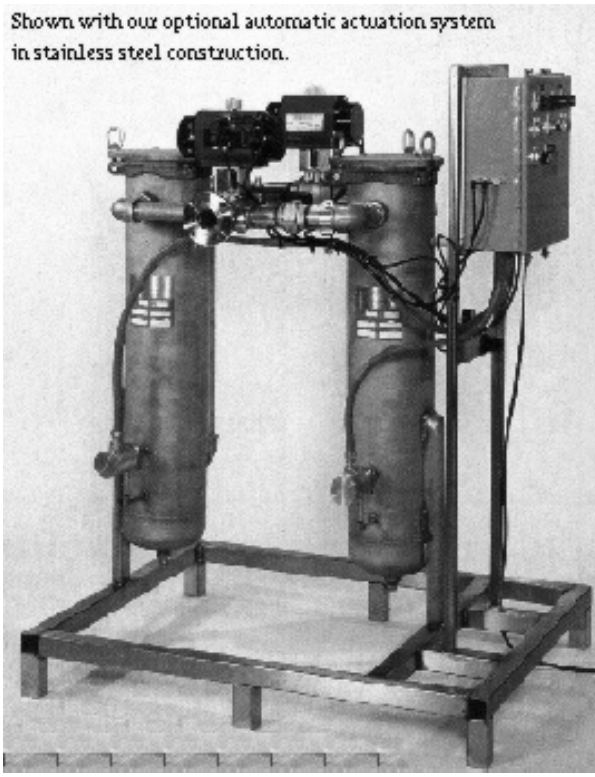
Duplex Liquid Bag Housings

PFP's Duplex Liquid Filtration housing gives you the capability of a continual flow for non-stop filtering during maintenance. They can be used with our strainer baskets alone or paired with our bag filters, giving you a wide variety of choices for flow rates and particulate removal.


Shown with our optional automatic actuation system in stainless steel construction.

FEATURES

- **2 housings with common connections**
- **Continuous flow rates**
- **Single or independent handle conversion**
- **Carbon or stainless steel construction**
- **150 to 500 PSI pressure rating**
- **Quick swing closure with eye nuts**
- **O-ring seals - lid & basket**
- **Differential, drain, and vent ports**
- **Skid mounted for durability**
- **316 stainless steel strainer baskets**

Our Duplex systems effectively remove dirt, pipe scale, and other contaminants from process liquids such as water, chemical, and petroleum products. Quality construction and design assure protection for all down-stream equipment.

VESSEL CONSTRUCTION

Our standard duplex systems are supplied with parallel inlet and outlet connections. On 4 inch piping and lower, our Duplex systems have a single handle to switch flow between the housings. Six inch piping and larger have independent controls. The housing design provides a large sump area at the bottom of the basket for dirt and scale accumulation. This design utilizes the filter more efficiently and prolongs the element life.

An **optional automatic actuation system** can be added to all housings for ease of operation. The automated system will switch flow between the housings when a programmed differential pressure is met. The service light will then alert an operator for change-out. The automatic system has a manual mode switch for independent control if required.

The **baskets** seal onto an o-ring to eliminate particulate bypass between the basket and seat. Optional **mesh-lined strainer baskets** and **o-rings** are available. Please refer to their individual brochures in our liquid catalog.

A **vent** and a **gauge** port in each housing speed evacuation and filling. Permanently piped housings are opened with simple tools without disturbing the piping. **Swing bolts** with eye-nuts allow easy opening and closing of the swing-lid. No need to remove any hardware. As a standard finish, all vessels are blast cleaned and painted inside and out with a **2-part epoxy**. Stainless steel vessels are supplied with a satin finish.

