

AIR FILTRATION SYSTEMS



SYN-FAB® strongly recommends that one of our air filters be used with every high temperature camera system we sell. WHY? All of our high temperature camera systems have air purged lenses and electronics requiring 5 to 20 PSI (0.03 to 0.14 MPa) of instrument quality compressed air at 5 to 20 SCFM (8 to 34 m³/H) per system, depending on the application. The air supplied to the systems flows over the electronics and optics 24 hours a day, year around, so it must be very clean and very dry.

Imagine if you wore eyeglasses and had an air line blowing air on them all the time. The least bit of moisture, oil or particles would build up over time and obstruct or blur your vision. The same applies to your expensive high temperature optical system. If you install a camera system and supply it with contaminated air, you will soon have a system producing a poor picture. When this happens the system must be thoroughly cleaned.

SYN-FAB® air filtration systems are designed to help insure that your plant's instrument air supply is extremely clean and dry air, suitable for use with our optics. Each filter's air flow capacities greatly exceed the requirements of the camera systems to minimize maintenance and provide the cleanest possible air. The SAM0028 and SAM0009 each have both particle separating and coalescing filters to catch contaminants down to 0.01 microns. Using these air filters will help you keep a good, clear picture without excessive downtime to disassemble and clean lenses. The filters are fitted with automatic drains and only require periodic element changes to keep everything functioning effectively. The SAM0048 is a single stage filter designed for use in temporary applications such as with our portable systems.

SYN-FAB® INC.

HIGH TEMPERATURE & INDUSTRIAL PROCESS MONITORING SYSTEMS

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