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LIQUID PLATE TRAP MAGNET

Specific Model and Sizing

Refer to Tables A, B, and C. Use Table “A” to select your application’s product viscosity. Use Table B to match your application’s product viscosity with pumping capacity to select model or line size. When operating at or close to a Liquid Trap’s upper flow capacity we recommend moving up to the next size.

Table A. Product Viscosity

Class 1	Class 2	Class 3	Class 4
Fluids and Strained Products	Pulped Products	Viscous Products	Very Viscous Products
thin salad dressings, thin soups, warm jellies, clear broths, beverages, juices, light sauces	applesauce, pulped fruits and vegetables, custards, syrups, cranberries, hot preserves, baby foods	pumpkin filling, chopped foods, creamed cheese, frozen slush, heavy sauces, batters, heavy purees	nut butters, slow flowing products, cooled products, minced meat, thick batters, pet foods

**Table B. Maximum Pressures in Pounds per Square Inch (Bar)
 Maximum Flow Capacity in Gallons Per Minute (Liters Per Minute)**

MODEL	LINE SIZE	MAXIMUM PRESSURE	MAXIMUM FLOW CAPACITY			
			CLASS 1	CLASS 2	CLASS 3	CLASS 4
NSLP (115)	1 1/2" - 2"	150 (10.3)	60 (230)	42 (160)	24 (90)	12 (45)
	2 1/2" - 3"	150 (10.3)	85 (320)	60 (225)	34 (130)	17 (65)
NDLP (120)	6"	75 (5.1)	300 (1135)	210 (800)	120 (450)	60 (230)
NDLP (125)	1" - 2"	200 (13.8)	130 (500)	90 (340)	52 (200)	26 (100)
	.5" - 3"	200 (13.8)	200 (760)	140 (530)	80 (300)	40 (150)
	4"	200 (13.8)	250 (950)	175 (660)	100 (375)	50 (190)

Table C. Food Grade L-ring Gaskets

PROPERTY	EPDM(Std.)	BUNA-N	VITON
Temperature Range	-50 to 400°F	-20 to 225°F	-15 to 400°F
Acid resistance	fair	good	excellent
Alkali resistance	good	fair	good
Veg. Oil resistance	poor	excellent	excellent
Steam, to 350°F	good	poor	poor