

Variable Duplex Filter Design Option from Industrial Dynamics

General Information

This page is intended to provide specifications on In-Dyne Duplex Filters offered by Industrial Dynamics. It will provide information on duplex filters and basket strainers, their various types, design features, and options.



Description

In-Dyne duplex filters are a co-proprietary product of Industrial Dynamics. Also known as double basket strainers, duplex filters are one of the leading products in specialized liquid filtration systems. They can be used in a variety of industries that utilize hydraulic or lubrication systems such as petroleum, chemical, water, irrigation, marine, and refineries. Industrial Dynamics offer a range of filter housing models to customers:

- 412-1.0
- 412-1.5
- 412-2.0
- 618-1.0
- 618-1.5
- 618-2.0
- 830-1.0

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- 830-1.5
- 830-2.0

The Data Sheet PDF provides information on how to order a duplex filter according to your application requirements.

Design Features

[Industrial duplex filters](#) are designed to operate on a continuous basis. They have self cleaning capabilities, which enhance their need in an industrial application. The filter housings are designed with extremely sturdy constructions along with quick release heavy duty eye nut covers. A single handle is provided to ensure complete fluid isolation for servicing purposes. The handle feature also allows for servicing on one housing to take place while the other is still in operation. The filters are designed to handle flow rates up to 150 GPM at a maximum working pressure of 300 PSI.

Construction

Stainless or carbon steel are the materials of choice when constructing duplex filters. The strainer type baskets are also constructed with stainless steel. Filter assembly comprises a compact design, which significantly reduces carbon or ecological footprints. The filter housings consist of standard connections for the cover vent and bottom drain, along with 2 gage ports.

Options

Industrial Dynamics gives customers the options of perforated bag style and mesh lined strainer baskets. To attain finer filtration levels, an option of fitting the filter housings with filter cartridge posts is provided. For transfer valving, Industrial Dynamics provides the option of ETFE seats and seals. Both can be constructed using either stainless steel or brass materials. To ensure safety during operations, the stops of the mechanical handle can also be equipped with a lockout device.

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Other options for In-Dyne duplex filters provided by Industrial Dynamics are:

- Pipe Sizes:
 - 1"
 - 1.5"
 - 2"
 - All sizes can be either NPT or 150# flanged
- ASME Code stamped housings
- The filters can also be designed to accommodate higher working pressures

About Industrial Dynamics



Industrial Dynamics Co was incorporated in 1984 as a stocking distributor and manufacturers' representative offering a wide range of flow measurement products, level switches and transmitters, solenoid type, actuated, and control type valves, and liquid filtration housings and replacement filter bags and cartridges.

Our business has evolved to include complete "systems" responsibility for a wide range of product batching, blending, level control, product "custody transfer" dispensing, etc applications.