



Standard cast pipeline strainers



Powering Business Worldwide

Standard cast pipeline strainers

High performance systems for keeping debris out of your downstream equipment

Eaton standard cast pipeline strainers

protect pumps, filters, nozzles, flow meters, valves, heat exchangers, condensers, oil burners, boilers, and other process system components from damaging pipeline debris. Eaton maintains the largest and broadest inventory of strainers in the industry, and can provide off-the-shelf delivery of simplex, duplex, and Y strainers in metals such as cast iron, carbon steel, bronze, and stainless steel.

Eaton standard cast pipeline strainers

meet customers' expectations and the highest standards, including:

- ISO 9001-2015 quality management
- Properly sized components to meet any specified retention requirement and flow rate
- NSF approved coatings

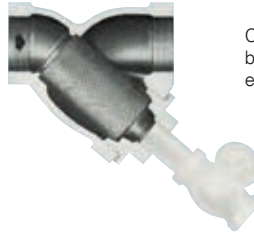
For more than 50 years, Eaton has led the way with designs that meet the growing and vigorous demands of process and manufacturing industries, utilities, and municipalities around the world.

The American Bureau of Shipping (ABS)

has added Eaton's Model 73 simplex strainers and the Model 53BTX duplex strainer to its list of Type Approved products.

MODEL 85 Y-STRAINER

- 1/4" to 10" threaded, flanged, or socket weld connections
- Carbon steel and stainless steel
- Compact design
- Bolted or threaded covers
- Standard stainless steel screens
- Horizontal or vertical installation



Cross-section of a Y Strainer with blow off connection for quick and easy clean-out.

MODEL 72L TEFZEL-LINED BASKET STRAINER

- 1" to 6" flanged connections
- Carbon steel with abrasion resistant 1/8" Tefzel liner
- Excellent corrosion resistance
- Tefzel-coated baskets
- Service temperatures to 149 °C
- Quick opening covers
- Large capacity baskets
- Flanged drain
- Low cost alternative to exotic alloy strainers
- Optional: MONEL or HASTELLOY C baskets



MODEL 72SJ STEAM JACKETED BASKET STRAINER

- 1" to 8" flanged connections
- Carbon steel or stainless steel
- NPT steam connections
- Up to 6.9 bar steam pressure
- Quick open cover—no tools required
- Large capacity basket
- Threaded drain plug
- Machined basket seat
- Viton seals
- Perforated or mesh 316 stainless steel basket
- Basket perforations from 1/32" to 1/2"
- Basket mesh from 20 to 400 (900-25 µm)
- Optional: vent valve and drain valves, gauge/vent taps, pressure differential gauge and switches



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MODEL 73 STRAIGHT FLOW BASKET STRAINER

- 10" to 18" flanged connections
- Ductile iron or bronze
- Quick open cover
- Straight through flow design
- Low pressure loss
- Convoluted basket design
- Hand removable basket
- Threaded drain
- Buna-N O-ring seal
- Low profile
- No tools required for access
- Perforated or mesh 316 stainless steel basket
- Basket perforations from 1/32" to 1/2"
- Basket mesh of 20, 40, or 60 (900, 400 or 245 µm)
- Optional: vent valves, drain valves, gauge/vent taps, pressure differential gauge and switches



MODEL 50 PLUG TYPE DUPLEX BASKET STRAINER

- 5", 6", or 8" flanged connections
- Iron, bronze, carbon steel, or stainless steel
- Continuous flow, no shutdown for basket cleaning
- Rugged tapered plug design
- Lift jack prevents galling of the plug
- Quick open cover—no tools needed
- Large capacity baskets
- Threaded drain
- Machined basket seat
- Perforated or mesh 316 stainless steel basket
- Basket perforations from 1/32" to 1/2"
- Basket mesh from 20 to 400 (900-25 µm)
- Optional: MONEL baskets, vent and drain valves, gauge/vent taps, pressure differential gauge and switches, cast iron and stainless steel diverter plug, magnetic basket inserts and a variety of seal materials



MODEL 72X SIMPLEX BASKET STRAINER

- Flanged or threaded DIN and ANSI end connections
- Conforming to the PED, CE-marked
- Ductile Iron models designed to 10 bar, 120°C
- Stainless steel models designed to 16 bar, 120°C
- Bolted cover
- Machined basket seat with O-ring seal
- Large capacity 316 stainless steel baskets, perforated or mesh
- Bottom drain port
- Mounting feet for stable installation for flanged units 2" and larger
- Basket perforations from 1/32" to 1/2"
- Basket mesh from 20 to 400 (900-25 µm)
- Optional: seal materials, gauge/vent valve, pressure differential gauge and switches



