

THE VORTEX CLEANABLE, REUSABLE COMBINATION FULL FLOW/BYPASS FILTER

You will find it hard to believe how much contaminant down to 2 micron in size this filter will hold before you clean it and return it to service. The secret is as old as nature itself- centrifugal force.

- ① Incoming fluid enters the filter through angled ports in the filter head. These ports cause the fluid to move in a rapid circular flow around the inside of the filter.
- ② Centrifugal force hurls the contaminants to the canister wall where they are deposited on and held in place by the cup like openings in the canister liner. The movement of the fluid also deposits larger particles on the bottom of the canister that also has a magnet to collect ferrous materials.
- ③ The fluid then passes through the stainless steel screen.
- ④ 90%+ of the filtered fluid flows through the angled ports in the bypass head and then out of the filter.
- ⑤ The angled ports in the bypass head serve as a venturi so passage of the fluid through the bypass head creates a low pressure area inside the cotton bypass element which abuts the bypass head. Fluid passes through the cotton bypass element and out the middle of the bypass head to equalize the low pressure and this removes contaminants as small as 2 microns.