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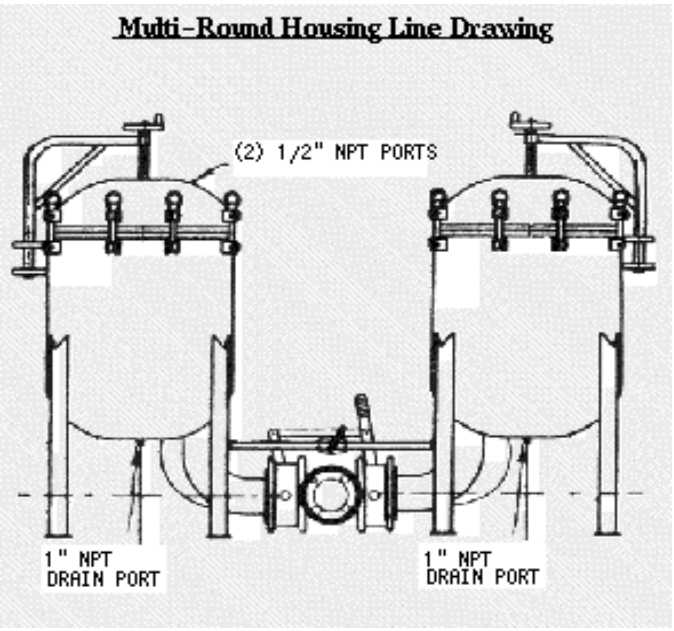
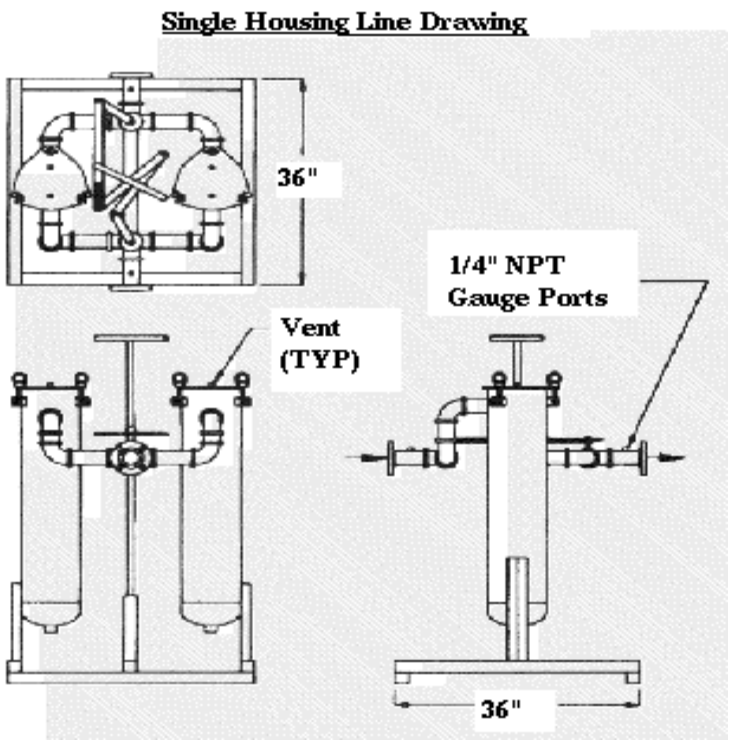
Single Housing Line Drawings

All dimensions are approximate.





Building a Part Number for Duplex Liquid Bag Housings

Single and Multi-round Housings: Add **"D"** for manual duplex systems, **"DA"** for actuated systems to the end of the standard housing part number. EX: L1818303FAC15D Description: Model 1818, 30" basket, 3" flanged connections, outlet style A, carbon steel, 150 PSI, duplexed. **Note:** Single housings are outlet location style B, multi-round housings are outlet location style A.

SPECIFICATIONS

Each housing lid has a swing bolt closure with a vent and gauge port. Our standard Duplex systems are supplied with parallel inlet and outlet connections. On four inch piping and lower, our Duplex systems have a single handle to switch flow between the housings. Six inch piping and larger have independent controls. Housings are supplied with two differential pressure ports to measure the differential pressure across the filter bag. A two-part epoxy finish is applied on the carbon steel vessels to maximize the life of the housing; stainless steel vessels are supplied with a satin finish. Basket material is manufactured from 316 stainless steel with 9/64" perforations to act as a strainer or to accept a liquid bag. Basket seals onto a Viton o-ring in the basket support. Housings are permanently skid-mounted for stability. Vessels are rated from 150 to 500 pounds per square inch design depending upon the model number ordered.

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