



The Oil Drum

Where Reliability Centered Maintenance Begins

The oil drum; United Nations certified, with a capacity of 55 US gallons, 45 Imperial gallons, or 208 Liters. It's quite possibly the most recognized symbol of our industrial community. A nuisance or a convenience is open to debate, however the reality is, the oil drum isn't going away soon, so use it for all it's worth.

Generally the first step in fluid handling is filling a drum followed by dispensing the drum. Too often, these are also the first steps in oil degradation. Potentially, the contamination introduced at this point can be the most damaging, acting as the catalyst for an ever expanding wear cycle. The OILMISER™ FILLorDRAIN™ has effectively addressed this problem for over 25 years.

A chain is only as strong as its weakest link

Above (Fig.1) is the OILMISER™ team of Drum Dispensing tools, the basic Drum Dispensing Wand, # **FDD-1100-5533-QN51**, and the Off-Line Filtration Kit (Drum) # **OLF-1335-SP-QD51**.

Continuing with the theme of a safe and clean working environment, the Dispensing Wand Stand # **DWS-1135** completes the picture.

With an OILMISER™ FILLorDRAIN™ on the reservoir, and an OILMISER™ Dispensing Wand in the oil drum, the loop is closed in the fluid transferring procedure. You control the variables, be they the ever-present airborne contaminants, dirt and moisture, or a host of solid contaminants suspended in the lubricating oil. The real benefits of that filter cart can now be fully realized.

Pictured on the right (Fig.2) is a typical oil dispensing station, with the oil drum safely in the up-right position. Using an OILMISER™ Drum Dispensing Wand and a filter cart, the oil drum becomes a safe, and cost effective oil storage and dispensing station. When two or more oil grades are used in the same location, each oil grade is identified and assigned a designated Dispensing Wand and a Dispensing Wand Stand. The 2" NPT bung plug, once removed from the drum, is threaded into the Dispensing Wand Stand, a simple convenience that further supports a cleanliness mind set.



OILMISER™ Dispensing Wands have a separate filtered airway. This removes the need to open the 3/4" NPT drum bung. It also eliminates all the hazards associated with any unnecessary opening. In addition to the standard OILMISER™ 5µm air filter and cap, a number of top end adaptors (Fig.3) accommodate most particulate and water absorbing spin-on filters, and most of the desiccant air breathers.

Pictured above (Fig.2) is the OILMISER™ Filter Cart, # **OFC-15025-3403M-QD51**, featuring a 3 µm. microglass oil filter, a flow rate of 1.9 US gpm., a 1/4 hp. electric motor, and unparalleled portability.

Closing in on Cleanliness

Fig. 4

Kidney-Loop Filtration and *Oil Sampling* are two of the principal weapons in the arsenal of Reliability Centered Maintenance.

The earlier these procedures can be added to the battery of oil maintenance tools, the sooner the benefits of RCM will be realized.

The ideal starting point?
Your supplier's oil drum.



Fig. 5

Pictured above left (Fig.4) is a typical set-up for kidney-loop filtration right in the oil drum. Again, only the 2" NPT pipe bung is used. Any special or area specific air quality issues can be addressed with one of the optional *top end adaptors* and the appropriate air filtration system. All OILMISER™ Drum Dispensing units can be ordered with a *sampling port*. Oil samples are drawn using a standard vacuum pump. Now, cleanliness levels can be quantified at the very start of the reliability cycle. Drum dispensing (Fig.5) is as simple as disconnecting the return hose at the oil drum, and redirecting this polished oil into a secondary container.

The OILMISER™ Wall Mounted Drum Dispensing Station

Fig. 6

Pictured left and right is the OILMISER™ Wall Mounted Drum Dispensing Station.

WMD-PM2-ILF3403M-H150-60-QD51

Designed for dispensing from an oil drum into a secondary container, it features:

1. an air operated 3:1 piston pump with a wall mounting bracket.
2. An in-line non by-pass oil filter and condition indicator
3. A 3µm microglass Spin-On oil filter.
4. Two hoses with quick disconnects (Suction & Return ½" ID by 5 ft. long).
5. A hand held dispensing nozzle.
6. A manual air flow control.
7. The flow rate is a function of oil viscosity and the air supply parameters.
8. Shipped ready to install, and go to work immediately.

- Dispensing Wands and Dispensing Wand Stands are order separately.



Fig. 7