of piston A is pushed out through the discharge port 1. At the same time, the port which leads to piston C opens pushing piston C down. the grease contained in the lower side of the piston C is pushed out through the discharge port 2.

As piston C moves downward the port which leads to the upper side piston B closes, while the port which leads to the lower side of piston B opens.

Resulting in the upward motion of the piston B, the grease contained in the upper side of the piston B is pushed out through the discharge port 3.

The continuation of the grease flow operates the pistons in reverse order and the lubricant is discharged from ports 4, 5 and 6, thus completing a full cycle.



41-LBK-6-000-O-BOX



## BENEFITS

The benefits of the Pulsarlube M are as follows:

- Cost effective by use of replaceable service pack including a grease pouch and a battery pack
- High output pressure 425 - 850 psi (29~58Bar)
- Remote and multi-point installation up to 12 points
- Long grease tube runs up to 8m from the lubricator
- Selectable grease pouch: 125cc, 250cc and 500cc
- Durable and reliable engineering
- Simple, user friendly programming
- Easy-to-read user friendly LCD screen
- Available dispensing periods: 1, 2, 3, 6, 12 and Half (H) months
- Lock out feature
- Large amounts of accessories available

## APPLICATIONS

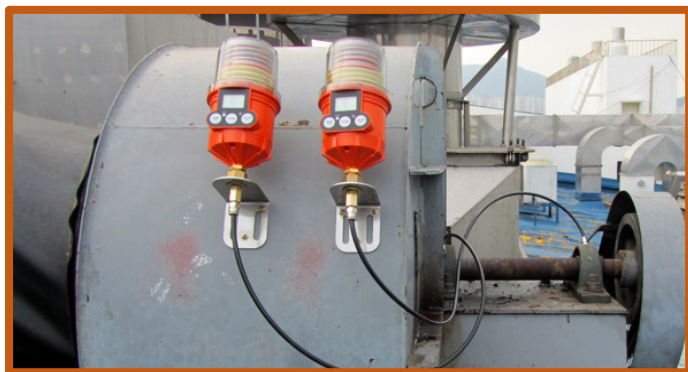
The Pulsarlube M can be used for any asset or component requiring regular lubrication. Typically used for bearings on pumps, slurry pumps, conveyors, agitators, motors, fans, vibrators, sheaves etc.



Fan bearing – direct mount 250cc Pulsarlube  
(Order Code 91-GL250)



Conveyor bearings – 2 outlet divider valve and 250cc Pulsarlube  
Customer supply tube and fittings  
(Order Codes 91-GL250 & 41-LBK-2-000-O-BRA)



Fan bearing – remote mount 125cc Pulsarlube  
Customer supply tube and fittings  
(Order Codes 91-GL125 & 41-LBK-1-000-O-BRA)



Fan bearing – 4 outlet divider valve 250cc Pulsarlube  
Customer supply tube and fittings  
(Order Codes 91-GL250 & 41-LBK-4-000-O-BRA)





## SERVICE PACK GREASE SELECTION

Most common, standard off the shelf grease service pack brands are:

- Castrol
- Caltex
- BP
- Shell
- Mobil







Custom filling of service packs is available. All grease service packs come with a 4.5V battery pack and dust cover. Please consult Lube Control representative for technical advice.




## TECHNICAL SPECIFICATIONS

<b>Grease Pouch</b>	<b>125cc, 250cc and 500cc replaceable with 4.5V battery</b>
<b>Operating Pressure</b>	425~850psi (29~58Bar)
<b>Operating Temperature Range</b>	-15°C ~ +60°C
	-40°C ~ +60°C
	*with optional Lithium Battery Pack
<b>Power Supply</b>	DC 4.5V Battery Pack (Replaceable)
<b>Available Dispensing Periods</b>	1, 2, 3, 6, 12 and Half (H) months
<b>Dispensing Volume (cc/pump cycle)</b>	Approx. 0.34cc/cycle @ 20°C
<b>Product Size</b>	125cc: Ø91mm x 183mm
	250cc: Ø91mm x 210mm
	500cc: Ø91mm x 261mm
<b>Weight</b>	125cc: 860g
	250cc: 1,050g
	500cc: 1,300g
<b>Certifications / IP code</b>	CE / IP54
<b>Multi Point Lubrication</b>	Up to 12 points up to 6m from lubricator
<b>Remote Installation</b>	Up to 8m using 8.6mm OD grease tube
<b>Installation Thread Size</b>	3/8" Male BSPT



