

WHAT MAKES US THE TOP DOG?

You have a choice – choose wisely – your diesel engine will thank you for it! PureFlow Technologies began developing the world's first diesel fuel air separation system in 1990. For the past 28+ years, we have focused on research and development of our product, to ensure that we are delivering the most reliable and effective fuel systems available on the market today for heavy duty diesel engines

FEATURE

US

THEM

Demand Flow System

ABSOLUTELY!

Our system returns just enough fuel to remove the air from the engine supply line. This is key for ease of installation. Our return line is routed through the existing engine return line, before the splitter valve, eliminating the need for a return line ran back to both fuel tanks. The remaining fuel is recirculated through the particulate filter until needed by the engine.

Nope...

Large volume return requires a separate return line to be ran back to the fuel tank/tanks, making installation more difficult and time consuming. This technology was used in our first generation system. My how times have changed!

Balanced Gerotor Pump

WE DO!

We balance the gerotor by feeding both sides of the gerotor with fuel, and we ensure a long lasting pump with a bearing on each side of the gerotor to greatly reduce wear.

Nope...

Fuel is only fed into one side of the gerotor, thus pushing the gerotor against the outside of the gerotor housing, causing excess wear and pump drag, resulting in premature pump failure.

Lovejoy Fitting

WE HAVE IT!

We incorporate a Lovejoy fitting between the electric motor and the gerotor pump, thus ensuring proper alignment of the pump and electric motor shafts. This feature greatly increases the life expectancy of the electric motor.

Nope...

No Lovejoy fitting, creating issues with shaft alignment. This results in premature electric motor failure.

Adjustable Pressure Regulator

SURE DO!

All of our AirDog fuel systems come standard with an adjustable pressure regulator.

Nope...

Check ball and spring. We used this 20+ years ago on our first systems.

Dual Stage Air Separation

THIS IS KEY!

Our AirDog system has a second phase of air separation that is lacking in our competitor's product. Any air that is not diverted out of the fuel by the flow dividers is caught and removed through our primary air/vapor discharge port.

Nope...

Single stage of air separation requires the bubbles to rise to the top and exit before being flushed through with the fuel to the injectors, resulting in incomplete air/fuel separation. Similar to our first generation technology... 20+ years ago.

Champ and Champ II Fuel Air Separation System

OUR LATEST TECHNOLOGY!

We have eliminated the need for an electric motor and gerotor pump. Diesel engines that have adequate transfer pumps do not need the additional electric motor and pump to achieve air separation. Super quick installation and half the expense, with no moving parts.

Nope...

Oh come on, man... This just isn't fair!

UNLEASH THE POWER OF AirDog®



AirDog[®]
HEAVY DUTY DIESEL FUEL SYSTEMS

AirDog[®]
FUEL FILTER
FF-200-MG 6 Micron
HIGH PERFORMANCE MICROGLASS MEDIA
PureFlow[®]
TECHNOLOGIES, INC.

AirDog[®]
WATER SEPARATOR/DEFUELER
WIDE MESH SCREEN MEDIA
PureFlow[®]
TECHNOLOGIES, INC.

