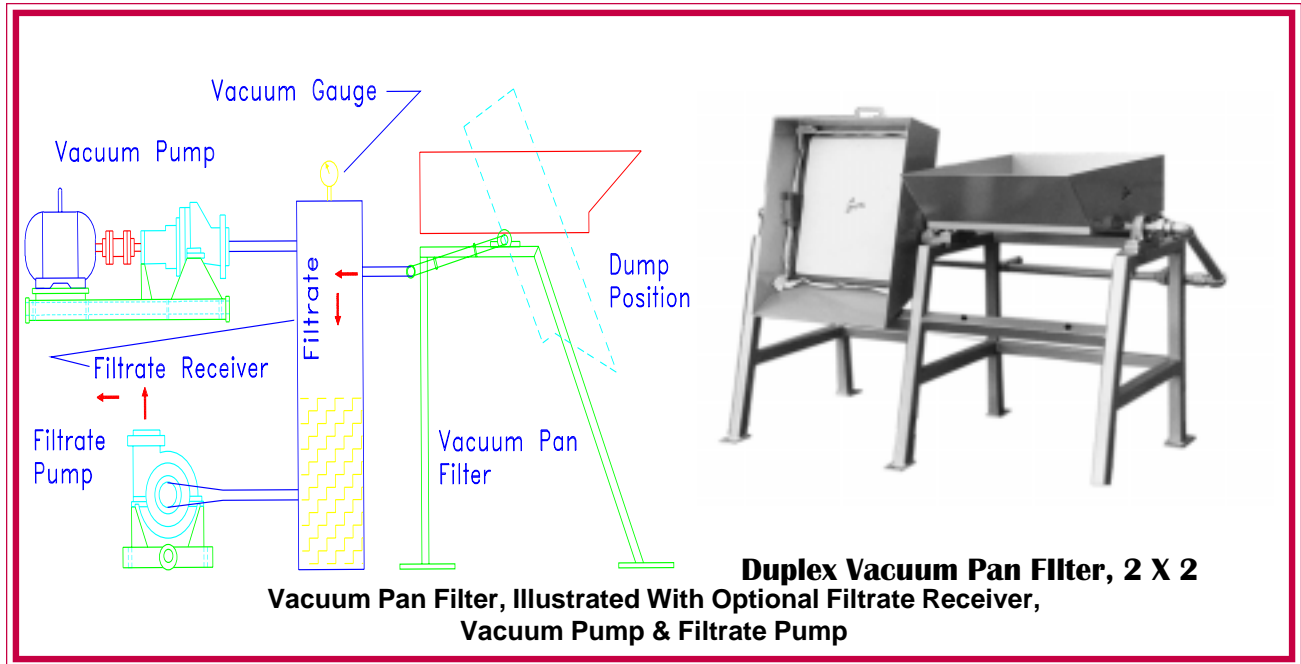




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VACUUM PAN FILTER



SEPOR offers a wide range of vacuum pan type filters. These units are used for dewatering and or removing liquid from materials in slurry form in mineral, chemical and industrial batch processes. The nature of the material to be filtered must be filterable by vacuum filtration. Since the vacuum pan filter is a batch filter, the volume is limited to batches typically containing from 50 pounds of solids to 2,000 pounds of solids for the 5 X 5 Duplex Vacuum Pan Filter.

Typical applications include: dewatering lead, zinc and copper flotation concentrates and tailings in mineral processing pilot plants; dewatering gold and silver concentrates in small commercial milling operations; dewatering and washing environmental materials, such as soils; dewatering chemical products in pilot plant operations and removal of solids on a pilot plant scale from industrial waste effluents.

Some advantages of the Vacuum Pan Filter are:

Provides an inexpensive, simple approach to dewatering or removal of solids from slurries in small quantities. Permits the use of wash liquids on the open, flat pan filter's surface.

Units are tilting for easily discharge of the filtered product.

