



QPEC 2' x 2' Skid Mounted Filtration System



QPEC 3' x 3' Duplex Pan Filter 316 ss

Applications

Quinn offers a wide size range of pan type vacuum filters. The units are used for dewatering and/or washing products or waste materials in mineral, chemical, and industrial processing plants. The materials must be amenable to the principal of vacuum filtration. Since operation is on a manual-batch basis, economic application is limited to the treatment of relatively small quantities of material.

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 products, waste, etc., in chemical pilot plant operations; removal of solids on a pilot plant scale from industrial waste effluents; etc.

Advantages

This type filter provides an inexpensive, simple approach to dewatering or removal from slurries of relatively small quantities of solids materials. The design permits the simple inclusion of one or more wash cycles as might be required.

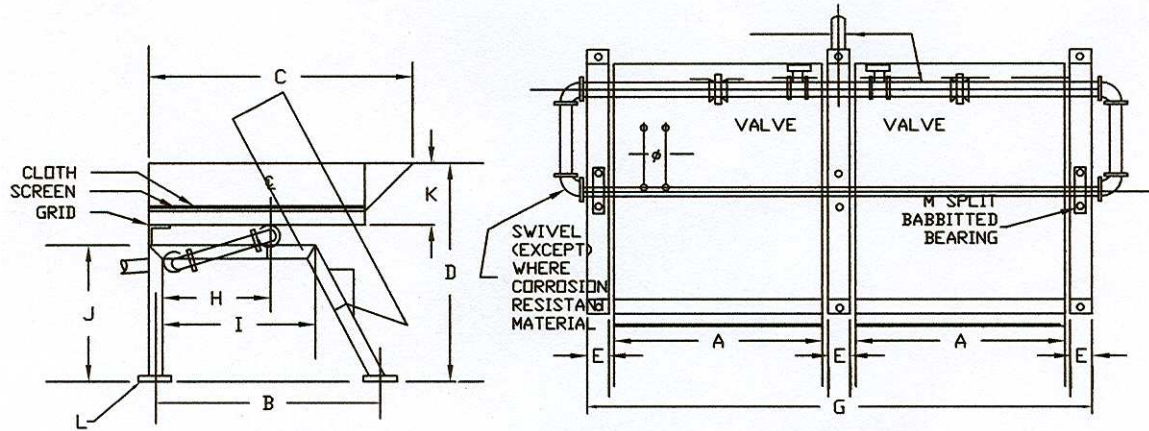
Units are of the tilting type for ease in product discharge. Both duplex and simplex type units are available.

Pilot plant metallurgical or chemical process results are easily measured and evaluated. Experimentation with various types of filter media is inexpensive.

Units are furnished with sealed rotating swivel joints at points of pivot. These prevent vacuum and liquid leakage.

Units are available of mild steel or stainless steel, special alloys; fiberglass reinforced polyester resins (FRP), elastomer lined, etc., for corrosive service.

(Dimensions and specifications on reverse side.)



** DIMENSIONS-DUPLEX UNIT (INCHES)													WET VAC PUMP		FILT RECEIVER		FILT PUMP (DIAPHRAGM)		FILT PUMP (CENTRIFUGAL)	
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	C.F.M.	H.P.	DIA.	HEIGHT	SIZE	H.P.	SIZE	H.P.
2'x2'	24 1/4	28	31 1/2	39	3	1	61 1/2	13 3/4	16	28 3/4	8	4x3	25	2	10"	30"	3/4"	1/2	1"	1/2
3'x3'	36 1/4	35 1/2	44 1/2	44	4	1 1/2	88 1/2	19 1/2	22 3/4	32	10	5x3	50	3	12"	36"	3/4"	1/2	1"	1/2
4'x4'	48 1/4	47	58 1/2	52	6	2	118 1/2	26	32	38	12	7x4	80	5	16"	46"	3/4"	1/2	1"	1/2
5'x5'	68 3/4	56 3/4	70 3/4	53	6	2 1/2	142 3/4	32	40	39	12	7x4	130	7 1/2	16"	48"	3/4"	1/2	1"	3/4

Specifications

Sizes: As shown in table.

Filter box: Standard of mild steel. Also available of corrosion resistant materials, i.e., stainless steel and other alloys; fiberglass reinforced polyester resin (FRP); and elastomer lined. Box is supported on split journal bearings to permit tilting.

Filter grid: Polypropylene is standard.

Filter screen: Mild steel is standard. Stainless steel 304, 316, and other alloys available. **Filter cloth:** #33 grade cotton twill is standard. Nylon and other synthetics available.

Vacuum piping: Standard is cast iron fittings, mild steel pipe. For corrosive service, stainless, other alloys, FRP, plastic and elastomer line are also available. Rotating swivel joints prevent vacuum and liquid leakage.

Support stand: Mild steel shop enamel painted is standard; sandblasted and epoxy painted for corrosive service.

Vacuum accessories (optional): Standard system uses filtrate receiver, wet vacuum pump, and self priming pump for filtrate.