



KP **KEG PUMP**

Range of Electric Keg Pumps



Electric Keg (Drum) Pumps for Grease

KEG PUMP

Versatile range of Interlube electric grease pumps for industrial and off-road applications



The KP keg pump is available to suit a range of keg sizes and has multi-functional controller in built for different types of system applications.

KP Grease Pump

- 24V DC
- 3.59 oz per min output
- 300 Bar (4351 psi) maximum output pressure
- Supplied with or without controller
- To suit keg or pail sizes:
 - 12.5 kg -180 kg
 - 20 kg -120 lb
 - 35 lb -400 lb
 - 50 kg

Multi-Functional Pump

- Progressive systems
- Automatic systems with manual hose reel back up facility
- Injector systems
- Dual line systems
- Grease spray systems



KP Pump Applications

KP1300 Pump With No Controller

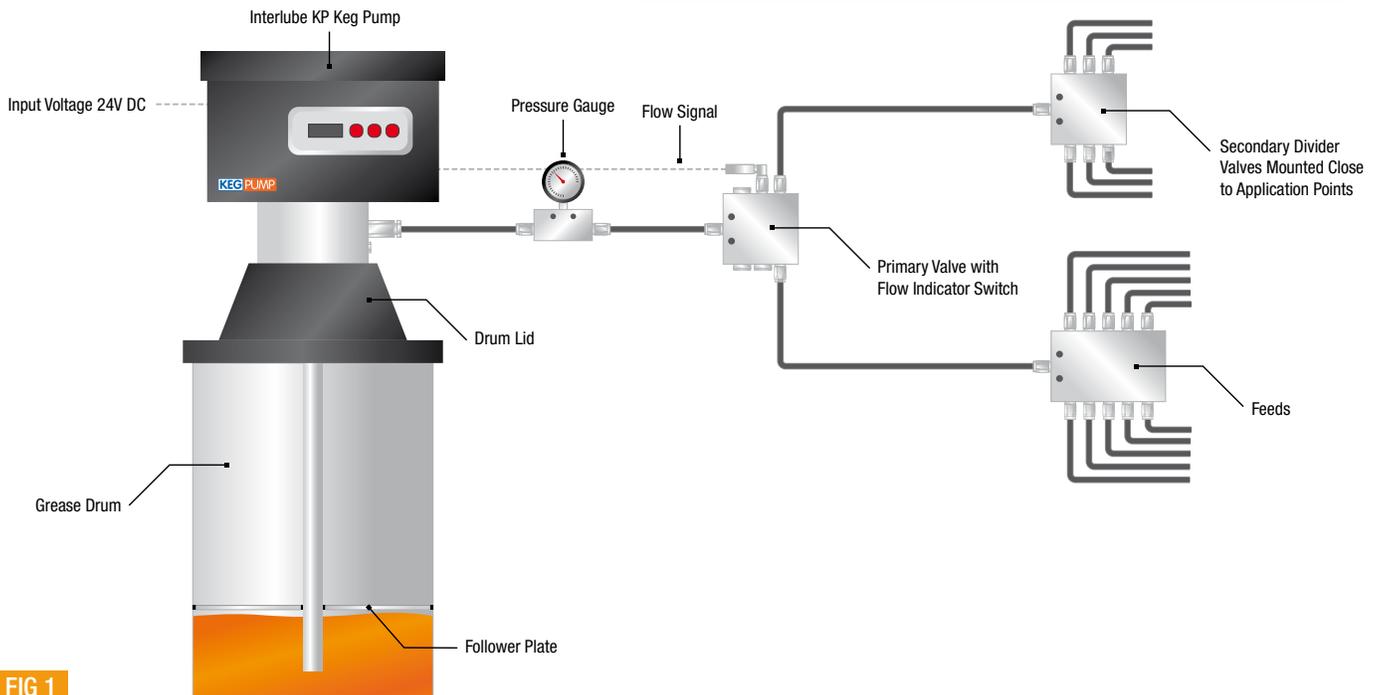
The KP1300 pump is supplied with no controller. This pump head and relevant down tube assembly kit can be used to pump grease directly from kegs of grease.

