

INTERLUBE

Leaders in Lubrication Solutions

XGS - Typically used on Large Trucks and Quarry Equipment.

The premier electrically and pneumatically operated multi-line automatic lubrication system, designed for all trucks, buses and plant vehicles. XGS is capable of servicing up to 60 lubrication points as standard and is suitable for use with oil, fluid grease and heavy grease applications.

System Capability

- Can serve up to 108 lubrication points.
- Suitable for oils and grease up to NLGI grade 2.
- Variable electronic time cycle settings via an IP67 rated controller.

System Features

- Clear 2kg reservoir provides visual lubricant level.
- Colour coded pumping units with outputs from 0.010cc to 0.100cc.
- Multi-line concept enables each chassis bearing to be lubricated independently.
- Precise lubrication delivery whenever the vehicle is in motion.

System Benefits

- Damage to one feed line does not render the system inoperable.
- Ease of installation.
- High build quality and reliability.

Accessories

- A complete range of accessories and installation service is available.



XGS

Interlube XGS - controlled multi-line lubrication - wherever your journey takes you...

PUMP SPECIFICATION & DIMENSIONS

The INTERLUBE XGS PUMP range is available in a number of options as shown in the table below:

XGS PUMP ASSEMBLY
(with integral reservoir and mounting bracket)

- 1-12 outlets XGS 4012
- 13 - 24 outlets XGS 4024
- 25 - 36 outlets XGS 4036
- 37 - 48 outlets XGS 4048
- 49 - 60 outlets XGS 4060

(Pumps with more than 60 outlets are available subject to minimum order quantities. On all models, unwanted outlets are blanked off).

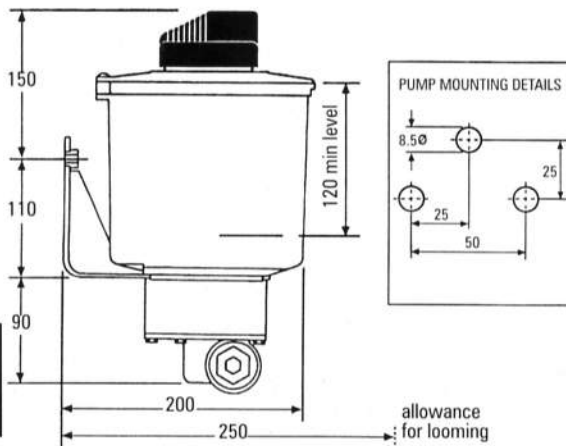
- Nominal reservoir capacity 2kg
- Nominal weight (60 units full) 7kg
- Input operating pressure 4.6 to 10.5 Bar
(0.46 to 1.05 MN/m²).
- Maximum air consumption: 0.002m³ per hour
- Protection class IP65

SYSTEM	RECOMMENDED LUBRICANTS					
	OILS SAE 80/90	NLGI GREASES				
		000 Fluid	00 Semi Fluid	0 Soft	1 Stiff	2 Hard
XGS Multi-line Air	✓	✓	✓	✓	✓	✓
Upper Temp. Limit	+40°C	+40°C	+40°C	+40°C	+40°C	+40°C
Lower Temp. Limit	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C

Specific Temperature and Lubricant information is available on request.

PUMP DIMENSIONS

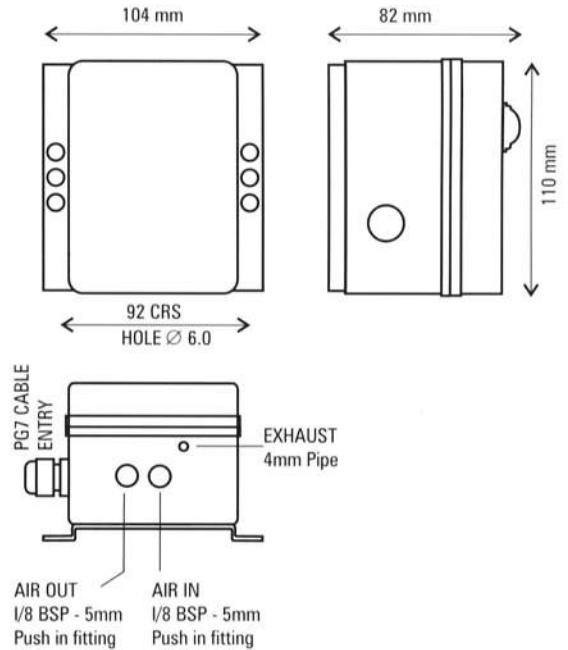
On installation allow space for cap removal and refitting.



XGS

SYSTEM CONTROLLER SPECIFICATION & DIMENSIONS

The INTERLUBE XGS PUMP SYSTEM is operated by an electronic time cycle controller, with time settings providing a variable range of run and delay times to meet the requirement of modern fleet lubrication.



