

LIQUID PLATE TRAP MAGNETS

APPLICATION:

These USDA approved (US Department of Agriculture Approved) units are for high volume applications requiring gentle flow characteristics (cottage cheese, fruit preserves, etc). The exploded view shows the product flow is split by the internal baffle and diverted onto two flat plate magnets. Different sized baffles can be provided to match your product's need.

Available in 1" - 4" line sizes with most sanitary connections or in pipe sizes, pipe flanges, camlocks or pipe threads. The body can have different sized connectors if it is desirable to use the Liquid Plate Magnet as a line reducer/expander. Water jackets are optional. Even different sized baffles are not a problem.

*Now available in 6" line sizes with pressures to 75 PSI

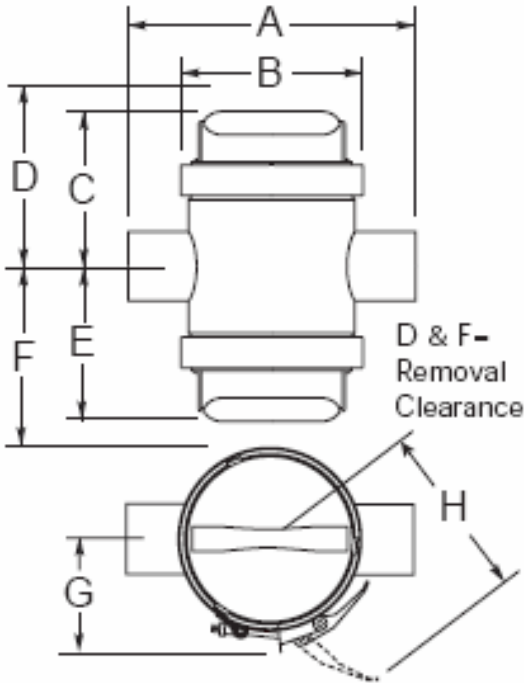


TABLE A

Select a class that best matches the most viscous product to be pumped. Remember that temperature and percent of liquid can greatly affect a product's viscosity class. If needed, water jackets can be added to heat or cool the product.

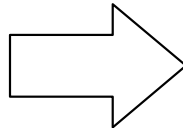
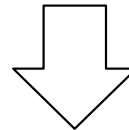


TABLE B - MODEL 125

Line Size	Maximum Flow - Gallons/Minute				Maximum Pressure
	Class 1	Class 2	Class 3	Class 4	
1.5" - 2"	130	90	52	26	200 PSI
2.5" - 3"	200	140	80	40	200 PSI
4"	250	175	100	50	200 PSI



Liquid Plate Trap Dimensions & Weights (Inches & Pounds)

Line Size	A	B	C	D	E	F	G	H	Net Wt.	Ship Wt.
1.5" - 2"	8.25"	7	4.8	5.3	4.8	5.3	5.3	8.7	27.8	33
2.5" - 3"	10.25"	9	5.7	6.2	5.7	6.2	6	10	45.7	55
4"	10.25"	9	6.5	7	6.5	7	6	10	55	64

*Standard line Connections only - Others may vary



CLASS 1: (1-1000 Centipoise)
Beverages, clear broths, thin soups, juices, warm jellies, light sauces, thin salad dressings.

CLASS 2: (1000-5000 Centipoise)
Applesauce, pulped fruits and vegetables, syrups, custards, baby foods, cranberries, hot preserves.

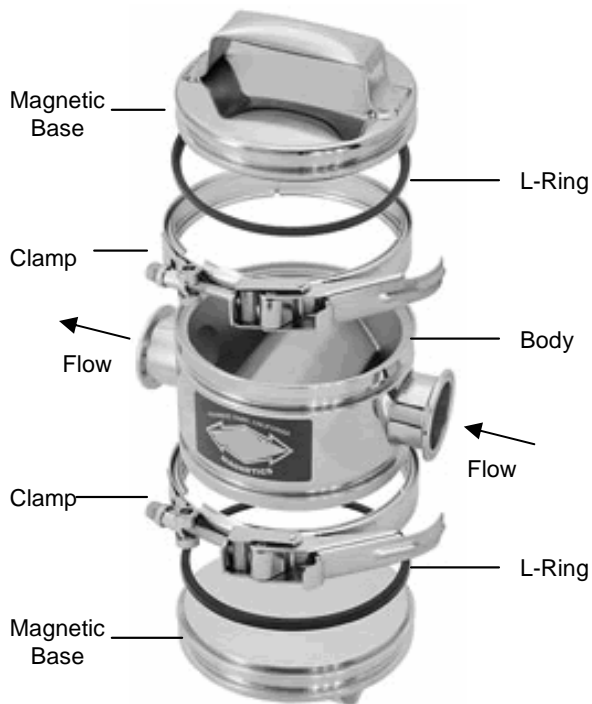
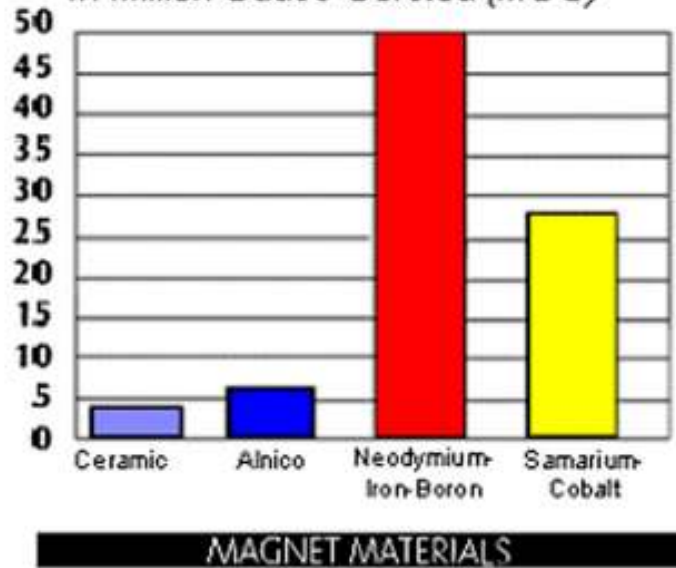
CLASS 3: (5000-50,000 Centipoise)
Chopped foods, creamed cheese, pumpkin filling, frozen slush, heavy sauces, batters, heavy purees.

CLASS 4: (50,000 + Centipoise)
Cooled products, pet foods, nut butters, minced meat, thick batters, and slow flowing products.

CONSTRUCTION:

- Highest grade of magnet material with choices including Neodymium-Iron-Boron (rare-earth), Samarium-Cobalt (rare-earth), Ceramic, and Alnico.
- 100% Stainless Steel Construction
- Liquid tight with food grade O-rings
- Easy access for inspection and maintenance
- Tri-clamp, Bevel-seat (Acme thread), or weld end inlet and outlets
- Sanitary construction

Maximum Energy Product
in Million Gauss-Oersted (MGO)



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