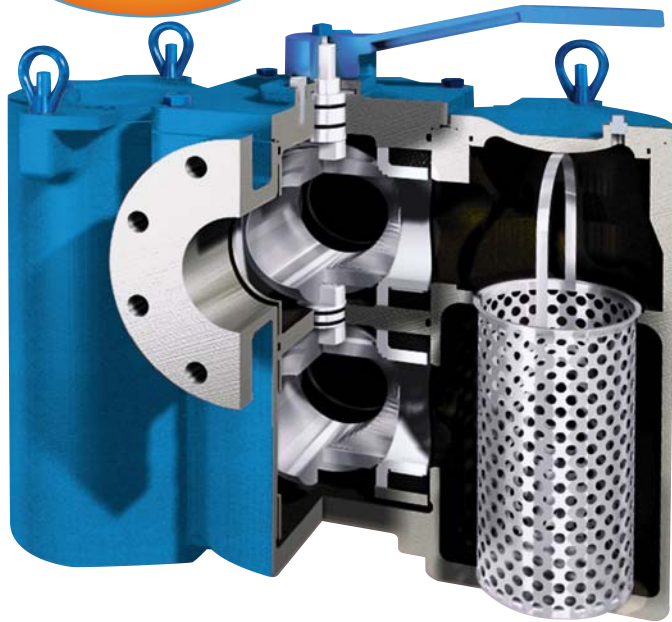


# MODEL 53BTX BALL TYPE DUPLEX BASKET STRAINER

Sizes 3/4" to 4" • Iron, Bronze, Carbon Steel or Stainless Steel • Threaded or Flanged

Easy Basket Changeout



**Patented diverter cartridge assures leak-tight isolation of basket chamber during cleaning.**

No more rushing to finish the job before the out-of-service chamber overflows. And...with no overflow, there's no cleanup.

**Features**

- Dynamic ball sealing system for long life... patent pending
- Easy-to-operate lever handle... no gear box required
- Unique seat and seal design requires no adjustments
- Reinforced polymer seats for longer service life
- Foot pads for rock solid installation
- Double-stem O-rings for positive sealing
- Easy-to-access body vent valve
- Both side and bottom drain plugs on each basket well
- Piston seal strainer basket cover
- Easy access for diverter cartridge removal
- Optional steam jacket construction



**No-Hassle Strainer Basket Servicing**

Eaton duplex strainers remove dirt and debris from pipelines and protect sensitive system components. The Model 53BTX, features a design that makes strainer basket servicing a no-hassle operation. No more "race against the clock" during basket servicing to get the job done before the basket chamber overflows with fluid. The Model 53BTX keeps the chamber dry during service. This gives you time to clean or replace the strainer basket without ever having to worry about leakage and overflow. And...without overflow, there's no need to clean up after servicing the strainer basket. The Model 53BTX is simply a better way to work.

**A Better Duplex Strainer Design**

A unique flow diverter valve cartridge in the Model 53BTX isolates the two strainer basket chambers and prevents fluid bypass. An easy-to-turn handle operates the cartridge and diverts the system flow from one

chamber to the other—the flow in the pipeline is never shut off.

When a strainer basket needs to be cleaned, the lever handle is turned to take it out of service and to divert the flow through the other chamber. The position of the handle clearly indicates at all times which chamber is in service.

No special tools are needed to access the strainer basket for cleaning. The chamber is first drained and then the cover is lifted and swung clear of the chamber opening. The dynamic diverter cartridge seals prevent fluid bypass into the out-of-service chamber—making for easy, hassle-free strainer basket servicing.

**A Better Flow Diverter Cartridge**

The heart of the Model 53BTX is the unique flow diverter cartridge that features a patent pending, highly dynamic sealing system on the diverter balls that ensures exceptionally long seat life and positive sealing. This design works so well that there is no need for manual internal

**Selection Table**

Size	Body & Cartridge Material	Connection	Seat/Seal	Diverter Balls	Rating Standard (Metric)
3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2"	Iron	Threaded	TFE/ Buna N*	Stainless Steel	125# ANSI 200 PSIG @ 150F (PN16 13.8 bar @66C)
1", 1-1/2", 2", 2-1/2", 3", 4"		Flanged			
3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2"	Bronze	Threaded**			150# ANSI 200 PSIG @ 150F (PN16 13.8 bar @66C)
1", 1-1/2", 2", 2-1/2", 3", 4"	Carbon Steel Stainless Steel	Flanged			

\*Viton® standard for SSSL, optional for iron, bronze and carbon steel. DIN flanges and BSP threads available.

\*\*2-1/2" threaded not available in carbon or stainless steel.



1" stainless steel Model 53BTX with flanged connection