The pump can be connected to a separate controller on the machine or switched on/off manually as required.

- Operating temp range: -20° C - 40° C (-4° F - 104° F)
- Pump outlet size: 6.35 mm (1/4") BSP(F)
- Pump return line: 6.35 mm (1/4") BSP(F)
- Motor: 24V DC (10A maximum running current)
- IP Rating: 56



KP1100 Standard Progressive System



Standard Mode - KP1100

The pump run time is adjustable between 1-3 minutes in 10 second steps with an adjustable delay time of between 15 minutes - 24 hours and 45 minutes in 15 minute increments. The controller monitors the operation of the primary valve. If the controller does not get a signal from the valve within 30-45 seconds, the pump will show an alarm and shut down.

KP Pump Applications

KP1200 - Hose Reel and Progressive Systems

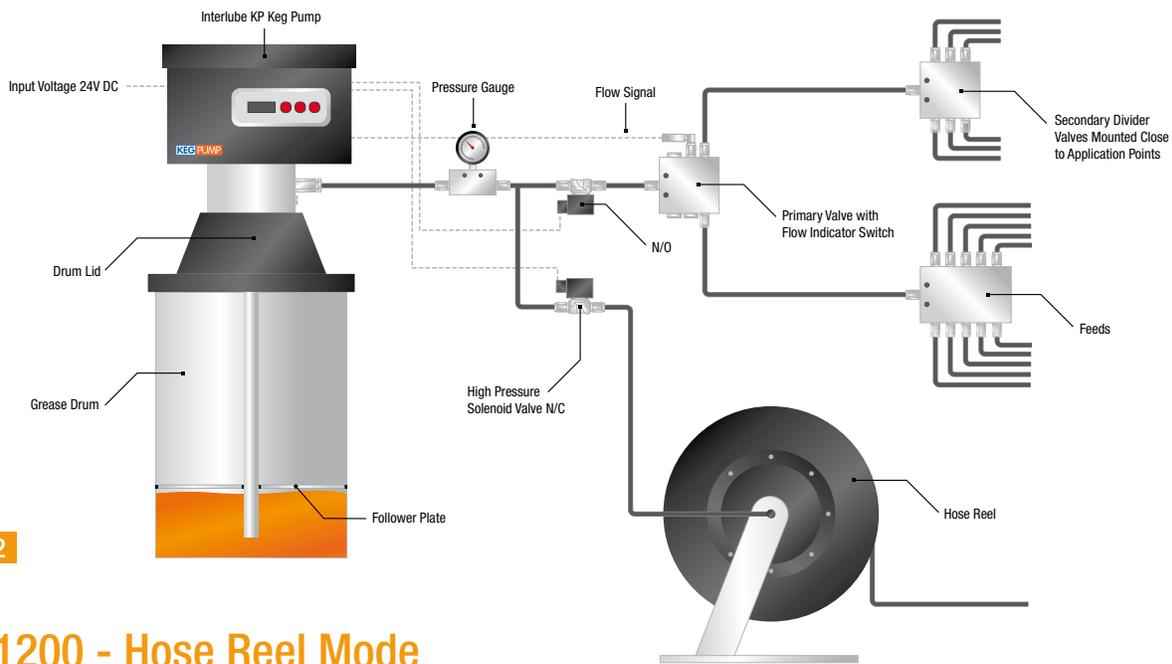


FIG 2

KP1200 - Hose Reel Mode

This is similar to the standard mode with the addition of the hose reel function. When activated, the system diverts the output from the pump to a hydraulic hose reel and runs the pump for 10 minutes before dropping back into normal run mode and re-directing the output back to the lubrication system.