The controller creates an air pulse onto the pump piston which operates the camshaft and dispenses via the pumping unit a precise amount of lubricant to each individual bearing point requiring lubrication.

CONTROLLER SPECIFICATIONS

- VOLTAGE: 12 or 24 VOLT
(must be specified at time of ordering).
- OPERATED BY: solid state timer and solenoid valve, 10 to 30 volts DC.
- PROTECTION: control box rated to IP67.

TIME SETTINGS

TIMER CYCLE SECS.	SWITCH POSITIONS ON						PUMP CYCLE MINS
	1	2	3	4	5	6	
18	■						4.5
30	■	■					7.5
42	■	■	■				10.5
52	■	■	■	■			13
62	■	■	■	■	■		15.5
72	■	■	■	■	■	■	18
83	■	■	■	■	■	■	21
94	■	■	■	■	■	■	24
105	■	■	■	■	■	■	27
120	■	■	■	■	■	■	30
132	■	■	■	■	■	■	33
144	■	■	■	■	■	■	36

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DISTRIBUTION SYSTEM

Each lubrication point is serviced by its own individual feed line, via a dedicated pumping unit. The system is capable of handling SAE 80/90 Oil and grease up to NLGI Grade 2. The feed lines are 4mm OD semi rigid black nylon tube, UV stabilised, rated 140 BAR (14 MN/m²). Individual bearing lubrication on a multi-line system ensures that an accidental pipe breakage affects only ONE lubrication point, not the complete system.

OPERATING SEQUENCE

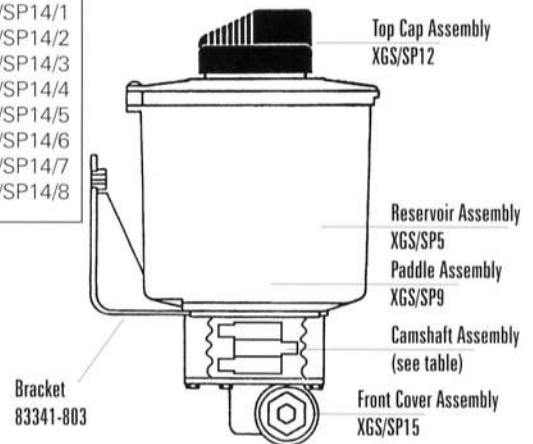
The XGS system operates from existing vehicle services, its electrical supply being taken from the ignition circuit and air pressure from the auxiliary supply. This ensures automatic lubrication whenever the vehicle is in motion, each pump cycle being governed by the controller and unaffected by ignition interruptions. Each pulse of air pressure applied to the pump air motor causes the cams to partially rotate, completing one lubricating cycle every 15 pulses. As the cams advance, each pumping unit in contact with the cam lobe discharges a predetermined volume of lubricant into its bearing, automatically recharging as the cycle proceeds. This slow process is the secret behind the all-weather capability of XGS. Because lubricant is delivered only in very small quantities, pressure drop in distribution lines is reduced to an absolute minimum, and the system will function efficiently in the most severe climatic conditions.

SYSTEM ACCESSORIES

The XGS system is complemented by a comprehensive range of system accessories, which enable INTERLUBE SYSTEMS to provide the complete lubrication package from vehicle ignition to bearing point, system filling to lubricant. (See technical data sheet on 'System Accessories' for further information).

The following PRIMARY spares for XGS are available as detailed below:

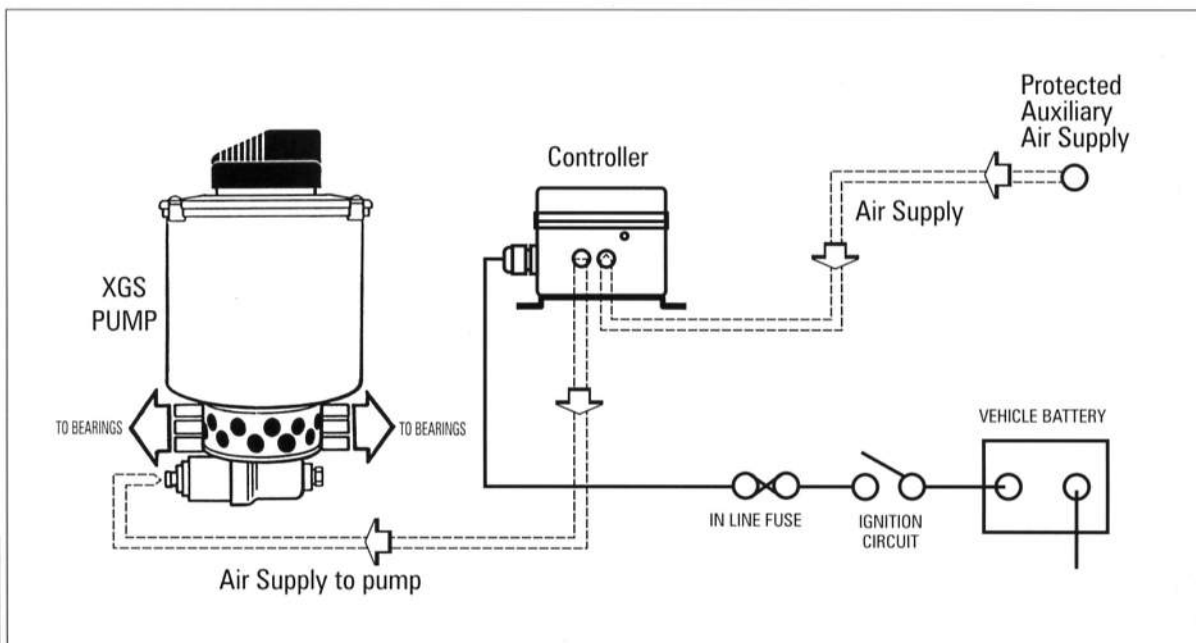
Pump Outlets	Spares Kit
12	XGS/SP14/1
24	XGS/SP14/2
36	XGS/SP14/3
48	XGS/SP14/4
60	XGS/SP14/5
72	XGS/SP14/6
94	XGS/SP14/7
106	XGS/SP14/8



