



MICRODYNE
PRODUCTS CORPORATION

High Pressure Gas Injection Filters



For Enhanced Oil Recovery

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Patented Design Reduces Downtime

Introducing Microdyne Products' new line of patented, ultra high-pressure Gas Injection Filters (Compressed Natural Gas and CO² Injection Filters) for enhanced oil recovery operations. We've designed these filters specifically for natural gas and petroleum producers to use during the secondary and tertiary production phases, injecting natural gas or CO² into waning formations to enhance production of existing wells.

The filter housing's *patented design* features seamless, weld-free structural manufacture of forged carbon steel or stainless-steel capable of 10,000+ psi operational pressures. The weld-free design ensures housing integrity, while bringing down the overall unit cost. The top-loaded filter element allows the housing to remain in place during replacement. Ultimately, this feature dramatically reduces downtime in the field during regular maintenance cycles.

With over fifty years of combined compressed air and gas experience, our engineering team analyzes each application and customizes filter designs to accommodate the specific requirements of each application. So, if your project requires greater than 10,000 psi, we will custom configure a solution tailored to meet your needs.

Housing Features

- 10,000+ psi operation
- Patented, weld-free housing design
- Forged carbon or stainless steel construction
- In-situ, top-loading filter element replacement
- Fully customizable to adapt to specific operational needs

Elements

- **CFA-Coalescing Filter/Alpha Series®** — The most effective coalescing filter in the series. Removes oil, water, and dirt from compressed air/gas systems. Capable of removing contaminants down to .01 micron with 99.99998% efficiency. The special Nomex sock is resistant to mineral, synthetic, and decomposed oils.
- **CFB-Coalescing Filter/Beta Series®** — Effectively retains oil, water, and dirt from compressed air and gas. Designed to trap particulates .01 micron and larger at an efficiency of 99.9999%. The special Nomex sock is resistant to mineral, synthetic, and decomposed oils.
- **CFC-Coalescing Filter/Gamma Series®** — Removes oil, water, and dirt from compressed air/gas systems. Performs with 99.99% efficiency at the .01 microns. The special Nomex sock is resistant to mineral, synthetic, and decomposed oils.
- **DF-Dustfilter** — Removes rust and dust particulates from compressed air/gas systems.