KP1200 - Injector System

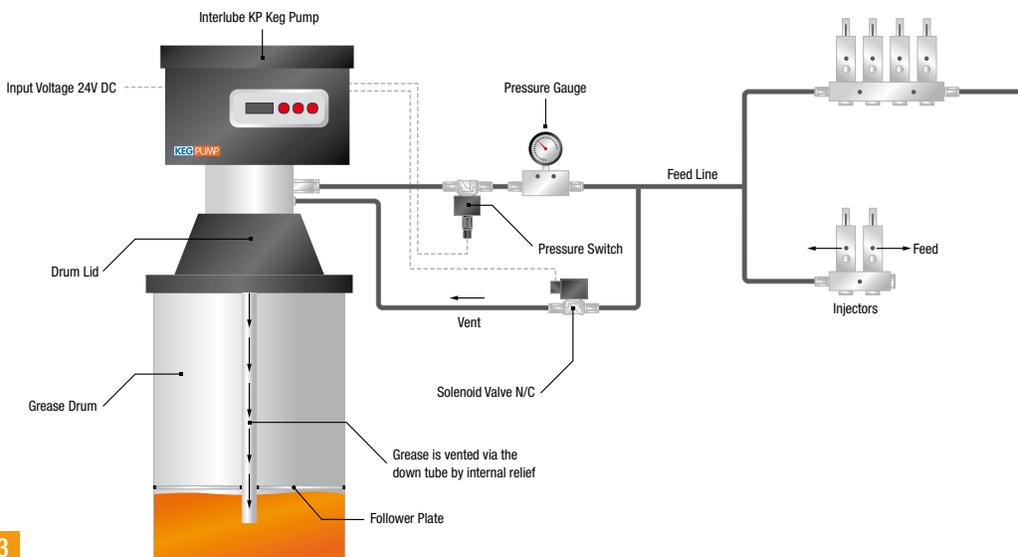


FIG 3

KP1200 - Injector Mode

The pump is designed to operate grease injectors. The run time is controlled via a pressure switch fitted to the system and the adjustable delay time is between 15 minutes - 24 hours and 45 minutes 15 steps.

Electrical Controls

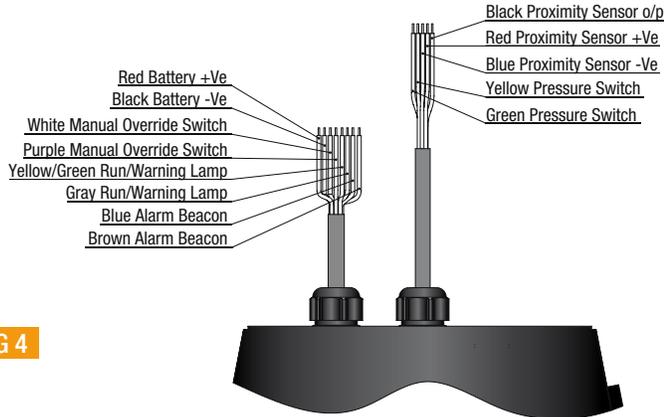


FIG 4

**KP1100 -
Pump for Standard
Progressive System**

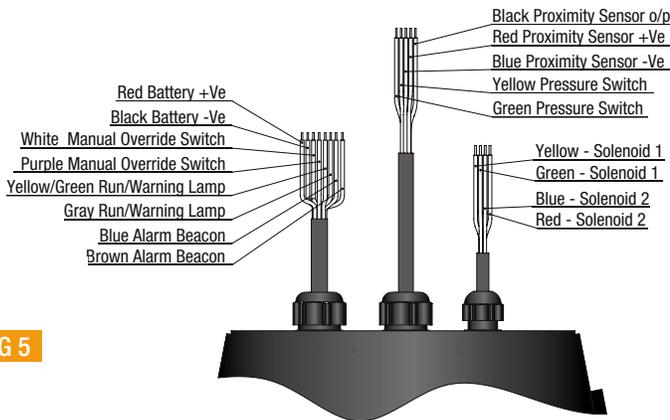


FIG 5

**KP1200 -
Pump for Hose Reel and
Progressive System**

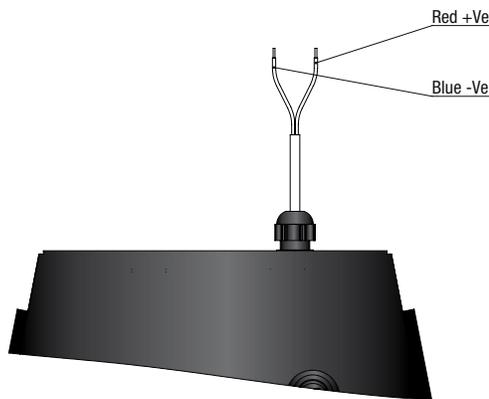


FIG 6

**KP1300 -
Pump with No Internal
Controller**

Electrical Data

- 24V DC
- Running Current Max 10A
- 250 Watts

KP Programming

Programming of Keg Pump

1. Press the **'Select'** and **'Enter'** buttons together for 5 seconds, this puts the pump into programming mode
Display will show **'S1'** (this sets the operating mode).



