

Por-O-Septa



POR-O-SEPTA STOCK LIST

OPENING	316 S/S			304 S/S			CARBON STEEL			MESH EQUIV.
	16 GA.	18 GA.	20 GA.	16 GA.	18 GA.	20 GA.	16 GA.	18 GA.	20 GA.	
.010	X	X	S	X	X	✓	X	X	✓	50
.015	X	X	✓	X	X	✓	X	X	✓	40
.020	✓	✓	S	✓	✓	A	✓	✓	✓	30
.032	✓	✓	A	✓	✓	✓	✓	✓	✓	20
.063	S	A	S	✓	✓	A	✓	✓	✓	12
.095	✓	✓	A	A	A	✓	✓	✓	✓	8
.125	S	S	S	A	S	A	S	✓	✓	6
.375	✓	✓	✓	✓	✓	✓	✓	✓	✓	

S—STANDARD OFF THE SHELF
 A—SHORT DELIVERY ITEMS
 ✓—AVAILABLE
 X—NOT AVAILABLE
 NOTE: ALSO FABRICATED IN MONEL & TITANIUM ON SPECIAL ORDERS.

Por-O-Septa is a sheet metal medium which contains rows of slits on uniform centers. The material between slits is alternately dimpled up and down, forming loops of metal on both sides of the sheet. The result is a thick porous septum having a range of openings from .010" to .375", a combination which cannot be achieved by conventional perforating.

This unique combination is ideal for filtering, straining, retaining, separating, drying, scrubbing and diffusing applications requiring sheet strength and fine controlled openings. It is also utilized as a backing structural member. Por-O-Septa can be fabricated by all conventional sheet metal methods. It can be sheared and punched into required shapes and sizes. Tubes, cones and baskets can be rolled. Larger than standard sheets are formed by welding panels together.

Applications

A *retention screen* for granular materials (adsorbents, catalysts, desiccants, ion exchange resins, silica gels, molecular sieves and sand) requiring less support and offering longer service life than woven fabrics

A *strainer screen* of controlled openings to replace light gauge perforated and layers of woven materials.

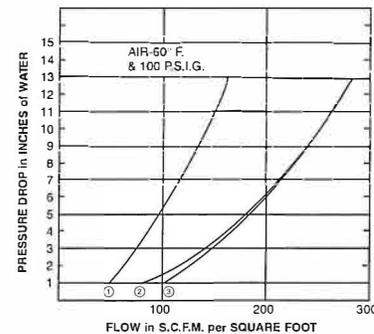
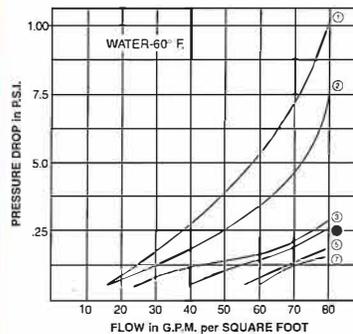
A *drainage medium* for vacuum and pressure diatomaceous earth precoat (filter leaves, filter tubes and plates). Rugged construction will withstand backwash pressures and manual cake removal.

An *air diffusion screen* for separating and scrubbing contaminated air and gas streams.

A *backing screen* for supporting filter media as used in underdrains. Provides generous lateral drainage, essential for maximizing the underdrain's effectiveness.

A *drainage chamber* for filter leaves and sectors. Por-O-Septa's deep chamber does not require spacing screens.

Flow vs. Pressure Drop 20 Gauge Por-O-Septa



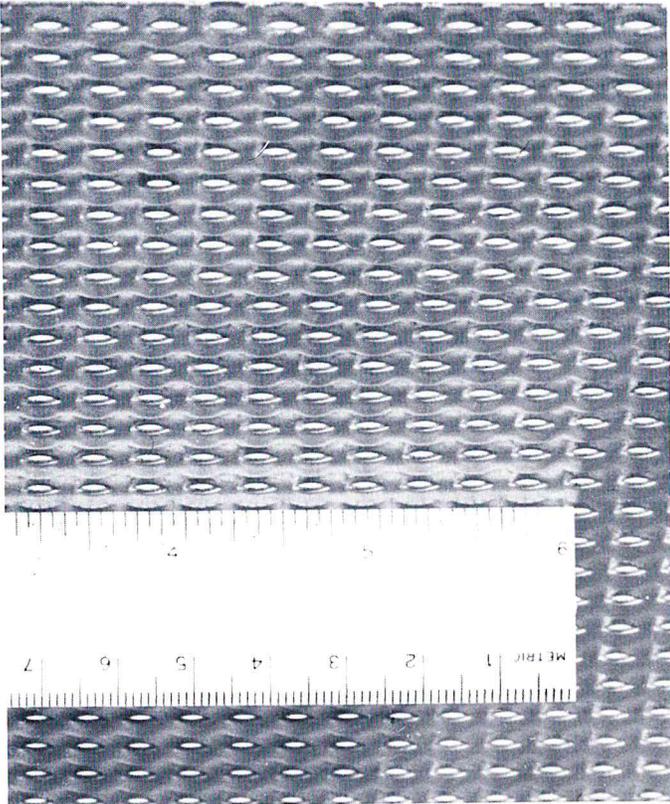
CURVE	OPENING (INCHES)	% OPEN AREA
1	.010	2.4
2	.015	4.4
3	.020	6.6
4	.032	12.2
5	.063	24.6
6	.095	36.7
7	.125	37.8

See representative photographs on reverse side.