Additional spares information is available upon request.

INTERLUBE WARRANTY

The INTERLUBE XGS SYSTEM carries a 2 year warranty on ALL parts, (subject to normal terms and conditions of sale), in line with completion of our 'System Warranty Registration Card.'



XGS

KEY TO MULTI-LINE CHASSIS LAYOUT

Typical Bearing Chart

1.	Power Steering Cylinder Front
2.	Power Steering Cylinder Intermediate
3.	Power Steering Cylinder Rear
4.	Track Rod End
5.	Shackle Pins Front
6.	Clutch operating Shaft (Split Feed* - see note)
7.	Spring Pins
8.	Shackle Pins Rear
9.	Brake Cam Shaft Front
10.	King Pins
11.	Brake Cam Shaft Rear

*Split Feeds are only permitted on oil lubrication systems.

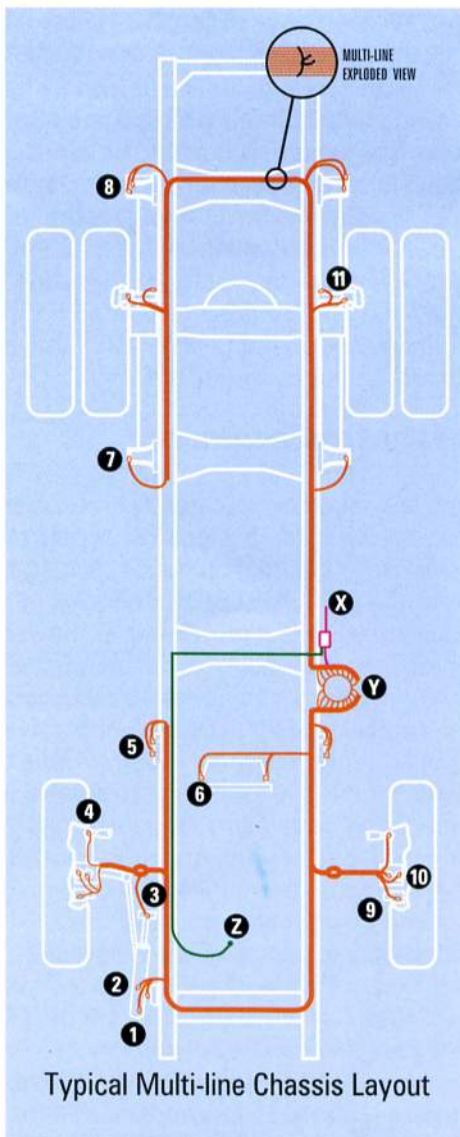
Other Bearings usually connected to the lubrication system:

	Oil Systems	Grease Systems
Balance Beam Bearings (2 feeds)	2 x 0.040	2 x 0.040
Drag Link Ball Joint	0.040	0.040
Gear Lever Linkage	0.010	0.015
Accelerator Cross Shaft	0.010	0.015
Pedal Linkages	0.010	0.015
Brake Slack Adjusters	0.015	0.025
Tipping Body Hinges	0.015	0.025
Fifth Wheel Coupling Pivot Point	0.015	0.025
Fifth Wheel Coupling Jaws	0.015	0.025

X	Control Box
Y	Pump Air Supply
Z	Ignition Controlled Electrical Supply

Pumping Unit

Oil Systems	Grease Systems
0.015	0.025
0.015	0.025
0.015	0.025
0.040	0.040
0.025	0.040
0.010	0.015
0.015	0.025
0.040	0.040
0.010	0.015
0.025	0.040
0.010	0.015



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