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## AEROFLOW PERFORMANCE

### AIR / OIL SEPERATOR

### WARNING!

THIS PRODUCT REQUIRES DETAILED KNOWLEDGE OF AUTOMOTIVE SYSTEMS. WE RECOMMEND THAT THIS INSTALLATION BE CARRIED OUT BY A QUALIFIED AUTOMOTIVE TECHNICIAN.

#### INTRODUCTION

Congratulations on your purchase of Aeroflow Performance air and oil separator catch can. Aeroflow Performance products cannot and will not be responsible for any damage, or other conditions resulting from misapplication of the parts described herein. However, it is our intention to provide the best possible products for our customer, products that perform properly and satisfy your expectations. Should you have any questions? Please call technical support at +61 2 8825 1900 and have the product part number on hand when calling.

This Aeroflow Performance air and oil separator protects your modern diesel and petrol engine by sustainably reducing the amount of oil entering the engine from blow-by gas in the crankcase ventilation system. The problem is compounded with modern engines fitted with exhaust gas recirculation systems (EGR) whereby a proportion of the exhaust gas is routed back into the engine. With the presence of oil from the crankcase ventilation system, the oil collects the exhaust particles. The combination of oil and exhaust particles from the EGR build up to a point where it blocks inlet manifolds and valves, resulting in reduced engine performance or failure.

This catch can feature two female -10 Orb fittings which can be adapted to any lines and fittings for plumbing purposes. Inside is a baffled system with stainless steel cleanable and reusable filter media to help with the breathability of the catch can.

A billet dipstick is located in the top of the lid simply unscrew and remove dipstick to check how full or empty the catch can is. The catch can have a -4AN located in the bottom which is plugged up from factory. It can easily be removed and have a drain valve installed in line for convenience to empty the catch can. If this is not suitable to drain the catch can. Unscrew the bottom half of the catch can and empty out, ensure to take note of the sealing O-ring and not to damage it upon removal and to reinstall apply a small amount of appropriate lubricate to the O-ring.

The dimensions of this product are:

Tank Diameter - 63.50 mm (2.5")

Overall Height - 146 mm (5.75")

Overall Depth (including bracket) - 82 mm (3.22").

It holds a capacity of 240mL.

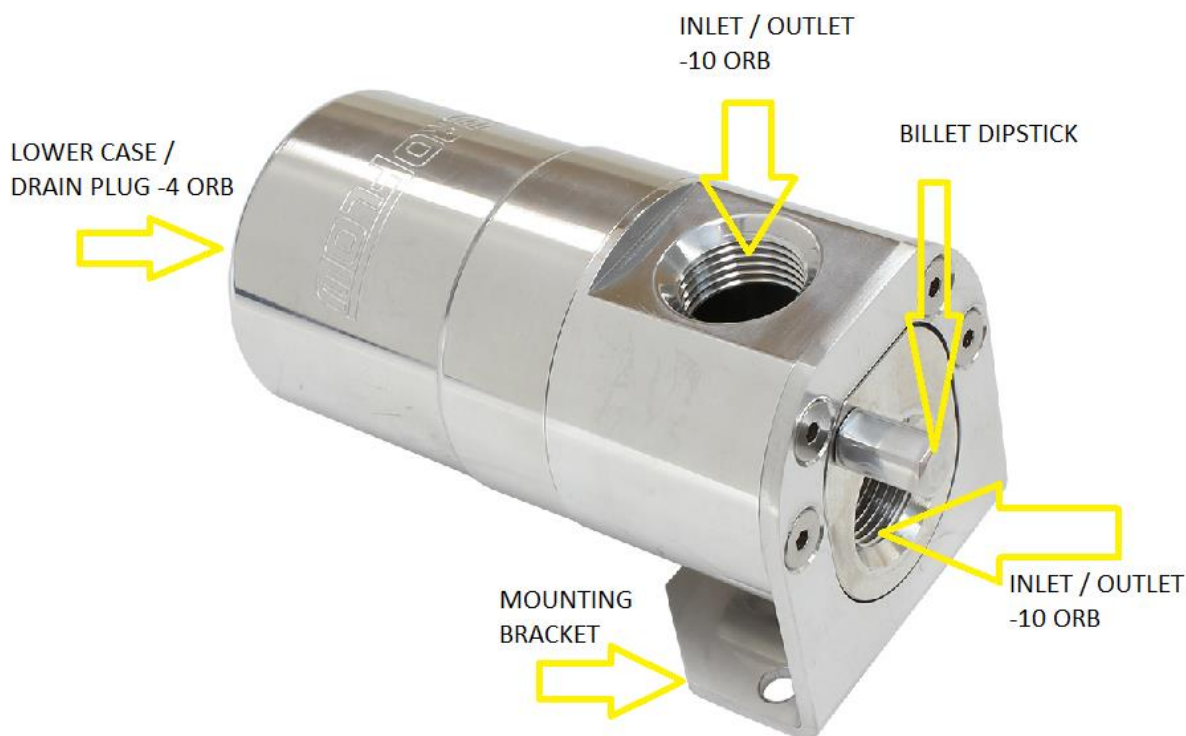
*For more information or technical enquires*

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To mount this catch can attached to the can is a mounting bracket with three holes (6.75 mm diameter). When mounting this catch can ensure it is correctly mounted and secured to vehicle using appropriate methods. Make sure all mounting holes are used to secure the tank. Ensure to mount and plumb up the breather system away from moving components or extreme heat sources to avoid any damages or accidents. If necessary, use heat sleeves or fabricate a heat shield to protect lines and tank from heat sources.

In order to properly install this breather tank on any application, you must have a basic understanding of the PCV system operation on the vehicle so you can determine the correct position of the feed and return lines. It is designed for universal applications and may require modifications in areas of the OEM breather systems. When it comes time to plumping the lines and fittings each and every vehicle is different and if you are unsure on how to setup the breather system, we recommend to contact a professional. As a guide line only the easiest and most common place to vent the crank case pressure is from the valve cover/s and second would be the upper half of the crank case. Special crankcase ventilation methods are required in boosted engines and for alcohol-based fuel cars.



**AF64-4373BLK** Universal Catch Can (Air/Oil Separator) Extension sold separately. The Aeroflow Performance billet universal catch can extension has been designed to work with our smaller universal catch cans (AF64-4363 or AF64-4364). This will allow you to unscrew the catch can and insert this larger extension piece to increase the capacity from 240ml to 1000ml. This is great for charger capacity engines or turbocharged applications that require the larger volume catch can to help reduce the amount of oil vapour entering the crankcase. A new long billet dipstick is included to accommodate the longer depth.

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