

# 300 Series Filtration Unit

Reduce Oil  
Consumption  
by 50%

- Reduces oil usage by up to 50%
- Cuts Maintenance Costs by 25%
- Safe Guards Equipment Warranty's
- Removes contamination and water in Hydraulic, Fuel & Lubrication Systems to ISO cleanliness standards

- Incorporates 3 Micron Absolute Media and 10 Micron Water Removal.
- Filter "Element Change" Indicators Inbuilt on Filter Housings.
- Inbuilt Heaters for Maintaining Oil Viscosity for Faster more Efficient Filtration.
- Fully Automatic Pump Cut Out on Low Pump Prime.
- 28 l/min. Pressure Balanced Pump.
- 0.55kw Capacitor Start Electric Motor.

IN-TECH™

## Testimonial

**PT Freeport Mine, Indonesia**  
*(Largest Gold mine in the world  
and third largest copper mine)*

***"By using the filtration units  
we proved we could save  
150,000 litres of oil per year"***

Mr Alan Walpole  
Haul Truck Maintenance Superintendent



# The Portable Filtration Unit

## Ideal for

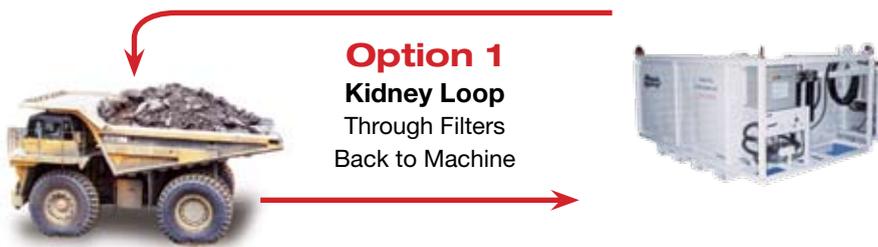
- Off-line contamination control of fluid systems.
- Replenishing installations with filtered fluid
- Emptying waste fluid quickly

The Intech Portable Filter System is designed for on-site preventive maintenance of fluid systems. Two high capacity filters are used, with fluid passing through a primary clean-up filter (RF2-1) and then through the final filter (CF2-1) giving effective contamination removal.

## Filtering Performance

Based on the following conditions:

- a) Initial contamination: 500,000 Particles/100 ML, 10 Micron or greater.
- b) 40W inlet and 10C outlet filters. (Beta ratio-8/10 equal to 2).
- c) Ingression rate equal to 100,000 Particles/min, 10 Micron or greater.



**Option 2**  
Off Machine Filtration  
From Tank through Filters  
Back to Tank



Reservoir Capacity (litres)	Approximate Clean-Up Time (Hours)				Desired Cleanliness Class. (I.S.O. 4406)			
	hrs	class	hrs	class	hrs	class	hrs	class
200	1/2	18/15	1	15/12	2 1/2	14/11	-	-
375	1 1/2	16/13	2 1/2	15/12	4	14/11	-	-
750	2 1/2	17/14	3 1/2	16/13	5	15/12	6 1/2	14/11
1150	3 1/2	17/14	5	16/13	6	15/12	9	14/11

## Ordering Information

Part No.	Description
1000732	Filtration System Tank Unit, Hydraulic

[www.direct-mining.com](http://www.direct-mining.com)

## Specifications

### Pump Drive Options:

0.55 kW Electric Motor 240V  
A.C. single phase 50HZ.

0.55 kW Electric Motor 110V  
A.C. single phase 50HZ.

### Pump:

28 i/min pressure balanced gear pump.

### Filters:

Moduflow CF2.1 & RF2.1 filters.  
Heaters 240 / 415V, 6kW

### Electric Details:

On-off switch to IP65.  
2 metre cable.

### Weight:

56 kg (Dry).

### Fluids:

Compatible with hydraulic oils, coolant fluids and petroleum-based fluids to 108 cSt max. with 0.85 S.G.  
Water glycol and phosphate ester options available.

## Contact us

### AUSTRALIAN OFFICE

Direct Mining & Industrial  
International Pty Ltd

113 Kew Street, Welshpool,  
Perth Western Australia 6106.

Po Box 506, Bentley,  
Perth Western Australia 6982.

Telephone: (61 8) 9355 2622  
Facsimile: (61 8) 9355 2633  
Email: [sales@direct-mining.com](mailto:sales@direct-mining.com)