

Read all the following information and instructions prior to installing and operating the equipment.
Failure to comply with these instructions could result in bodily injury or property damage.



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INTRODUCTION

The Model 92 Strainer is a device temporarily installed in a pipeline to remove sediment and debris from fluids.

Straining is accomplished by directing the fluid through sized openings in the strainer. Once sediment and debris is collected in the strainer, fluid flow is interrupted while the strainer is removed for cleaning or replacement.

For additional information regarding Temporary Strainers, visit our website at filtration.eaton.com.



NOTE: The Model 92 Strainer is a “Temporary” Strainer to be used for piping start-up applications only. DO NOT permanently install in the process piping. If a permanent strainer is required, after start-up use an Eaton Simplex, Duplex, Automatic Self-Cleaning or Y Type Strainer. See our website for additional information.

RECEIVING, HANDLING, AND INSPECTION

Unpack the strainer. Inspect for any damage occurring during transit. Report damage to carrier. See “Storage Instructions” if the strainer is not installed immediately.

Remove any preservatives with solvent-dampened cloths. Exercise care when using solvent and follow solvent manufacturer’s instructions.

Verify that the correct size and flange rating for the application is marked on the strainer. Inspect strainer by checking for and removing any foreign or loose material that could be carried down stream when fluid is introduced into the Strainer.

STORAGE

Replace any protective wrap that was removed during receiving, handling and inspection, and store the strainer indoors in a clean, dry environment.

INSTALLATION



CAUTION: Before installation, review the application and chemical compatibility of the process fluid to the materials of construction of the strainer. Verify that the correct size and flange rating for the application is marked on the strainer.

1. Remove protective wraps etc. before installing the strainer into operation. If the strainer application requires a mesh liner, it is important to note the position of this mesh liner. As specified at time of order the mesh liner is on the “inside” or “outside” of the strainer.
2. Simply install the strainer into the pipeline and situate it between the pipe flanges. Insure that the mesh lining, if provided, is “facing” the flow. The strainer is designed to be self-centering between the pipe flanges and bolting. Be sure to install the necessary gaskets and bolting. Torque bolts properly by using standard piping practices. See Figure 1.

INSTALLATION (CONTINUED)

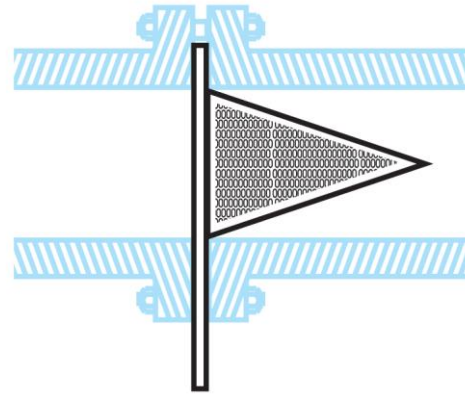


Figure 1

START-UP



CAUTION: To protect the operator when draining and venting, the fluid must be piped to a safe area. This is a requirement for all fluids and for water with a temperature above 120°F. The operator should wear appropriate protective equipment (goggles, gloves, vests, clothing etc.) consistent with the process fluid for strainer operation and servicing.

Expel air from pipeline where the strainer is installed and slowly allow fluid to enter the pipeline where the strainer is installed. Then close any open pipeline vents after air is expelled.



CAUTION: Start system GRADUALLY. This eliminates sudden shock to the strainer and other equipment in the line.

SHUT DOWN PERIODS

Slowly close the pipeline valves upstream and downstream from the strainer. Make sure these valves are tightly closed. Then relieve fluid pressure from the pipeline where the strainer is installed. The pipeline must be drained and internal pressure relieved prior to removing the strainer. Proceed to remove the strainer. See strainer removal instruction below.

WHEN TO REMOVE THE STRAINER

A differential pressure of 5 to 10 psi across the strainer indicates that it is full of debris and needs to be removed.



CAUTION: To prevent strainer damage, **DO NOT** permit differential pressure across the strainer to exceed 20 psi.

STRAINER REMOVAL

Follow the Shut Down procedures above. When the internal pressure of the pipeline where the strainer is installed is relieved and fluid drained, loosen the pipe flange bolting and remove the debris-laden strainer.

Eaton
North America — HQ
70 Wood Avenue, South
2nd Floor
Iselin, NJ 08830

Toll Free: (800) 656-3344
(North America only)

Voice: (732) 767-4200
Fax: (952) 906-3706

Eaton
Europe/Africa/Middle East
Auf der Heide 2
53947 Nettersheim
Germany

Voice: +49-2486-809-0
Fax: +49-2486-809-800

Eaton
Brazil
Av. Julia Gaiolij, 474 –
Bonsucesso
07251-500 – Guarulhos
Brazil

Voice: +55 (11) 2465-8822
Fax: +55 (11) 2465-8884

Eaton
China
No.3, Lane 280, Linhong Road
Changning District, 200335
Shanghai, P.R. China

Voice: +86-21-5200-0099
Fax: +86-21-5200-0400

Eaton
Singapore
4 Loyang Lane #04-01/02
Singapore 508914

Voice: +65-6825-1668
Fax: +65-6825-1639

For more information, please
e-mail us at
filtrationinfo@eaton.com
or call 732-767-4200.

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