

Lightweight Easy-Clean Dry Sump Oil Tanks

If your oil pump pressure rotor and housing seem to be wearing too fast no matter how careful you are about keeping your oil system clean, this may be a sign that your dry sump tank is contaminated. It seems that no matter how thoroughly you clean and rinse an oil tank you can never get all the dirt out because of the many baffles.

On the other hand, if your tank does not have effective baffling or has inadequate provisions for air separation, you may have an even more serious problem. The best lubricants and oiling system can't properly protect your bearings if air bubbles are getting sucked into the pressure stage of the pump!

Our dry sump oil tanks can help solve both of these problems. Not only do they have an extremely efficient method of separating air from the scavenged oil but they are also very easy to disassemble for cleaning. These tanks are high-quality assemblies of machined, stamped and spun aluminum components. The top and bottom halves are held together with a stainless steel V-band and sealed with a large O-ring. This allows the inlet fitting to be aligned in any direction relative to the outlet fitting. The fittings on all tanks are threaded to accept O-ring port adapters. Just a few of the available adapters are shown below. Visit our website for a full list of adapters to connect just about any type or size oil hose to these tanks.

The twin vent fittings on the top have female NPT threads ($\frac{1}{2}$ NPT on the small and large sizes, $\frac{3}{4}$ BSP on the medium size). Right angle barbed fittings for your breather hose are included. Connect the side vent fitting to the valve cover breather vent. The center vent is the air outlet to your catch bottle or breather tank. The oil level in these tanks should be at least 2" to 3" below the oil inlet fitting.



- Small Oil Tank, 6.5" dia. x 14" high, M22 x 1.5mm O-Ring ports** Part No. 1256-200 \$549.00
Holds approximately 6.3 quarts when filled to a level slightly below the baffle. 16" high including $\frac{5}{8}$ " vent fittings.
- Replacement O-Ring for 1256-200 Oil Tank, 6.5"**..... Part No. 1256-208-6.5 \$8.99
- Replacement V-Band Clamp for 1256-200 Oil Tank, 6.5"**..... Part No. 1256-211-6.5 \$24.99
- Replacement Cap for 1256-200 or 1256-201 Oil Tank** Part No. 1256-210 \$24.99
- Replacement Vent Fitting, $\frac{1}{2}$ NPT to $\frac{5}{8}$ " hose** Part No. 1214-Fitting \$17.99
- M22 x 1.5mm O-Ring Port to 8AN Adapter with O-Ring (each)**..... Part No. SET-M22AN08-SE \$11.00
- M22 x 1.5mm O-Ring Port to 10AN Adapter with O-Ring (each)**..... Part No. SET-M22AN10-SE \$11.00
See page 77 or visit our website for many more M22 O-ring adapters, including hose barbs and male BSP adapters.

- Medium Oil Tank, 8.25" dia. x 14" high, M22 x 1.5mm O-Ring ports** Part No. 1256-201 \$599.00
Holds approximately 7.9 quarts when filled to a level slightly below the baffle. 16" high including $\frac{3}{4}$ " vent fittings.
- Replacement O-Ring for 1256-201 Oil Tank, 8.25"**..... Part No. 1256-208-8.25 \$8.99
- Replacement V-Band Clamp for 1256-201 Oil Tank, 8.25"**..... Part No. 1256-211-8.25 \$24.99
- Replacement Cap for 1256-201 or 1256-200 Oil Tank** Part No. 1256-210 \$24.99
- Replacement Vent Fitting, $\frac{3}{4}$ NPT to $\frac{3}{4}$ " hose**..... Part No. 1256-205 \$5.99
- M22 x 1.5mm O-Ring Port to 10AN Adapter with O-Ring (each)**..... Part No. SET-M22AN10-SE \$11.00
- M22 x 1.5mm O-Ring Port to 12AN Adapter with O-Ring (each)**..... Part No. SET-M22AN12-SE \$12.00
See page 77 or visit our website for many more M22 O-ring adapters, including hose barbs and male BSP adapters.