## ORDERING DETAILS

Lubricator Selection		
91-GL125		<b>125cc Pulsarlube lubricator only</b> Use as high pressure single point lubricator or use with grease remote installation kit or grease divider valve kit. 80bar pressure developed. Mount up to 8m away from grease point.
91-GL250		<b>250cc Pulsarlube lubricator only</b> Use as high pressure single point lubricator or use with grease remote installation kit or grease divider valve kit. 80bar pressure developed. Mount up to 8m away from grease point.
91-GL500		<b>500cc Pulsarlube lubricator only</b> Use as high pressure single point lubricator or use with grease remote installation kit or grease divider valve kit. 80bar pressure developed. Mount up to 8m away from grease point.
Standard BP & Castrol Service Pack Selection		
41-PSP-CPH-125 41-PSP-CPH-250 41-PSP-CPH-500	  	<b>Castrol Premium Heavy Duty (PHD)</b> PHD 125cc service pack, inc. 4.5V battery PHD 250cc service pack, inc. 4.5V battery PHD 500cc service pack, inc. 4.5V battery
41-PSP-CMA1-125 41-PSP-CMA1-250 41-PSP-CMA1-500		<b>Castrol Molub-Alloy 150-2</b> Molub-Alloy 150-2 125cc service pack, inc. 4.5V Molub-Alloy 150-2 250cc service pack, inc. 4.5V Molub-Alloy 150-2 500cc service pack, inc. 4.5V
41-PSP-CMA4-125 41-PSP-CMA4-250 41-PSP-CMA4-500		<b>Castrol Molub-Alloy 460-1-1/2</b> Molub-Alloy 460-1-1/2 125cc service pack, inc. 4.5V Molub-Alloy 460-1-1/2 250cc service pack, inc. 4.5V Molub-Alloy 460-1-1/2 500cc service pack, inc. 4.5V
41-PSP-CGR1-125 41-PSP-CGR1-250 41-PSP-CGR1-500		<b>Castrol Tribol GR100 PD2</b> Tribol GR100 PD2 125cc service pack, inc. 4.5V Tribol GR100 PD2 250cc service pack, inc. 4.5V Tribol GR100 PD2 500cc service pack, inc. 4.5V
41-PSP-CSBX-125 41-PSP-CSBX-250 41-PSP-CSBX-500		<b>Castrol SBX2</b> SBX2 125cc service pack, inc. 4.5V battery SBX2 250cc service pack, inc. 4.5V battery SBX2 500cc service pack, inc. 4.5V battery

