

POSITIVE PRESSURE – PRE-CLEANERS AND PRESSURIZERS

Powered Pre-Cleaners

By itself, an OE intake filter will not be sufficient to meet the OSHA silica standard or, for that matter, to handle the overall volume of dirty air that gets kicked up during off-highway work. That's where a Cabaire pre-cleaner and pressurizer unit comes in.

Made by Enginaire, a Cabaire unit mounts on the outside of the cab. It draws in dirty air and uses a centrifuge to spin 90% of all particles back out into the environment. The “pre-cleaned” air is then pumped through a paper or charcoal filter for a general level of protection or a high-efficiency filter that can trap 99.97% of particles down to 0.3 microns – HEPA level filtration.

The unit blows the filtered air into the cab through the intake air duct, creating a positive pressure that forces dirt out through exhaust vents on the cab or leaky areas like door and window seals.

Extending Service Life

Red Dot offers Cabaire systems in three configurations:

1. Cabaire RP, a pressurizer you can pair with a downstream filter (78R5120)
2. Cabaire PO, a pressurizer and air pre-cleaner (78R5125)
3. Cabaire S, a pressurizer/pre-cleaner/filtration system in one package (78R5130)

Regular cab intake filters can run hundreds of dollars each and require downtime to change them out. Pre-cleaning the air can extend filter life to the point where a Cabaire unit can pay for itself quickly.

Keeping the cab dust-free can also prolong the life of sensitive electronics and lead to lower head pressure in the A/C system. Of course, operator health and OSHA compliance are big benefits too.

Talk to your account manager about how to spec the right Cabaire system for Red Dot A/C units. Also have a look at the Red Dot/Cabaire literature:

<http://firewall.reddotcorp.com/pdf/Red%20Dot%20Enginaire.pdf>