FIG 7

2. Press the **'Enter'** button to set this parameter
Display will show **'Std'** for Standard Mode.



FIG 8

Press the **'Enter'** button to accept this mode, press the **'Select'** button to toggle the display to show **'HOS'** for Hose Reel Mode. Pressing **'Enter'** will accept this mode, pressing **'Select'** Button again will toggle the display to show **'InJ'** for Injector Mode. Again pressing **'Enter'** button will accept this mode and pressing **'Select'** Button will toggle the display again to show **'Std'** for Standard Mode.
Display will show **'S2'** (this set sets the run time).



FIG 9

3. Press the **'Enter'** button to set this parameter
Display will show **'60'** this is equivalent to a run time of 60 seconds.



FIG 10

Press the **'Enter'** button to accept this setting, pressing the **'Select'** button will increment the time in 10 second steps up to a maximum of 180 seconds, the time will then reset to 60 seconds. When the required run time is

displayed press the **'Enter'** button to accept the time displayed.

Display will show **'S3'** (This sets the Delay Time).



FIG 11

4. Press the **'Enter'** button to set this parameter
Display will show **'00H'** this is equivalent to the dwell time in hours.



FIG 12

Press the **'Enter'** button to accept this setting, pressing the **'Select'** button will increment the time in 1 hour steps, when the required time in hours is shown press the **'Enter'** button to accept this value.
Display will show **'.15'** this is equivalent to the dwell time in minutes.



FIG 13

Pressing the **'Select'** button will increment the time displayed in 15 minute steps (15, 30, 45 & 0)

If dwell time in hours set at 0 hours then dwell time of 0 minutes is not allowed.

Display will show **'PC'**.



FIG 14

This indicates that the programming is complete the pump will drop back into "Run" mode and a run time sequence.

KP Parts and Kits

Pump Head



Part No.	Maximum Output	Maximum Pressure	Power	Controller
KP1100	102 grams (3.6 oz.) per min	300 bar (4,351 lb psi)	24V DC	Yes
KP1200	102 grams (3.6 oz.) per min	300 bar (4,351 lb psi)	24V DC	Yes
KP1300	102 grams (3.6 oz.) per min	300 bar (4,351 lb psi)	24V DC	No

Internal relief valve factory set at 300 bar (4,351 lb. psi)

Kits



KP12.5 / KP35 KIT



KP20 KIT



KP50 / KP120 KIT



KP180 / KP400 KIT

Part No.	Euro Size	USA Size	Dimensions		
			Follower Plate	Drum Lids (Diameter)	Extension Tube Overall Length
KP12.5	12.5 kg	35 lb	260 - 298 mm	310 mm	332 mm
KP20	20 kg	–	300 - 340 mm	310 mm	332 mm
KP35	–	35 lb	260 - 298 mm	310 mm	332 mm
KP50	50 kg	–	330 - 370 mm	400 mm	560 mm
KP180	180 kg	–	550 - 590 mm	609 mm	770 mm
KP120	–	120 lb	330 - 370 mm	400 mm	560 mm
KP400	–	400 lb	550 - 590 mm	609 mm	740 mm

KP Accessories

Outlet Fittings



Part No.	Description
25783-400	Pressure gauge
ABT-1/4	6.35 mm (1/4 in.) BSP anchor block
25478-141	6mm O.D. x 1/4" BSPT male stud connector straight
25478-111	6mm O.D. x 6.35 mm 1/4" BSPT male stud elbow

Solenoid Valve



Part No.	Description
23781-350	24V DC solenoid valve N/O
23781-351	24V DC solenoid valve N/C