Standard Castrol Service Pack Selection		
41-PSP-CLEP-125 41-PSP-CLEP-250 41-PSP-CLEP-500		<b>Caltex Lipler EP 2</b> Lipler EP2 125cc service pack, inc. 4.5V battery Lipler EP2 250cc service pack, inc. 4.5V battery Lipler EP2 500cc service pack, inc. 4.5V battery
41-PSP-CEMG-125 41-PSP-CEMG-250 41-PSP-CEMG-500		<b>Caltex Electric Motor Grease</b> EMG grease 125cc service pack, inc 4.5V battery EMG grease 250cc service pack, inc 4.5V battery EMG grease 500cc service pack, inc 4.5V battery
41-PSP-CMGR-125 41-PSP-CMGR-250 41-PSP-CMGR-500		<b>Caltex Mine grease</b> Mine grease 125cc service pack, inc 4.5V battery Mine grease 250cc service pack, inc 4.5V battery Mine grease 500cc service pack, inc 4.5V battery
41-PSP-CUD2-125 41-PSP-CUD2-250 41-PSP-CUD2-500		<b>Caltex Ultra-Duty 2</b> Ultra-Duty 2 125cc service pack, inc 4.5V battery Ultra-Duty 2 250cc service pack, inc 4.5V battery Ultra-Duty 2 500cc service pack, inc 4.5V battery
Standard Shell Service Pack Selection		
41-PSP-MXH2-125 41-PSP-MXH2-250 41-PSP-MXH2-500		<b>Mobil XHP 222</b> XHP 222 125cc service pack, inc. 4.5V battery XHP 222 250cc service pack, inc.4.5V battery XHP 222 500cc service pack, inc. 4.5V battery
41-PSP-MS1-125 41-PSP-MS1-250 41-PSP-MS1-500		<b>Mobilith SHC 100</b> SHC 100 125cc service pack, inc. 4.5V battery SHC 100 250cc service pack, inc. 4.5V battery SHC 100 500cc service pack, inc. 4.5V battery
41-PSP-MS2-125 41-PSP-MS2-250 41-PSP-MS2-500		<b>Mobilith SHC 220</b> SHC 220 125cc service pack, inc. 4.5V battery SHC 220 250cc service pack, inc. 4.5V battery SHC 220 500cc service pack, inc. 4.5V battery
41-PSP-MS4-125 41-PSP-MS4-250 41-PSP-MS4-500		<b>Mobilith SHC 460</b> SHC 460 125cc service pack, inc. 4.5V battery SHC 460 250cc service pack, inc. 4.5V battery SHC 460 500cc service pack, inc. 4.5V battery
41-PSP-MPEM-125 41-PSP-MPEM-250 41-PSP-MPEM-500		<b>Mobil Polyrex EM</b> Polyrex EM 125cc service pack, inc. 4.5V battery Polyrex EM 250cc service pack, inc. 4.5V battery Polyrex EM 500cc service pack, inc. 4.5V battery
Standard Shell Service Pack Selection		
41-PSP-SVS1-125 41-PSP-SVS1-250 41-PSP-SVS1-500		<b>Shell Gadus S2 V100</b> Gadus S2 V100 125cc service pack, inc. 4.5V Gadus S2 V100 250cc service pack, inc. 4.5V Gadus S2 V100 500cc service pack, inc. 4.5V
41-PSP-SVS2-125 41-PSP-SVS2-250 41-PSP-SVS2-500		<b>Shell Gadus S3 V220</b> Gadus S2 V220 125cc service pack, inc. 4.5V Gadus S2 V220 250cc service pack, inc. 4.5V Gadus S2 V220 500cc service pack, inc. 4.5V
41-PSP-SVS4-125 41-PSP-SVS4-250 41-PSP-SVS4-500		<b>Shell Gadus S3 V460D</b> Gadus S3 V 460D 125cc service pack, inc. 4.5V Gadus S3 V 460D 250cc service pack, inc. 4.5V Gadus S3 V 460D 500cc service pack, inc. 4.5V
Custom Fill Service Pack – Customer supplies grease and it is factory filled		
41-PSP-CFILL-125 41-PSP-CFILL-125 41-PSP-CFILL-125		<b>Custom Filled Cartridge Service Pack</b> Custom fill 125cc service pack inc 4.5V battery Custom fill 250cc service pack inc 4.5V battery Custom fill 500cc service pack inc 4.5V battery

## Mounting and Divider Valve Selection

Ordering code: 41-LBK-1-JIC-E-BRA

**Basic bracket** \_\_\_\_\_

41-LBK

**No. of outlets** \_\_\_\_\_

R = 1

2 = 2

4 = 4

6 = 6

8 = 8

12 = 12

**8.6mm fitting type\*** \_\_\_\_\_

OOO = no fittings or tube

JIC = 1/8BSP reusable nipple and 7/16JIC fittings

RHE = 1/8BSP reusable hose end swivel hose end and screw sleeve

HSS = 1/8BSP reusable hose stud (compression fitting, hose stud, screw sleeve)

**8.6mm tube filled or empty** \_\_\_\_\_

E = 8.6mm high pressure tube unfilled

F = 8.6mm high pressure tube filled with EP grease

O = if not fittings or tube is needed

**Bracket/protection cover** \_\_\_\_\_

BRA = Standard stainless bracket

HDB = Heavy duty bracket with protection cover

BOX = Steel box enclosure

\*length of tube is measured at 5m per outlet (ie 2 outlet = 10m of 8.6mm tube). Double the number of fittings (ie 2 outlet comes with 4 x 1/8BSP straight fittings).

Other inclusions are priming nipple, cable ties and mounting screws.

41-LBK-1-RHE-E-BRA



**Remote Installation Kit – Single Line**

5m x 8.6mm high pressure tube

2 x 1/8BSP straight reusable swivel fittings

1 x Mount Bracket & Priming Nipple, Mount screws & Nyloc Nuts & 4 x Cable Ties.

