



12" Model 950B duplex strainer with quick open cover

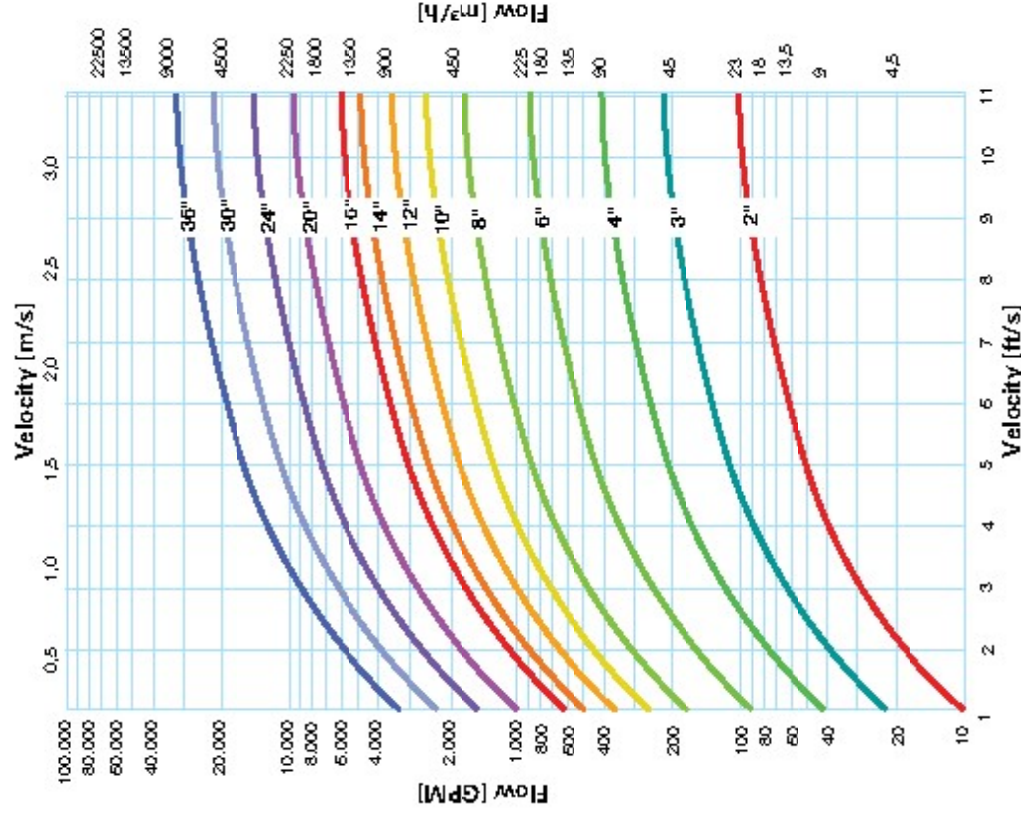
### Fabrication options

- Simplex, duplex and T-type fabrication
- Pipe sizes 2" to 60"
- ANSI class flanges from 150# to 1500# or DIN EN
- Bolted, quick opening hinged cover or davit assembly
- Carbon steel, stainless steel or special alloy construction for body and baskets
- RTJ-style connections
- Vent valves
- Drain valves
- Gauge taps
- Pressure differential gauge and switches
- Backflushing system for manual or automated cleaning
- Steam jacket for highly viscous fluids
- Custom nozzle positioning including rotated or offset placement
- High pressure/temperature capabilities
- Construction according to "AD 2000-Merkblätter", DIN EN 13445 or ASME Code
- Perforated baskets from 1/32" to 1" hole diameter
- Mesh basket liners from 20 to 400 (862 to 38 microns)
- Viton®, Buna-N® or other O-ring seal material
- Coatings and linings available upon request

## Basic sizing guidelines

1. Select the correct screen and opening size, do not make smaller than necessary.
2. The quantity, type and nature of debris to be removed are considered.
3. The strainer meets the design pressure and temperature requirements of the pipeline.

Strainer sizing chart



# Model 950B

## 2" - 12"

- Carbon steel or stainless steel
- Sizes 2" to 12"
- Flanged ANSI class 150 or 300

### Features

- Offset inlet/outlet design
- Basket perforations from 1/32" to 1"
- 20 to 400 mesh linings for fine straining applications

### Options

- Quick open cover or davit assembly bolted cover
- Alloy construction for body and baskets
- Construction according to "AD 2000-Merkblätter", DIN EN 13445 or ASME Code
- Steam jacket for highly viscous fluids
- Coatings and linings available upon request

### Duplex housing for continuous operation

The Eaton Model 950B fabricated duplex strainers operate continuously and feature two strainer basket housings connected by four individually operated valves. When the basket in the first housing becomes full, switching the flow to the second is easy using the butterfly valve assembly. Remove, clean or replace the first basket for use again; the pipeline never shuts down.

### Cover type openings

For applications with infrequent basket changing, Eaton offers a simple, cost-effective, bolted cover type. It's available with a davit assembly cover for larger strainers with heavy covers, this makes it possible for a one-person operation.

For applications with more frequent changing, Eaton offers a hinged, quick opening cover secured by swing bolts. This is adaptable for higher pressure applications. For medium size strainers, 8" to 12," a davit assembly bolted



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cover is available. This permits one operator to engage the hinge and open the cover.

### Strainer screens

Strainer screens are stainless steel or other specified materials.

### Backflush/backwash option

In systems with heavy, well-defined solids and sediment, this option backflushes the system without shutting the system down. A piping connection with an on/off backflush valve is fabricated at the strainer bottom and has a connection to the bottom of the strainer basket. When solids accumulate in the bottom of the basket, the backflush valve opens and the differential between the oper-

ating pressure and the backflush system removes the solids. The second step, backwashing, reverses the flow and removes residual dirt.

### Optional steam jacketing

Available in carbon steel or stainless steel rated for service up to 450 °F (232 °C). This is ideal for the high temperatures required to process and transport heavy, viscous fluids without affecting the function or normal maintenance of the strainer. Steam jacketing maintains critical fluid temperature throughout the strainer.

Design and fabrication to "AD 2000-Merkblätter", DIN EN 13445 or ASME Code and ANSI B31.1 are available.



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