INFRARED INDUSTRIES
Bringing you tomorrow's technology...today

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Standard and Industrial Filters

Features:

- Made by Infrared Industries
- Same quality, long life, low cost, and reliability you've come to expect from our gas analyzers

HIGHLY RELIABLE, LONG-LASTING, MULTIPLE APPLICATIONS

In order to keep our own costs low when we build gas analyzers and sample conditioners, we now design and manufacture our own filters, which you can buy. We make filters that remove particle sizes down to one micron and coalescing filters for removing water vapor and other contaminants in the sample stream. As with our analyzers, we have several models with the ability to customize these to meet your needs.

Standard Filters

Our standard filters come in a single- or dual-filter configuration. Both have rigged and rugged polycarbonate hex bowls that can be unscrewed for easy replacement of the internal filter element.

They both have O-ring seals on the perimeter so you can adjust the bowl at any position you want and it still seals without having to torque it. Both filters are highly reliable, easy to implement and use, economical and robust.

Single Filter

The single filter has one polycarbonate hex bowl with a bracket mounting and can be used for simple applications.

The standard single filter can be used when any sample stream (series of gases) that is going into an analyzer or process requires a clean sample.

Dual Filter

The dual filter includes two polycarbonate hex bowls with a bracket mounting and is used typically in vacuum operations. It is rated at up to 100 psi. We can include any plumbing you would like.

The dual filter includes an automatic drain and a power drain with a valve that works as a check valve. It runs pressure through the orifice and is a Venturi, drawing the moisture out from the bolw under pressure, dispelling the moisture, and disallowing any air to come up into the bowl. This prevents water and contaminants from coming through the pump. This filter provides good service and good reliability for your pump.

The dual filter has a water separator in one bowl. When the sample comes into this first bowl, the filter changes the pressure differential as it goes through the screen, reduces the dewpoint, and causes the water in the sample to fall out to the bottom. The water can then be drawn out and thrown overboard. If any water makes it through the first filter (and this is not likely), it is screened out in the second stage in the second bowl.

The standard dual filter provides double the filtration potential and the ability to use different types of filter media (tri-compound coalescing, charcoal, and a finer micron filter). It also gives you two stages of filtering, allowing the first to be used, for example, as a water separator, and the second as a media filter.

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Industrial Filters

Our industrial filters are extremely robust and durable and constructed for very long life. They are suited for applications that place punishing demands on filters.

Low-Pressure Filter

Our industrial low-pressure filter is rated at up to 100 psi. The upper and lower casings are all stainless steel construction wrapped around a polycarbonate bowl. The filter has an O-ring seal and a scatter shield to keep the filter in place if it is ever overpressured.

The filter is a standard 2.5 and several different grades of filter elements are available. The filter has an 1/8” port and an 1/4” NPT in and out. It is also available in an 1/8” NPT in and out.

The low-pressure filter is durable enough and of such solid construction that it can be mounted outside with no special enclosure requirement.

This filter is a good general purpose filter for use in an industrial application. It does have an upper pressure limit of 100 psi. This filter would be used post regulator in a high pressure sampling application.

High-Pressure Filter

Our industrial high-pressure filter is rated at up to 3,500 psi. It has a stainless steel construction and is solid and indestructible. It has an O-ring seal.

The high-pressure filter has a port for constant drain, which can also be used as a third port. It has an 1/8” NPT in and out.

This filter is easy to service. It easily unscrews and the filter element inside pops out for replacement.

Our industrial high-pressure filter is a good first stage filter in a high pressure sampling application. This filter is rated at 3,500 psi. Because of its inherent low-volume design, which is required to cope with high pressure, it would not be suitable as a general purpose filter.

Summary

Why buy these filters from Infrared Industries? We have spent years perfecting the system for optimal performance and reliability. We make them in-house so we can offer them to you at a low cost and you get the convenience and assurance of buying them from a trusted source.

All of our filters are available with a wide variety of grades of filters and can be customized to your particular needs.

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