Pressure Switch



Part No.	Description
23773-100	Fully adjustable pressure switch

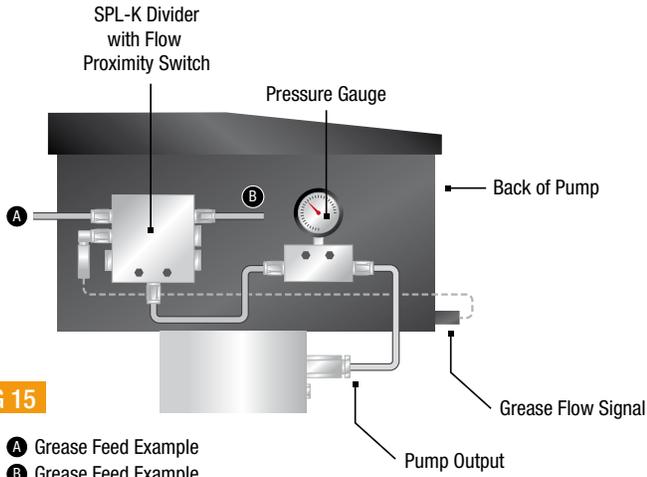
Divider Valve



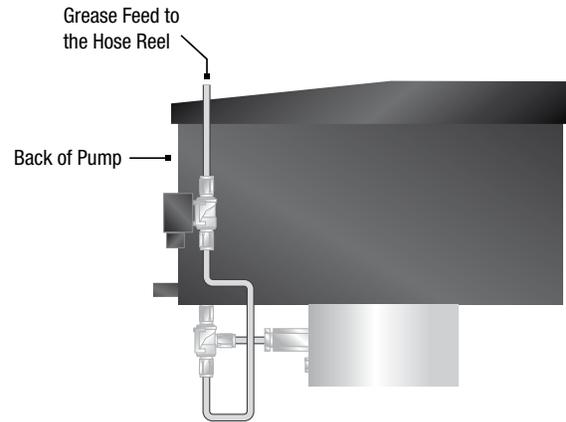
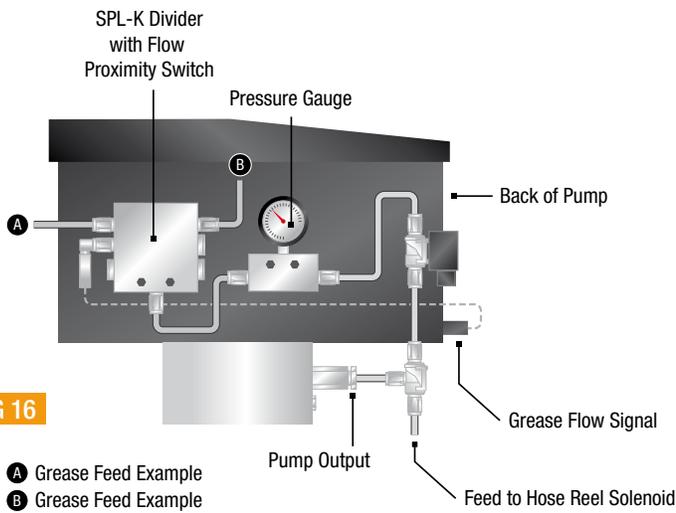
Part No.	Description
SPL-06K	6-way divider valve with indicator pin
SPL-08K	8-way divider valve with indicator pin
SPL-10K	10-way divider valve with indicator pin
SPL-12K	12-way divider valve with indicator pin
84316-434	Proximity adapter
27831-500	Proxy switch
25227-800	Divider valve plug
25857-150	Check valve
25477-860	Check valve nut
25477-861	Check valve olive

