



**Centralised Lubrication System
for
Mining and Quarry Screen Bearings**

Centralised Lubrication Systems for Mining and Quarry Screens

For **TWO** Bearings - Using the Ciso GT Plus Pump and the DXF Progressive Divider Valve

With Lube Control's Centralised Lubrication System (CLS) for Screen for screen bearings using Ciso GT Plus pump you will:

- Extend screen bearing life by ensuring both bearings receive the right amount of grease frequently and reliably.
- Improve machine uptime by lubricating continuously during operation, removing the need for manual greasing
- Have safer operation with minimal waste, no over lubrication, and reduced contamination whilst forming a grease collar to keep dust out
- Have a consistent performance across harsh environments, high loads, and continuous duty applications.

THE PRINCIPLE

The GT Plus pump is a small, strong and versatile lubrication pump that is the heart of the progressive lubrication system that allows grease (up to NLGI 2) to be distributed accurately to both bearings of the screen. The GT Plus pump is designed for pre-programmed lubrication as required. The pump exerts 4ml/minute per pumping element. The pumping elements exert up to 300bar pressure that allows lubrication points further than 20m to be lubricated.

The pumping element is connected to a DXF progressive divider valve. This divider valve contains a series of spools allowing a predetermined quantity of lubricant to be discharged. These spools work in a progressive manner to hinder any lubricant from taking the path of least resistance. The divider valve also incorporates a visual cycle pin letting the user know grease is flowing through the system correctly

The system is easy to control and program with a built-in timer that allows a variety of output settings. Further options allow the system to be monitored by an electrical switch on the DXF divider valve.

Screen bearing typically need between 5ml to 20ml per day, set correctly our standard 2L CLS for Screen bearings will last between 10 and 40 weeks.

The Standard Screen bearing lubrication kit comes with:

- 1 x 2L GT Plus lubricator 24V, Incorporating an easy to control timer and pumping element and relief valve
- Filling nipple with 180micron filter
- Manual override grease nipple
- 15m high pressure hose and fittings with 1/8BSP ends

Optional Extras and variations

- Various sizes; 2L, 4L, 8L and 12L
- Various voltages 12V, 24V or 240V
- Extra pumping elements for other parts of the machine
- IP66 enclosure
- Electrical monitoring of grease flow through the DXF divider valve



GT PLUS TECHNICAL INFORMATION

Number of Pumping Elements	Up to 5
Flow per pumping element	4ml/min
Operating Pressure per pumping element	300bar (30MPa)
Outlet connection	6mm compression fitting
Reservoir capacity	2, 4, 6, 8, 12L
Lubricants	Oil to NLGI 000, 00, 0, 1, 2
Operating temperature	-50°C to +90°C
Manual override	Yes
Programming	Integrated control timer
Monitoring	Low Level alarm and over pressure relief valve



ORDERING DETAILS

CLS-SCREEN-2PTS-24V Complete Lube System to suit 2 x screen bearings, 24V with 15m high pressure hose and fittings



Parts List

1	180 micron filter and grease nipple (x1)
2	CISO GT Plus 2L, Pump, 24V (x1)
3	CISO GT Pump outlet safety/relief valve (x1)
4	8.6mm High pressure grease hose (15m)
5	9mm Spiral guard (6m)
6	2 Outlet DXF progressive divider valve and manual priming nipple (x 1)
7	8.6mm Nylon weld on hose clamps
8	High pressure hose studs (x6)
9	Compression fittings (x6)
10	Screw Sleeves suit 8.6mm hose (x6)

SPARE PARTS AND ACCESSORIES

12710	Wiring assembly 5 wires, 10m – (7 Pin Tyco)
80536	CISO GT Plus Pumping Element Suit pump 4ml/min
5FJ01	CISO GT Pump outlet safety/relief valve (35Mpa)
41-BOX400X400X300	Powder coated enclosure 400mmW, 400mmH, 300mmD, IP66
ADD-DXFIS	Add Inductive/proxy Sensor – Consult Lube Control
HPH8.6	High pressure hose 8.6mm/m (10m increments)

For complete spare parts list see www.lubecontrol.com.au





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