41-LBK-2-RHE-E-BRA



**2 Outlet Grease Divider Valve Kit**

10m x 8.6mm high pressure tube

4 x 1/8BSP straight reusable swivel fittings

1 x Mount Bracket & Priming Nipple and **two** outlet grease block. Mount screws & Nyloc Nuts & 8 Cable Ties

41-LBK-4-RHE-E-BRA



**4 Outlet Grease Divider Valve Kit**

20m x 8.6mm high pressure tube

8 x 1/8BSP straight reusable swivel fittings

1 x Mount Bracket & Priming Nipple and **four** outlet grease block. Mount screws & Nyloc Nuts & 16 Cable Ties

41-LBK-6-RHE-E-BRA










**6 Outlet Grease Divider Valve Kit**









30m x 8.6mm high pressure tube

12 x 1/8BSP straight reusable swivel fittings





1 x Mount Bracket & Priming Nipple and **six** outlet grease block. Mount screws & Nyloc Nuts & 24 Cable Ties



41-LBK-8-RHE-E-BRA		<b>8 Outlet Grease Divider Valve Kit</b> 40m x 8.6mm high pressure tube 16 x 1/8BSP straight reusable swivel fittings 1 x Mount Bracket & Priming Nipple and <b>eight</b> outlet grease block. Mount screws & Nyloc Nuts & 24 Cable Ties
41-LBK-12-RHE-E-BRA		<b>12 Outlet Grease Divider Valve Kit</b> 50m x 8.6mm high pressure tube 24 x 1/8BSP straight reusable swivel fittings 1 x Mount Bracket & Priming Nipple and <b>twelve</b> outlet grease block. Mount screws & Nyloc Nuts & 24 Cable Ties
61-CPE		<b>Cross Porting Element</b> To cross port 2 outlets from a divider valve. The cross ported outlet puts out twice the amount of lubricant that the others.
40-HDB		<b>Heavy duty bracket with protection cover</b> Suitable for remote mounting and divider valves 3mm stainless steel bracket Bracket size 125mm(w)x 168mm(d) x 187mm(h) Plastic protection tube Ø110 x 260(h)
40-BOX		<b>Steel box enclosure</b> Powder coated box only Suitable for remote mounting and divider valves Box size 200mm(w)x 155mm(d) x 300mm(h) Comes with lockable door and key *Stainless available upon request
40-BRA		<b>Remote mounting bracket</b> Bracket only Suitable for remote mounting and divider valves 3mm stainless bracket Bracket size 65mm(w)x 130mm(d) x 90mm(h)
41-C-CLAMP-40		<b>C-Clamp mounting clamp</b> Suitable for mounting brackets and boxes 2 x recommended per bracket or box 5mm stainless Clamp size 40mm(w)x 40mm(d) x 40mm(h) Suits 30mm and smaller beams

Mounting Stand		
51-MS600 51-MS750 51-MS1300	 51-MS1300	<b>Mounting Stand</b> Mounting Stand 600mm high Mounting Stand 750mm high Mountings Stand 1300 high
8.6mm High Pressure Grease Tube – Fat Adder – 11, 600PSI (800 Bar)		
99-HPH50MGF	 99-HPH10M	50m x 8.6mm grease filled high pressure tube/m
99-HPH50M		50m x 8.6mm high pressure tube - empty/m
99-HPH10MGF		10m x 8.6mm grease filled high pressure tube/m
99-HPH10M		10m x 8.6mm high pressure tube - empty/m
8.6mm JIC hose end fittings		
41-JIC8.6COM	 41-JIC8.6	Straight 7/16 JIC reusable hose end 8.6mm hose complete
41-JIC8.6		Straight 7/16 JIC reusable hose end for 8.6mm hose
41-JIC8.6COMSS	 41-JIC908.6	Stainless Straight 7/16 JIC reusable hose end 8.6mm hose complete
41-JIC8.6SS		Stainless straight 7/16 JIC reusable hose end for 8.6mm hose
41-JIC908.6COM		90 deg 7/16 JIC reusable hose end 8.6mm hose complete
41-JIC908.6		90 deg7/16 JIC reusable hose end for 8.6mm hose
41-JIC908.6SS	 99-JIC458.6	Stainless 90 deg7/16 JIC Reusable hose end for 8.6mm hose
41-JIC908.6COMSS		Stainless 90 deg 7/16 JIC Reusable hose end 8.6mm hose complete
41-JIC458.6COM		45 deg 7/16 JIC Reusable hose end 8.6mm hose complete
41-JIC458.6		45 deg7/16 JIC Reusable hose end for 8.6mm hose
99-SS	 99-SS	Screw sleeve
99-SSSS		Stainless screw sleeve
41- JICNIP1/8BSP		7/16"Male x 1/8BSP male nipple straight
41- JICNIP1/8BSPSS		Stainless 7/16" male x 1/8BSP male nipple str
41-JICNIP8MM	 41-JICNIP1/8BSP	7/16" male x 8mm male nipple straight
41-JICNIP6MM		7/16" male x 6mm male nipple straight
97-JICJIC		7/16" male x 7/16" male nipple straight joiner
94-JICJICSS		Stainless 7/16" male x 7/16" male nipple straight joiner
8.6mm Reusable hose end swivel fitting		
99-RHESWSSNPT	 99-RHESS 99-RHESWSSBSP	Reusable hose end stud 1/8NPT, swivel with screw sleeve
99-RHESONPT		Reusable hose end stud 1/8NPT only
99-RHESWSSBSP		Reusable hose end stud 1/8BSP, swivel with screw sleeve
99-RHESOBSP		Reusable hose end stud 1/8BSP only
99-RHESS		Screw Sleeve for reusable hose end only

