



## Eaton Filtration, LLC

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**Installation, Operation &  
Service Manual  
Model 72 Simplex  
Basket Strainers  
10" to 24" Sizes**

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**Read all instructions before installation or operation of equipment. Failure to comply with these instructions could result in bodily injury and/or property damage.**

### Installation

Each model 72 Basket Strainer is shipped completely assembled and ready for installation. Please note the correct location of the "INLET TAG" in order that the unit is properly aligned prior to bolting up in the field. Check hold down lugs on the quick-opening closure to assure a proper seal will be maintained during the operation of the unit. For units with bolted covers, check to assure all nuts are tight.

### Operation

During operation, once proper installation has been accomplished, the units require special monitoring. The pressure differential across the basket must be observed periodically to determine when the basket has become sufficiently loaded with solids to warrant the cleaning of the basket. The maximum acceptable differential across the basket should be determined and preset prior to operation to assure trouble free operation.

### Maintenance

Should it be necessary to open the cover of the strainer, to remove or replace the basket, care must be taken to assure that the pressure inside the unit has been reduced to atmospheric. Each hold-down lug on the quick opening closure should be loosened halfway, i.e. not removing the swing bolt from its position, until the line fluid begins to seep out which assures that the line pressure has been reduced. Units having bolted covers, loosen each nut slightly, before completely removing.

When placing the basket into the straining unit, care must be taken to assure that the basket is properly seated.

Before closing the cover, the machined surface which will contact the o-ring must be thoroughly wiped clean to minimize scoring on the o-ring. The o-ring itself should be inspected also to assure that proper sealing will be accomplished. Once closed the hold-down bolts should be tightened in such a manner as to assure that the cover and o-ring rest squarely on the seating surface. Bolted cover design strainers have flat gaskets and the same care must be taken.

### Recommended Spare Parts

1 Eaton Replacement Basket and 1 Eaton Replacement Gasket or O-Ring.

Always use genuine Eaton replacement parts for guaranteed fit and performance. When ordering parts specify all nameplate data as well as the description and quantity of the parts.

Visit our web site [www.filtration.eaton.com](http://www.filtration.eaton.com) for more information about Eaton Strainers.

# More From Eaton Filtration

## Pipeline Strainers

Eaton provides the most complete range of standard cast pipeline strainers for coarse filtration available from any manufacturer. These include Simplex, Duplex and Y Type Strainers, in Iron, Bronze, Carbon and Stainless Steel. For ultra-pure applications, strainers of all plastic construction are available. Cast Pipeline Strainers range in size from 1/2" to 36" and larger.

When a cast strainer won't meet the applications requirements because of size, weight or design Eaton offers standard fabricated strainers to meet exact customer requirements. without any trade-offs. When a standard design fabricated strainer will not meet an application's requirements Eaton's design team can work with customers to create a unique one that will.

Eaton also offers Automatic Self-Cleaning strainers. These are motorized strainers designed for the continuous removal of entrained solids from liquids in pipeline systems. The strainer operates un-attended and the system flow never has to be shut down for strainer element cleaning. These strainers are available in both cast and fabricated types.

Find out more on the web at:  
[www.Filtration.Eaton.com](http://www.Filtration.Eaton.com)

## Gas/Liquid Separators

Eaton's Gas/Liquid Separators have been the "Industry Standard" for over 100 years. Nobody knows more about gas/liquid separation than us.

Eaton Gas/Liquid Separators are used to remove 99% of damage causing moisture and particulate matter from air, gas and steam pipelines. They protect valuable system components like air compressors and turbines from damage.

Eaton has a wide selection with hundreds of different Gas/Liquid Separators. When a standard model isn't right for an application, Eaton Engineers can work with customers to create a custom fabricated model that fits the application requirements exactly.

Find out more on the web at:  
[www.Filtration.Eaton.com](http://www.Filtration.Eaton.com)

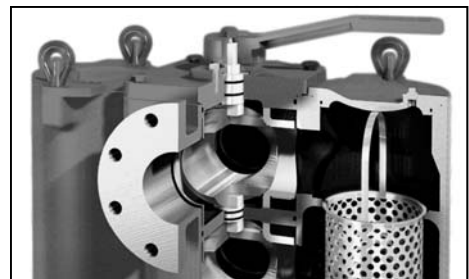
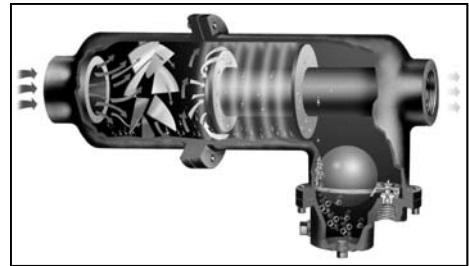
## Filtration Systems

With Eaton Filter Housings you have your choice of high grade investment cast construction or engineered fabricated construction in stainless steel or carbon steel. Or, for extremely corrosive or ultra-pure services, you can choose all-plastic construction. You can be sure Eaton Filter Housings will meet specifications because they are all made to ISO 9001:2000 Standards. Eaton has representatives in over 40 countries, experienced professionals to provide the filtration help you need, when and where you need it.

Choosing the correct filter bag is critical to the success of you application. Don't trust anything less than a filter bag from Eaton. They're made under ISO 9001:2000 Standards to ensure

the consistent, reliable performance that you demand. Eaton Filter Bags fit all Eaton Filter Housings and the housings of most other manufacturers as well.

Find out more on the web at:  
[www.Filtration.Eaton.com](http://www.Filtration.Eaton.com)



Eaton Filtration warrants its products against defective material and workmanship only. Eaton assumes no responsibility for damage or injury resulting from improper installation, abuse, or misapplication of any product. Eaton assumes no responsibility for damage or injury resulting from chemical incompatibility between its products and the process fluids to which they are subjected. The end user should always test to determine application suitability. Contact your Eaton Representative for complete warranty information.

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