KP Set Up

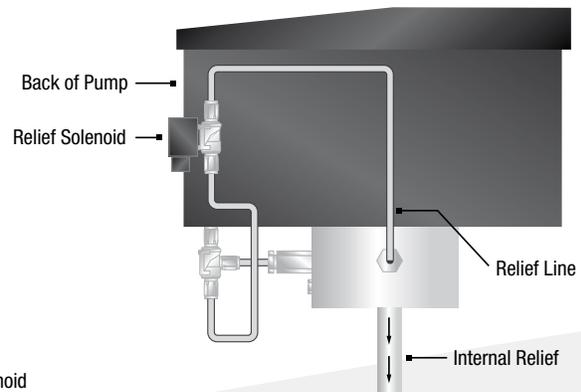
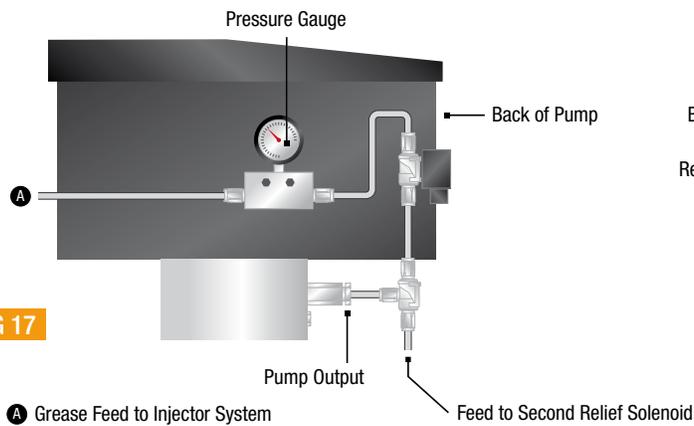
Standard Set Up



Hose Reel and Progressive Set Up



Injector Set Up



Tubes & Fittings

Main Feed Line Tube (Braided)

Part No.	Description	Burst Pressure
25210-126	8.6 mm x O.D. 2.3 mm wall tube grease filled	400 bar (5,800 lb psi)
25210-125	8.6 mm x O.D. 2.3 mm wall tube unfilled	400 bar (5,800 lb psi)
TML-12.0-2.5F	12 mm x O.D. 2.3 mm wall tube grease filled	400 bar (5,800 lb psi)
TML-12.0-2.5U	12 mm x O.D. 2.3 mm wall tube unfilled	400 bar (5,800 lb psi)



Secondary Feed Line Tube (Polyamide Nylon)

Part No.	Description	Burst Pressure
25210-121	6 mm O.D. x 1.5 mm wall grease filled	250 bar (3,625 lb psi)
25210-120	6 mm O.D. x 1.5 mm wall grease unfilled	250 bar (3,625 lb psi)



Re-usable Studs (Inserts) and Sleeves (Ferrules) for Main Line Braided Tube 8.6 mm+

Part No.	Description	Tube
25478-195	Re-usable sleeve	8.6 mm
25478-196	Re-usable stud - 6 mm O.D.	8.6 mm



Straight Compression Fittings

Part No.	Description
25478-150	6 mm O.D. x M6x1 male connector
25478-151	6 mm O.D. x M8x1 male connector
25478-131	6 mm O.D. x 1/4" BSPT male connector
25478-130	6 mm O.D. (0.23 in) x 1/8" BSPT male connector



Elbow Compression Fittings

Part No.	Description
25478-120	6 mm O.D. x M6x1 male connector
25478-121	6 mm O.D. x M8x1 male connector
25478-111	6 mm O.D. x 1/4" BSPT male connector
25478-110	6 mm O.D. x 1/8" BSPT male connector



Ordering Method

SELECT pump for specific application

KP1100 – Standard progressive system with controls

KP1200 – Hose reel & progressive systems, Injector systems with controls

KP1300 – No controller

SELECT grease keg kit

KP12.5
For 12.5 kg (35 lb) keg

KP20
For 20 kg keg

KP35
For 35 lb keg

KP50
For 50 kg keg

KP180
For 180 kg keg

KP120
For 120 lb keg

KP400
For 400 lb keg

CONTACT US - Contact details can be found on the back cover





PREMIUM TIMKEN GREASES

- *Extreme-pressure and anti-wear additives, as well as corrosion inhibitors.*
- *Operates effectively in temperatures from -40°F to +300°F (-40°C to +149°C).*
- *Compatible with calcium- and lithium-thickened greases.*
- *Available for ongoing maintenance and lubrication needs.*

TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, belts, chain and related mechanical power transmission products and services.

Stronger. **Commitment.** Stronger. **Value.** Stronger. **Worldwide.** Stronger. **Together.** | Stronger. **By Design.**

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