

## User Guide for MGR Fluid Power Filter Trolleys

MGR Fluid Power filter trolleys have been designed to be easily used and simply maintained.

### **Introduction**

Before starting up we would advise certain checks are carried out;

Check the electrical components and cable for damage

Check the hoses for damage and dirt ingress

Ensure there are no leaks

Keeping your trolley clean will help keep your systems clean



Check hoses and filters

Check the electrical components for damage, if damaged call MGR for assistance. Do not connect to an electrical supply or start.

## Using your Filter Trolley

The trolley can be used for transferring oil from barrels or filtering reservoirs. If transferring from barrels place the suction pipe in the barrel and the outlet pipe into the reservoir of the receptacle to which the oil is being transferred. If filtering a reservoir, ensure both outlet and suction pipes are in the reservoir but as far apart as possible to allow the circulation of flow.

Before starting the unit ensure the pipes are clean before inserting them into the oil. On start - up ensure the filters are not blocked by viewing the indicators.



Check filter blockage indicators

If the oil is cold, its viscosity may be too high to pump effectively and the filters will show blocked in the pump bypass valve will operate. The oil will need to be heated up to flow efficiently. The MGR Fluid Power trolley is designed to pump fluids with a maximum viscosity 250 cSt. Fluids with a higher viscosity will not be pumped or filtered efficiently.

It is important to change filters when required. The suction filter is a coarse strainer and is 500-micron and is designed to remove big particles. It is advised that this is cleaned on a monthly basis. The outlet filters are standard spin on cans and are available in synthetic or cellulose media from 25-micron to 3-micron. If water removal filters are required, the synthetic media must be used for the main filters and a water removal filter is attached at the furthest outlet of the trolley.

When changing cans, it is important to lubricate the seal with oil before screwing it onto the filter head.

New filter cans and replacement parts can be purchased from MGR Fluid Power.