



Factory Direct Pipeline Products, Inc.



Model TC Twin Chamber (Duplex) Strainers

Sizes 5" to 8", constructed of cast iron, bronze, carbon steel or stainless steel - threaded or flanged connections.

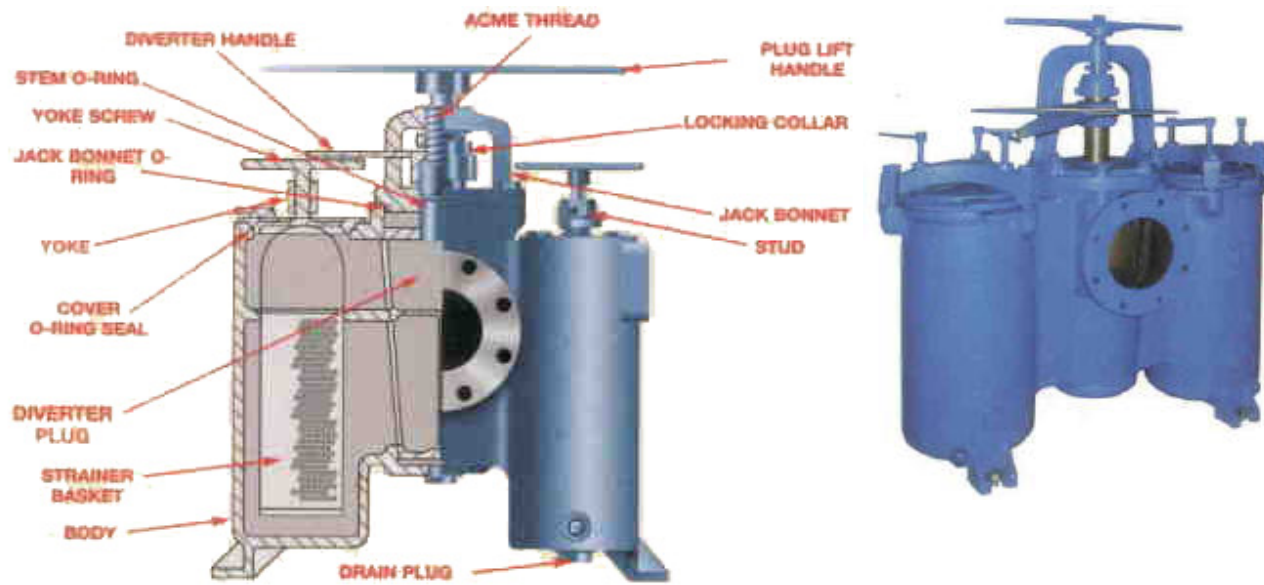
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The Model TC Plug Type Duplex Strainer is a simple, economical, and trouble free design that has been installed worldwide in a broad number of applications.

Catalog Pages for Model TC Duplex Strainers			
<i>follow the links below, categorized by material of construction, for detailed information for each strainer</i>			
CAST IRON	BRONZE	316SS	CARBON STEEL
5" - 8" Flanged	5" - 8" Flanged	6" & 8" Flanged	5" - 8" Flanged

This strainer is actually a high quality, pressure rated plug valve with integral straining baskets. Switching the flow from one basket to the other is accomplished by moving the operating handle through a 90 degree arc. The flow is not interrupted when switching the chamber in service due to the design of the diverter plug and no tools are needed.

A lifting jack built into the strainer is used to lift the diverter plug off of its seat. After the switching operation the lifting jack is used to reseat the plug. The lifting jack is specially designed to lift and seat the plug easily, even under high pressures. A built in stop limits the distance the diverter plug can be raised. This minimizes the possibility of material bypassing the plug while it is rotated. It also reduces debris from building up under the plug and making it difficult to reseat.



Other important features of the plug type Model TC Duplex Basket Strainers include quick opening, swing away yoke design covers. No tools are required to remove the covers for quick and easy access to the strainer baskets and they are reattached just as quick as they removed.

Draining of the basket chambers is simplified with the standard NPT drain taps – and all sizes are provided with mounting legs for bolting the strainer to the floor for a solid installation.

The Model TC Duplex Basket Strainer is your best choice for most applications. Its rugged design and ease of operation have made it the duplex strainer of choice around the world in hundreds of different industries.

Features

- 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 stainless steel basket

Options

- Basket perforations from 1/32" to 1/2"
- Basket mesh from 20 to 400
- Monel baskets
- Viton, PTFE, or EPDM seals
- Vent valves
- Drain valves
- ¼" NPT taps
- Magnetic basket inserts

- Pressure differential gauge and switch connections

We've taken a unique approach to this website. The basic ordering information is listed in chart form. Each strainer has its' own customizable datasheet, providing you with important specification information such as pressure drop, inlet velocity and screen velocity.

The suggested minimum and maximum flow range for each size strainer is included, these numbers are based upon maintaining a fluid velocity within 6 to 10 feet per second.

All you need to do to generate your printer-friendly custom datasheet is follow the link for the strainer you are interested in (opens in a new window), replace the default flow rate and Specific Gravity (Sg) values with your design values, and click the recalculate button at the bottom of the page.

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- [Need Spare Parts? Click Here for a Complete Listing for the TC Series](#)
- [Click Here to open the Installation/Operation Manual for Model TC Strainers](#)
- [Click Here for assistance in writing a specification around Model TC's](#)