8.6mm Hose Stud and compression fitting		
99-SCF6M	    	Straight M6 x 6mm tube comp fitting
99-SCF6MSS		Stainless Straight M6 x 6mm tube comp fitting
99-SCF8M		Straight M8 x 6mm tube comp fitting
99-SCF8MSS		Stainless Straight M8 x 6mm tube comp fitting
99-SCF1/8BSP		Straight 1/8BSP x 6mm tube comp fitting
99-SCF1/8BSPSS		Stainless Straight 1/8BSP x 6mm tube comp fitting
99-SCF1/4BSP		Straight 1/4BSP x 6mm tube comp fitting
99-SCF1/8NPT		Straight 1/8NPT x 6mm tube comp fitting
20-SCFF1/8BSP		Straight 1/8BSP Female x 6mm tube comp fitting
99-C6M		6mm x 6mm Straight comp fitting connector
99-C6MSS		Stainless 6mm x 6mm Straight comp fitting connector
99-CF906M		90 deg M6 x 6mm tube comp fitting
99-CF906MSS		Stainless 90 deg M6 x 6mm tube comp fitting
99-CF908M		90 deg M8 x 6mm tube comp fitting
99-CF908MSS		Stainless 90 deg M8 x 6mm tube comp fitting
99-CF901/8BSP		90 deg 1/8BSP x 6mm tube comp fitting
99-CF901/8BSPSS		Stainless 90 deg 1/8BSP x 6mm tube comp fitting
99-CF901/8NPT		90 deg 1/8NPT x 6mm tube comp fitting
99-CN		6mm nut
99-CO		6mm olive
99-CNSS	    	Stainless 6mm nut
99-COSS		Stainless 6mm olive
99-HS456M24		45 deg x 6mm hose stud (24mm x 15mm)
99-HS456M35		45 deg x 6mm hose stud (35mm x 25mm)
99-HS456MSS		Stainless 45 deg x 6mm hose stud (35mm x 25mm)
99-HS906M21		90 deg x 6mm hose stud (13mm x 21mm)
99-HS906M29		90 deg x 6mm hose stud (17mm x 29mm)
99-HS906M37		90 deg x 6mm hose stud (28mm x 37mm)
99-HS906M53		90 deg x 6mm hose stud (28mm x 53mm)
99-HS906MSS		Stainless 90 deg x 6mm hose stud (28mm x 37mm)
99-HSS20M		Straight 6mm hose stud (20mm)
99-HSS30M		Straight 6mm hose stud (30mm)
99-HSS30MSS		Stainless Straight 6mm hose stud (30mm)
99-HSS65M		Straight 6mm hose stud (65.5mm)
99-HSS08M		Straight 8.6mm x 8.6mm hose stud connector/joiner
99-HSSC6M		Straight 8.6mm hose stud x 6mm compression fitting
99-SS		99-SS
99-SSSS		99-SSSS