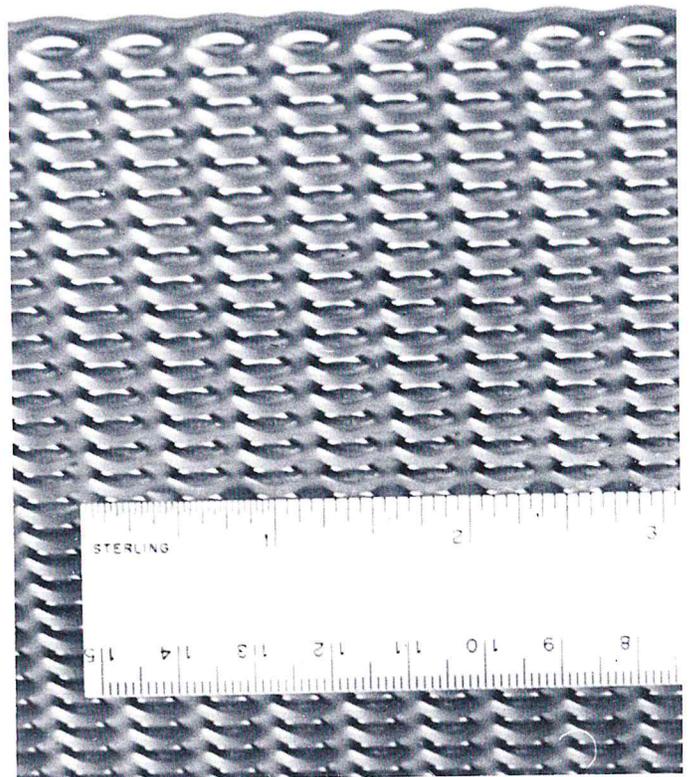


LEEM Filtration

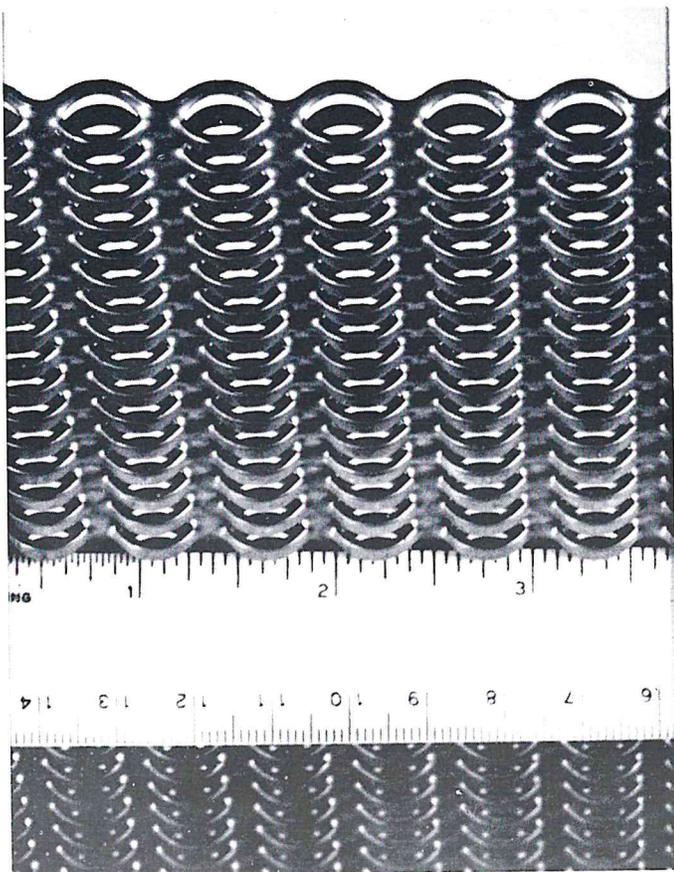
25 Arrow Road • Ramsey, NJ 07446
 www.leemfiltration.com



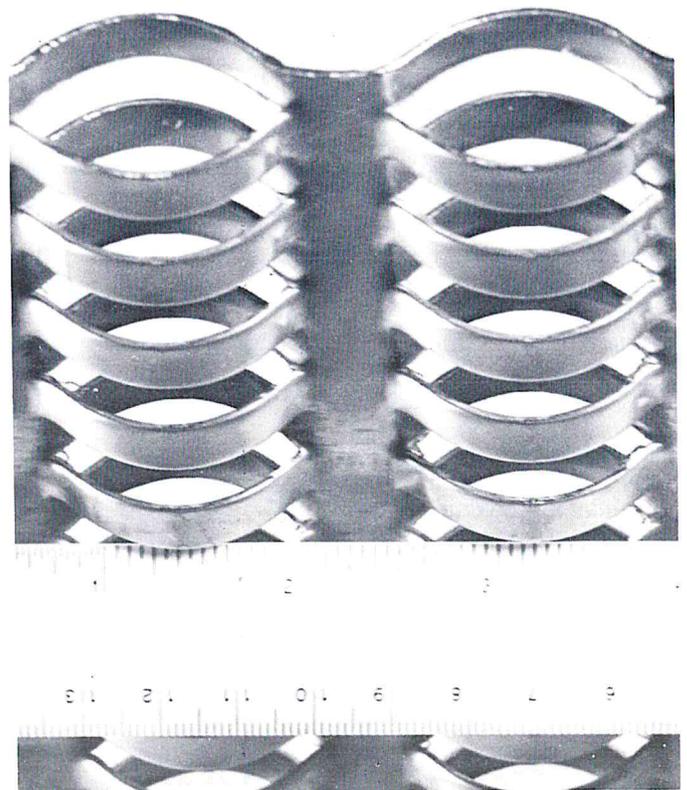
Opening .020



Opening .063



Opening .125



Opening .375