

# POWERED FLUSHING SKID

## Designed specifically for TRUCK AXLE and FINAL DRIVE FLUSHING



**This series of Flushing skids are designed for use on mobile equipment during scheduled servicing. They are set up for use on the front and rear axles (differentials and final drives). Features are as follows:**

- ◆ 4 Wheels, large diameter, lockable and steerable.
- ◆ Large Catch Tray to contain oil spillage (complete with drain point).
- ◆ 3 x Industrial rated GRACO, Self-Retracting hose reels suitable for 1" and 1 1/2" Hydraulic Hose.
- ◆ 4 x Steel drawers on bearing slides, detented in the open or closed positions.
- ◆ 149 Micron, Suction Strainer assembly connected between Suction Hose Reel and Pump Suction (for protection of the Pump).
- ◆ Cast Iron Gear Pump producing 30 L/min (suitable for oils of viscosity range ISO VG 10 to ISO VG 460 ).
- ◆ Single Phase, 240V 4 Pole, 1.5 kW electric motor, coupled to the Pump via an aluminium bell housing.
- ◆ 40" Pall SRT Housing ( will accept UE319AZ/AP/AS/AN/AT-40" Element).
- ◆ Lockable Isolation Valves before and after the Pall filter housing.
- ◆ The delivery of Oil from the Pall Filter Housing to the 2 x Discharge Hose Reels occurs through an adjustable Flow Splitter Valve arrangement. This enables the user a basic control of the rate of flow to the right and left Wheel Hubs.
- ◆ The Pump is protected from cavitations by a Vacuum Switch. The switch, set at 0.8 bar vacuum, shuts the electric motor down in the event of a high vacuum being sensed in the suction line. There are several causes of high vacuum in the suction line but most commonly are a blocked line or Suction Strainer.
- ◆ The Instrument Panel features an Hour Meter, Differential Pressure Gauge, Delivery Pressure Gauge, "before" and "after" sample points and a Vacuum Pressure Gauge. The element inside the Suction Strainer can be removed if blocked, and cleaned. The element is constructed from a Stainless Steel 149 micron gauze, and is designed for repeated use.
- ◆ The Differential Pressure Gauge is colour coded and will indicate the differential pressure across the Pall Filter housing. The scale on the Differential pressure gauge indicates between 0 – 600 kPa. From 350 kPa, the scale is coloured Red. Filter bypass occurs at 450 kPa. A replacement element should be procured when the indication is in the Yellow zone which lies between 250 kPa and 350 kPa.
- ◆ The Stainless Steel Electrical enclosure features a Lockable main isolator, a "stop/start" button, "Over-load" reset button, "High-vacuum" reset button, an hour meter, "standby" Lamp, "RUN" lamp, "Over-load" lamp, "High Vacuum" shut-down lamp, "healthy DP" lamp and "high DP" lamp. The control circuitry is 24VDC which is provided by the enclosed 240VAC/24VDC-Rectified, Regulated power supply.
- ◆ The Hour meter measures only run time and is resettable.
- ◆ The 40" Pall Filter housing is fitted with a RC0113CZ091H – combination POP-UP and electrical, blocked Filter Indicator. An air bleed point and a housing drain down valve is included.
- ◆ The Filter Cart is blasted and powder coated to client specific colours.
- ◆ All plumbing up to hose reels are included. Hoses can be supplied on the hose reels as requested by the client.

*"The Leader in Fluid Power Design and Service"*



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