



# Amine Filtration C o m p a n y

Specializing in Filtration and Separation for Amine Units

**DATA SHEET**  
**Filter Element**

**High Performance**  
**Process Filtration**  
**42FX Series**

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## **HIGH PERFORMANCE PROCESS FILTRATION TECHNOLOGY WITH SPECIALIZED FORMULATED MEDIA FOR AMINE FILTRATION**

**ELEMENT**            **Series 42FX Element High Performance Process Filtration**

### **MEDIA**

High efficiency and proprietary cross-linked cellulose formulated media with inorganic polymeric microfibers and organic polymeric binders to produce a fixed pore structure. The media array is supported by a series of organic materials and polymers to confer specialized properties for Amine units. The static pore matrix enables the media to be utilized in service to some of the highest differential pressures in the industry. The filtration media consists of materials that will not be degraded by amine solutions or by common contaminants in amine services such as heavy hydrocarbons. 42FX filter elements are specifically designed to separate solid contaminants in Amine units and Tail Gas Treating Units and related highly corrosive environments. These elements can be used for inlet liquid feeds as well as rich and lean amine streams.

**END CAPS**            Inert polymer materials or metal materials

**SEALS**                DIENE™ O-Rings (design for amine service)

**COMPONENTS**      Proprietary high temperature epoxy adhesive

**CONFIGURATION**   Single Open End element

**FLOW DIRECTION** Outside-In Flow with O-Ring seal

**DIMENSIONS**      Nominal Length: 39", Nominal O. D.: 4.25"

**RATINGS**            Recommended change out 30 PSID\*  
(Exceeding 35 PSID is not recommended)

**CORED**                Central core composed of carbon steel or stainless steel \*  
\*(depending on specifications).

**EFFICIENCY**         10-70 microns @ Beta 5000 (99.98% lab testing)



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