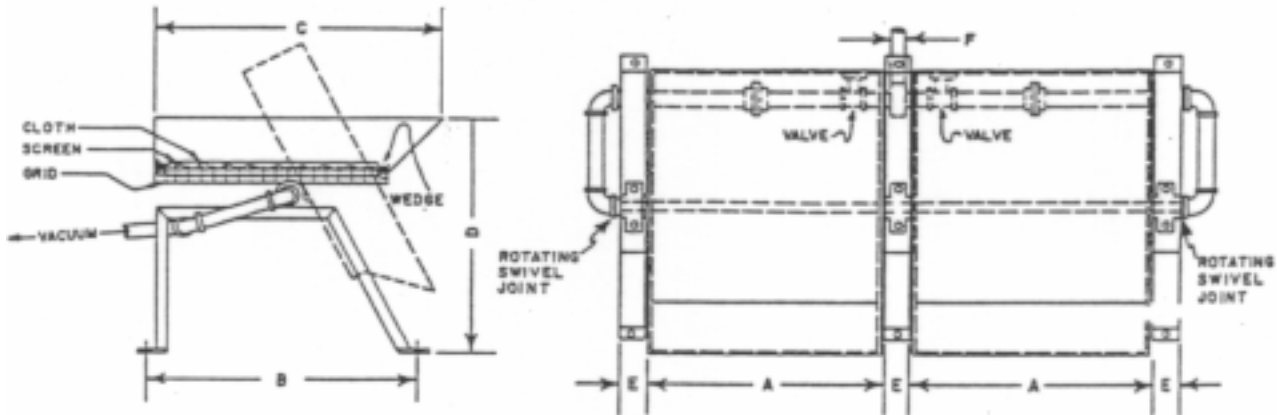
Pilot plant metallurgical or chemical process results may be easily evaluated.

Duplex units are available, permitting a more continuous flow from one pan to the other pan.

Pan filters are furnished with sealed, rotating swivel joints at pivot points. These prevent vacuum and liquid leakage.

Units are available in materials of construction such as mild steel, stainless steel, elastomer lined, or Poly Urethane lined.

Vacuum Pan Filter Specifications



DIMENSIONS							WET VAC. PUMP		FILT. RECEIVER		FILTRATE PUMP (DIAPHRAGM TYPE)	
SIZE	A	B	C	D	E	F	C.F.M.	H.P.	DIA.	HEIGHT	SIZE	H.P.
2' x 2'	2'-0 1/2"	2'-6"	2'-7 1/2"	3'-4 1/2"	4"	1"	22	3	12"	36"	3/4"	1/2
3' x 3'	3'-0 1/2"	3'-6"	3'-8 1/2"	3'-9 3/4"	4"	1 1/2"	50	5	12"	48"	3/4"	1/2
4' x 4'	4'-0 1/2"	3'-10"	4'-10 1/2"	3'-10 3/4"	6"	2"	90	7 1/2	12"	60"	3/4"	1/2
5' x 5'	5'-0 1/2"	4'-4"	5'-10 1/2"	4'-2"	6"	2 1/2"	130	10	12"	60"	3/4"	1/2

SPECIFICATIONS:

Sizes available are listed in the table above.

Filter box is of standard construction in mild steel. It is optionally available in stainless steel lined with elastomers, polyvinyl chloride, polyethylene, or polypropylene. The filter pan is supported on split journal bearings to permit tilting.

The filter grid is polypropylene.

The filter screen is of standard construction in mild steel. It is optionally available in 304, 316 stainless steel, or other alloys.

The filter cloth is a synthetic filter cloth with approximately 25 micron pore openings.

Vacuum piping is furnished in a standard configuration with cast iron fittings, mild steel pipe. For corrosive applications, stainless steel or PVC piping is typically used. The rotating swivel joints prevent vacuum and liquid leakage.

The support stand is of mild steel construction, prepared and painted with one coat of enamel. For corrosive service, epoxy coating may be used on mild steel stand components.

Vacuum accessories are optional. A filtrate receiver constructed of the same or similar material to the wetted parts of the pan filter, a liquid ring vacuum pump and a centrifugal filtrate pump may be ordered with the unit. If the vacuum pump, filtrate receiver and filtrate pumps are ordered with the pan filter, the filter accessory mounting option may also be ordered and the accessories will be mounted on a platform latched to the filter stand, piped and ready for use when shipped.