- Large Oil Tank, 9.5" dia. x 16" high, 16AN (1 $\frac{5}{16}$ -12) O-Ring ports**..... Part No. 1216 \$589.00
Holds approximately 9.5 quarts when filled to a level slightly below the baffle. 18" high including $\frac{3}{8}$ " vent fittings.
- Replacement O-Ring for 1216 Oil Tank, 9.5"**..... Part No. 1213-Large \$4.99
- Replacement V-Band Clamp for 1216 Oil Tank, 9.5"**..... Part No. 1214-9.5 \$36.99
- Replacement Cap for 1216 Oil Tank only**..... Part No. 1214-Cap \$39.99
- Replacement Vent Fitting, $\frac{1}{2}$ NPT to $\frac{5}{8}$ " hose** Part No. 1214-Fitting \$17.99
- 16AN O-Ring Port to 12AN Male Adapter with O-Ring (each)** Part No. 3604-16-12 \$31.99
- 16AN Male to 16AN Male Union without O-Ring (each)** Part No. 3225-16-16 \$29.99
- 1 $\frac{5}{16}$ " ID O-Ring Seal (each)** Part No. 3244-16 \$9.99

Please see our website for replacement parts for older Easy-Clean Dry Sump Tanks, Part Nos. 1212, 1215, and 1217.



View of disassembled oil tank. Ensuring cleanliness is never a problem with these tanks!

These oil tanks are not sealed during shipment from the manufacturer so be sure to open them and clean thoroughly prior to installation.



Left: Just two of the many different M22 x 1.5 O-Ring port adapter options we offer. Choose AN male, BSP male, reusable AN hose end, or barbed hose end.

OILING SYSTEMS

Oil Tank Heaters

Getting proper oil flow while warming up a cold engine can be difficult. The viscosity of oil at low temperatures can be high enough to cause the oil pump to cavitate which results in greatly reduced oil flow to the bearings and camshaft. Because of the high viscosity, your pressure gauge may show high pressure but that does not necessarily mean that the engine is getting an adequate volume of oil. This is especially critical on racing engines because of the larger bearing clearances that are normally used. Pre-heating the oil in the oil tank of a dry sump engine is a great way to prevent this problem. The easiest way to accomplish this without risking contamination or degradation from over-heating is with a properly sized external electric resistance heater which is wrapped around the oil tank.

We stock two sizes of a very high-quality silicone rubber heater blanket. Both types are designed to operate on standard 120 volt AC. Usually about 20 minutes of pre-heating is sufficient to increase the oil temperature to a safe level. However, more or less time may be needed depending upon the ambient temperature and the capacity of the oil reservoir. We also stock a special self-bonding silicone tape that is an ideal over-wrap for our heater blankets. This silicone tape bonds to itself to form an impervious protective jacket around the heater and also serves to hold it tightly to the tank to promote good heat transfer. This tape is so versatile that you'll probably find many other uses for it such as insulating and waterproofing electrical connections.

Do not attempt to shorten these heaters by cutting them. Doing so will destroy them.



Silicone Rubber Heater Blanket, available in two sizes
Part No.'s. 3920 and 3921

- 2.5" x 20" Silicone Rubber Heater Blanket, 200 watts, 120 volts** Part No. 3920 \$52.99
Recommended for our X-small, small and medium size oil tanks or other tanks of similar size. Completely assembled with cord and plug.
- 2.5" x 28" Silicone Rubber Heater Blanket, 280 watts, 120 volts** Part No. 3921 \$57.99
Recommended for our large oil tank or other tanks of similar size. Completely assembled with cord and plug.

Heaters should not be plugged in for more than 30 seconds unless they are attached to an oil tank or other heat sink. Otherwise they will overheat, which will reduce their life.



Self-Bonding Silicone Rubber Over-Wrap Tape
Part No. 3929

- Self-Bonding Silicone Rubber Over-Wrap Tape, 1" x 36 foot roll** Part No. 3929 \$27.99
Recommended for wrapping over any of the above heaters as a means of protecting them and to hold them tightly to the oil tank. This tape is great stuff and you'll probably find hundreds of other uses for it such as for insulating and waterproofing electrical connections.