

Giant Off-line Filtration Unit



Description

The Giant Offline Lubrigard Filtration Unit is a heavy-duty offline filtration system designed for industrial hydraulic and lubrication systems. It ensures efficient removal of contaminants such as water and particulate which keep you lubricant clean and dry and in an optimal state.

The system features two single length vessels able to filter in series or in parallel which enables a variety of element configuration depending on filter configuration. The system uses either bag filtration, particle or coalescing filtration options.

System Monitoring

- GEO mapped for location
- Remote stop and start
- Differential pressure monitoring across each vessel
- Remotely adjustable pressure settings, depending on filtration configuration
- Total system pressure monitoring, rig trip protection.
- Rig trip notification
- Filter block notification

Key features

- Heavy duty design
- Equipped with VSD
- Sampling valves
- Equipped with mini-mess points for continuous cleanliness testing
- High-efficiency multi-stage filtration
- Mobile skid with forklift load points
- iGard platform for rig monitoring and control

Available filtration options

- High strength magnetic pre-filter, standard on suction line
- Bag filters are available in 1-10-20 micron
- High efficiency glass fibre particulate elements available in 1, 5, 10 and 20Micron
- Electrostatic elements on request
- Coalescing elements





Product specifications

Lubrigard giant off-line filter offers versatile, high-efficiency filtration, combining magnetic, coalescing, bag, and particulate filters to meet specific application needs. With filter elements ranging from 1 to 20 microns, it effectively removes contaminants, ensuring optimal fluid cleanliness. The system features remote DP monitoring and control, adjusting based on the filter type in use. Additionally, it is geo-mapped, remotely activated, and will soon provide real-time ISO cleanliness level reporting for enhanced monitoring and maintenance planning.

Rig details	
Dimensions H x W x D and weight (kg)	1300x960x1420 Double length vessel system
Power supply and out put	50/60Hz 3ph 380v
Flow rate	Approx. 80 l/min (depending on frequency)
Viscosity range	12-800 cSt
Bag filter	1, 10, 20 micron
Particle filters	1, 5, 10, 20, micron glass fibre
Coalescing filter	3 micron glass fibre
Rig safety trip	9 bar

Filtration calculations are conducted before flushing operations, considering flow rate, fluid properties, and target cleanliness levels. Filter transient data sheets on request. System DP are set remotely depending on element in use.

Particulate Filter Pressure Drop (32Cst)