Adaptors		
94-ATM5X18BSPB	 99-ATM6X18BSP	Brass straight adaptor M5/0.8 x 1/8BSP female
99-ATM6X18BSP		Straight adaptor M6/1.0 male x 1/8BSP female
94-ATM6X18BSPSS		Stainless Straight adaptor M6/1.0 male x 1/8BSP female
94-ATM8X18BSPBR		Brass Straight adaptor M8/1.0 male x 1/8BSP female
94-ATM8125X18BSPBR		Brass Straight adaptor M8/1.25 male x 1/8BSP female
99-ATM8X18BSP		Straight adaptor M8/1.0 male x 1/8BSP female
94-ATM10X18BSPBR		Brass Straight adaptor M10/1.5 male x 1/8BSP female
94-ATM12X18BSPBR		Brass Straight adaptor M12/1.5 male x 1/8BSP female
94-ATM14X18BSPBR		Brass Straight adaptor M14/1.5 male x 1/8BSP female
94-ATM16X18BSPBR		Brass Straight adaptor M16/1.5 male x 1/8BSP female
99-A14X18S20		Straight adaptor 1/4BSP Male x 1/8BSP female – 20mm
98-AT14UNEFX18		Straight adaptor 1/4UNEF Male x 1/8BSP female
99-ATUNFX18		Straight adaptor 1/4UNF Male x 1/8BSP female
99 -AT14BSFX18		Straight adaptor 1/4BSF Male x 1/8BSP female
94-AT1/8NPT18BR		Brass Straight adaptor 1/8NPT Male x 1/8BSP female
Extensions		
99-AT18X18BSP18SS	 99-AT18X18BSP35 99-AT18X18BSP100	Straight extension 1/8BSP male x 1/8BSP female - 18mm
99-AT18X18BSP23		Stainless str. ext. 1/8BSP Male x 1/8BSP female -18mm
99-AT18X18BSP23SS		Straight extension 1/8BSP male x 1/8BSP female – 23mm
99-AT18X18BSP35		Stainless str. ext. 1/8BSP male x 1/8BSP female –23mm
99-AT18X18BSP35SS		Straight extension 1/8BSP male x 1/8BSP female – 35mm
99-AT18X18BSP45		Stainless str. ext. 1/8BSP male x 1/8BSP female –35mm
99-AT18X18BSP50		Straight extension 1/8BSP male x 1/8BSP female – 45mm
99-AT18X18BSP50SS		Straight extension 1/8BSP male x 1/8BSP female – 50mm
98-AT18X18BSP85		Stainless str. ext. 1/8BSP male x 1/8BSP female –50mm
98-AT18X18BSP100		Straight extension 1/8BSP male x 1/8BSP female – 85mm
98-AT18X18BSP187		Straight extension 1/8BSP male x 1/8BSP female – 100mm
98-AT18X18BSP187	Straight extension 1/8BSP male x 1/8BSP female – 187mm	
Elbow Adaptors		
99-A451/8BSP	 99-A451/8BSP   99-A901/8BSP	45 deg adaptor 1/8BSP male x 1/8BSP female
99-451/8BSPSS		Stainless 45 adaptor 1/8BSP male x 1/8BSP female
99-A45M6X18BSP		45 deg adaptor 6mm male x 1/8BSP female
99-A901/8BSP		90 deg adaptor 1/8BSPM x 1/8BSP female
99-A901/8BSPSS		Stainless 90 deg adaptor 1/8BSPM x 1/8BSP female
20-A901/4UNFX18BSP		90 deg adaptor 1/4UNFM male / 1/8 BSP female
98-A90M6X18BSP		90 deg adaptor 6mm male x 1/8BSP female
99-A90M8X18BSP		90 deg adaptor 8mm male x 1/8 BSP female
41-A90T14BSFX18BSP		90 deg adaptor 1/4BSF male x 1/8BSP female



Clamps		
99-PCLAMP9MM	 <p>99-PCLAMP9MM</p>  <p>99-DCLAMP8MM</p>  <p>99-SCLAMP8MM</p>  <p>41-DHCCB</p>	P-Clamp 9mm
99-PCLAMP16MM		P-Clamp 16mm
99-PCLAMP19MM		P-Clamp 19mm
94-PCLAMP6MMSS		Stainless P-Clamp 6mm
94-PCLAMP10MMSS		Stainless P-Clamp 10mm
94-PCLAMP16MMSS		Stainless P-Clamp 16mm
94-PCLAMP19MMSS		Stainless P-Clamp 19mm
29-SCLAMP8MM		Single nylon hose clamp 8mm
29-DCLAMP8MM		Double nylon hose clamp 8mm
29-SCLAMP8MMSS		Stainless single nylon hose clamp 8mm
29-DCLAMP8MMSS	Stainless double nylon hose clamp 8mm	
41-DHCCB		Beam mount Double hose clamp with C Clamp suit 8.6mm high pressure hose
Spiral Guard		
99-SPG925	 	25m x Spiral guard 9mm (suits the 8.6mm hose)
99-SPG10SS		Stainless 5m x spiral guard 10mm (Suits the 8.6mm hose)

Contact:



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