



Data Sheet

AHF08x/AHF170 Millington Approved Dry Sump Tanks



Features

High strength, low weight, dry sump oil tanks for competition and fast road use.

Applications

AHF08x and the serviceable AHF170 oil tanks are designed to be fitted to competition engines of all sizes.

General Description

A good dry sump tank will perform two functions. The first is to store oil for the short period until it is needed by the engine, the second is to separate it from any gases that have been returned by the scavenge pump. When the oil is returned to the oil tank, it is very often a foam that is made up of the engine oil and air that occupies the crank case. The oil tank needs to be able to quickly separate the oil from the air so the lubricant is ready to be delivered to the engine again. This effective separation is something that our tanks are renowned for, the design often copied. However the design, position and dimensions of the various components are very important in producing a reliably performing product.

Available in various sizes to suit both petrol and diesel engines of various capacities, they are suitable for all common engine lubricants including synthetic ester based oils commonly used in motorsport. The smaller AHF086 and AHF170-2 are used in smaller vehicles used in hill climb and sprint, the larger 1.5 gallon AHF087 and AHF170-1 are used in rally and circuit racing. The largest 2 gallon AHF088 and AHF170-3 are designed for long distance and 24hr events where the longevity of the lubricant needs to be considered.

No oil should be rejected from the breather, although a catch tank is required by most Motorsport governing bodies. This is purely to mitigate the loss of oil in the event of an engine failure.

The AHF170 versions are equipped with a proprietary 'split-ring', allowing the unit to be completely disassembled for cleaning and inspection. Service kits are available with replacement o-rings and fasteners.



Oil tank models.

Part Number	Oil Capacity	Mounting Base Dimensions	Overall Height	Breather Union	Scavenge Union	Feed Union	Split Type	Weight
AHF086	1gallon	160x160mm	421mm	19mm	5/8BSP	5/8BSP	No	1365g
AHF087	1.5gallon	200x200mm	421mm	19mm	5/8BSP	5/8BSP	No	1755g
AHF088	2gallon	200x200mm	500mm	19mm	5/8BSP	5/8BSP	No	1960g
AHF170	1.5gallon	200x200mm	427mm	19mm	AN12f	AN16f	Yes	2625g
AHF170-2	1gallon	160x160mm	478mm	AN12m	AN12f	AN16f	Yes	2225g
AHF170-3	2gallon	200x200mm	505mm	19mm	AN12f	AN16f	Yes	2875g

Service kits.

Part Number	Compatibility	Contents
AHF210	AHF170, AHF170-3 & other bespoke 195mm tanks.	Main body o-ring, filler cap o-ring, M6 screws and washers, cap sticker.
AHF211	AHF170-2 & other bespoke 155mm tanks.	Main body o-ring, filler cap o-ring, M6 screws and washers, cap sticker.



AHF086

AHF087

AHF088



AHF170-2

AHF170

AHF170-3



Our dry sump oil tanks are trusted by engine builders and the finest vehicle preparation specialists, and are used across the globe. The only dry sump tank approved by Millington Racing Engines.