



# Eaton Filtration, LLC

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## Operating Instructions

### Model 30R Simplex Basket Strainers

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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 strainer is shipped completely assembled and ready for installation. Note that the "Inlet" must be correctly oriented during service. Although all Eaton Strainers are 100% hydrostatically tested at the factory, it is recommended that you inspect all strainer closures prior to putting the strainer into service. Check that all hardware is secure and that the gaskets and/or o-rings seal properly.

#### Operation

Be sure the cover and drain are tightly closed. Open the valve on the outlet side of the strainer. Slowly open the valve on the inlet side of the strainer (to prevent damage from water hammer). The strainer is now in service.

#### Basket Cleaning

Close the valve on the inlet and outlet side of the strainer and open the drain. To remove the basket from the strainer, loosen the cover clamp T-bolt and remove the cover from the top of the strainer. The basket handle will protrude slightly out of the strainer well. (This unique design offers both a means of removing the basket easily and also allows the basket to be firmly seated around the machined seating surface when closed.) Remove the basket from the well by pulling straight up on the basket handle.

Clean the basket by using a brush or by soaking in a solvent or cleaning solution. Avoid striking baskets to loosen their contents. This will dent them out of shape and eventually break the welds. Baskets should be cleaned as soon as possible after removal from the strainer. Otherwise, the contents may harden and become difficult to remove. It is recommended that one spare basket be kept on hand at all times. When changing baskets for cleaning, we suggest that the spare or cleaned basket be installed in the strainer so your start up is not delayed cleaning the used basket.

Install the basket in the strainer. Be sure the cover O-ring is on the cover. The basket should be properly centered in the well and firmly seated. Replace the cover. The cover should be centered before the T-bolt is tightened. Tighten only until a seal is made between the cover and the strainer body. The O-ring should be periodically inspected for nicks and tears. A spare O-ring should also be kept on hand. Check the O-ring seating surface, it should be kept free of dirt and grit. The strainer is now ready to be put back in operation. Follow the steps listed above under "Operation"

#### Recommended Spare Parts

1 Eaton Replacement Screen 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)

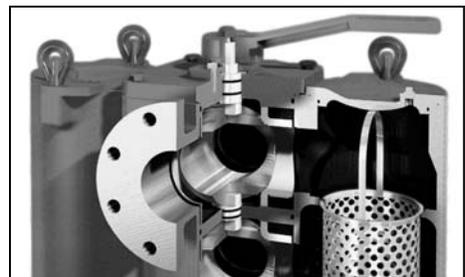
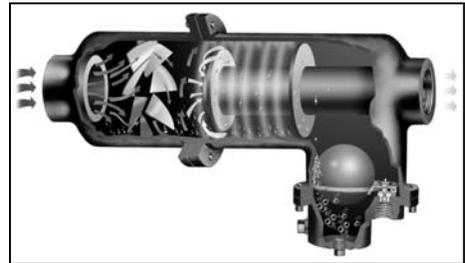
## Filtration Systems

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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