

FLOW EZY FILTERS "NEWS YOU CAN USE"— MARCH 2008

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FILTER CARTRIDGES



We have the capabilities of manufacturing filter cartridges in virtually any length or diameter, with or without end caps. Whether the media is polypropylene, polyester, or wire cloth, we can make it. If you need end caps in metal, polypropylene, nylon, plastisol, or most other materials, give us call. Solid end caps, -222 o-ring, -226 o-ring, alignment fin, or flat, just let us know. If you need pleated or wound, with filtration as fine as .4 micron to 840 micron, we can help.



help most high flow tank breathing applications. For air flow requirements up to 900 scfm, check out our Giant Tank Breathers.

GIANT TANK BREATHERS

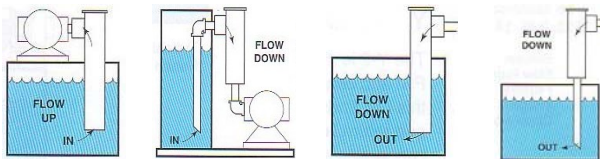


These oversized units stop airborne dirt from entering tanks as liquid is removed. They provide clean, filtered air fast to replace liquids going out at high rates—up to hundreds of gallons per minute. With pipe sizes from 2" to 4" npt and filtration range from 10 micron cellulose to 149 micron wire cloth, they should help most high flow tank breathing applications. For air flow requirements up to 900 scfm, check out our Giant Tank Breathers.

T-FILTERS



The T-Filter concept is to provide large-area (low pressure drop) filter elements that are easily replaced in low cost housings made of welded steel tube. Elements can be either cleanable wire mesh or throw-away fiber. They install inside or outside the tank and can eliminate the usual pipe between the tank and filter, and one pipe elbow. They provide easy element servicing. Elements lift straight out of the cleaning port, which can also serve as a filling port. Filtration range from 3 micron microglass to 238 micron stainless steel wire cloth.



There are 4 different mounting methods shown above for either suction or return line applications. They can be used in systems rated up to 100 gpm.

Quotes by George Washington

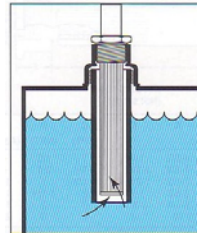
"If we cannot learn wisdom from experience, it is hard to say where it is to be found."

"Happiness and moral duty are inseparably connected."

TANK MOUNTED STRAINERS

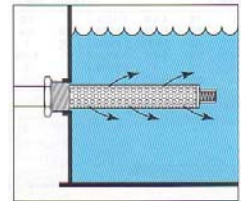


Tank mounted strainers are designed to be mounted through the reservoir side wall or through the tank top and into a stand-pipe. Either way, they can be removed through the hole in which they are mounted. Access to the tank interior is not necessary. They can be used in either suction or return line applications. They are available in 30, 60, 100, or 200 mesh, with or without a bypass. The standard unit has a cast iron bushing, steel plated support tube, and stainless steel pleated wire cloth. Also



shown in suction application

offered are models with forged steel bushings or all stainless steel welded units (no epoxy). Available as a flow diffuser,



shown in return application

Y-TYPE FILTERS

Efficient, easily cleaned, Y-filters are available from stock at the lowest possible price. These filters are built on the proven design of the common "Y" strainer. But instead of a coarse screen, they hold a true micron rated filter element whose pleated surface area is up to 4 times greater. The flow path in the "Y" design is through the inside surface of the element, where the contamination is caught. There can be no "wash off" of the element downstream during servicing. Pipe sizes available up to 2" npt with filtering capabilities as fine as 25 micron pleated stainless steel. The housing is made of cast iron but epoxy coated throughout for use in water applications.



EXERCISE FOR THE HYDRAULIC MIND

Assume a hydraulic system is performing as expected. If we make nominal changes to the system, what effect will it have on its operation? Fill in the blanks indicating if each variable will INCREASE, DECREASE, OR REMAIN UNCHANGED.

By making this CHANGE, how will it EFFECT the . . .	speed of the load?	working pressure?	torque/force available?
Increase relief valve setting			
Increase the load			
Install a larger hydraulic motor			
Install a larger pump			
Install a larger diameter cylinder			
Install a larger diameter pulley on the hydraulic motor			

Washtenaw Community College, Ann Arbor, MI

Fluid Power 111, Change and Effect Worksheet, 1996

IF YOU NEED HELP, SEND US AN E-MAIL AND WE'LL PROVIDE THE ANSWERS