MODEL 53BTX BALL TYPE DUPLEX BASKET STRAINER

- 3/4" to 4" threaded or flanged connections
- Iron, bronze, carbon steel, or stainless steel
- Dynamic sealing design for long life
- Easy-to-operate lever handle—no gear box required
- Unique seat and seal design requires no adjustments
- Teflon seats for longer service life
- Foot pads for rock solid installation
- Double-stem O-rings for positive sealing
- Easy to access body vent valve
- Side drain plugs on each basket well
- Piston seal strainer basket cover
- Easy access for diverter cartridge removal
- 316 stainless steel ball design



MODEL 53X BALL TYPE DUPLEX BASKET STRAINER

- 1" to 4" Flanged DIN (DN25-DN100) and ANSI end connections
- Conforming to the PED, CE-marked
- Stainless steel models designed to 16 bar, 120°C
- Bolted cover
- Machined basket seat with O-ring seal
- Large capacity 316 stainless steel baskets, perforated or mesh
- Pressure equalizing kit included in 3" and 4" models
- Bottom drain port
- Basket perforations from 1/32" to 1/2"
- Basket mesh from 20 to 400 (900-25 µm)
- Optional: gauges/vent valves, pressure differential gauge and switches (for 3" and 4" models only)



Diverter cartridge for Model 53X and 53BTX

Unique diverter cartridge assures minimal leaks, if any to the basket chamber during cleaning. A double sealing system on the upper and lower stems guards against any possible leakage between fluid chambers and the environment. If service becomes necessary, just remove four bolts and the cartridge slides right out the top of the strainer body.



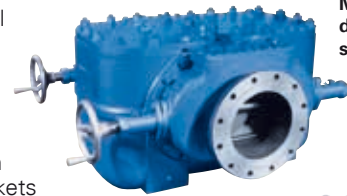
MODEL 52 LARGE DUPLEX BASKET STRAINER

- 10" to 18" flanged connections
- Iron or bronze
- Continuous flow - no shutdown for basket cleaning
- Compact butterfly valve design
- Quick opening covers
- Convuluted-design baskets
- Threaded drain
- Perforated or mesh stainless steel baskets
- Basket perforations from 1/32" to 1/2"
- Basket mesh of 20, 40, or 60 (900, 400 or 245 µm)
- Optional: Ductile iron construction, MONEL baskets, vent valve and drain valves, gauge/vent taps, pressure differential gauge and switches, and magnetic basket inserts



MODEL 510 / 570 COMPACT MULTI-BASKET STRAINER

- 8" to 24" flanged connections
- Iron or carbon steel
- Bolted covers
- Compact
- Threaded drain
- Perforated or mesh stainless steel baskets
- Basket perforations from 1/32" to 1/2"
- Basket mesh of 20, 40, or 60 (900, 400 or 245 µm)
- Model 510:
 - Four baskets per strainer (two per side)
- Model 570:
 - Sliding gate design
 - Continuous flow- no shutdown for basket cleaning
 - Eight baskets per strainer (four per side)
- Optional: Ductile iron construction, MONEL baskets, vent valve and drain valves, gauge/vent taps, pressure differential gauge and switches, and magnetic basket inserts



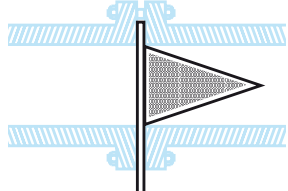
Model 570 duplex strainer



Model 510 simplex strainer

MODEL 92 TEMPORARY STRAINER

- Designed for use in new pipeline start-up service
- Line flushing after any modification work
- 2" to 24" flanged connection
- Stainless steel or MONEL
- ANSI Classes 150, 300, and 600
- Perforations from 1/32" to 1/2" diameter
- Mesh liners of 20, 40, 60, 80, and 100 (900, 400, 245, 185 and 150 µm) (best with basket type strainers)
- Optional: Alloy construction, RTJ-style connections



Cone type temporary strainer is shown bolted between two pipe flanges



Cone type



Basket type

ADDITIONAL FABRICATED STRAINERS AVAILABLE

- Custom fabricated pipeline strainers offer unique designs that fit the exact requirements of any application
- Designed and constructed to meet worldwide quality standards and required codes



Model 90 simplex strainer



Model 950B duplex offset strainer (BC/QOC)



Model 91 T-type strainer

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