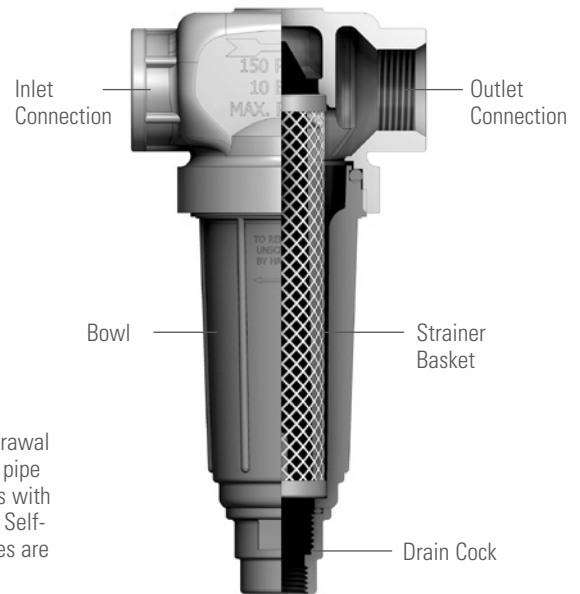


**STRAINER**  
**FEATURES AND BENEFITS**

- Reduce clogging in tank cleaners and tank cleaning nozzles
- Remove contaminants from liquid to ensure continuous movement of rotating spray heads
- Extend wear life of nozzles, valves and pumps
- Wide range of options: heavy duty, heavy duty high pressure, self cleaning and a wide range of mesh sizes

**T-Style Strainer**

T-strainers feature a removable bottom cap or plug for complete withdrawal of the screen assembly during cleaning. On some models, the bottom pipe plug can be replaced with a drain cock for quick-flush cleaning. Models with a clear nylon bowl allow easy visual inspection of the internal screen. Self-clean designs allow filtered liquid to pass through, while liquid particles are returned back to the liquid supply through a return outlet.



**STRAINER OPTIONS**

**TWD**

- 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2" female conn.
- Removable bottom plug for easy screen cleaning
- Bottom plug can be replaced with drain cock for flush cleaning
- Max. pressure: 300 psi (20 bar)
- Materials: Aluminum, brass, stainless steel
- Mesh: 16, 30, 50, 80, 100, 40 x 200 Dutch weave
- Use TWC for connections of 3" and up.
- TWC handles large flow rates with minimal pressure drops. Call your local specialist for application assistance.



**Model 8310A:**

- Designed for high pressure operation
- Removable bottom plug for easy flush cleaning of screen
- 1/4", 3/8", 1/2" female conn.
- Max. pressure: 5000 psi at 150°F (345 bar at 66°C)
- Material: Stainless steel
- Mesh: 16, 30, 50, 100



**AA124/AA430**

- 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2" female conn. (Inlet connections vary depending on strainer type)
- Larger size screen area requires less frequent cleaning
- Self-cleaning styles and versions with mounting lugs available
- AA124 and AA430 versions are the same except for materials and inlet connections



Strainer Type	Strainer Part No.	Material*	Max. Pressure	Mesh Sizes
124	AA124-AL	Aluminum head/nylon bowl	150 psi (10 bar)	16, 30, 50, 80, 100
124ML with mounting holes**	AA124ML-AL	Aluminum head/nylon bowl	150 psi (10 bar)	16, 30, 50, 80, 100
124A self-cleaning version	AA124ASC-NYB	Aluminum head/nylon bowl	110 psi (8 bar)	16, 30, 50, 80, 100
430ML with mounting holes**	AA430ML	Polypropylene head/nylon bowl	110 psi (8 bar)	16, 30, 50, 80, 100, 120, 200 <sup>1</sup>
430 self-cleaning version	AA430SC	Polypropylene head/nylon bowl	75 psi (5 bar)	16, 30, 50, 80, 100, 120, 200 <sup>1</sup>

\*Max. temperature for plastic 100°F (38°C); max. temperature for metal 180°F (82°C).

\*\*For mounting on machinery or angle iron.

<sup>1</sup>120 only for 1-1/4" and 1-1/2" sizes; 200 only for 3/4" and 1" sizes.



MESH RECOMMENDATIONS

Nozzle Type	Mesh Recommendation
Motor Driven Tank Cleaner	100 min.
Fluid Driven (Turbine)	30 to 50
Fluid Driven (Reactionary Force and Constant Speed)	200 min.
Fixed Stationary	Refer to Mesh to Micron Conversion Chart

MESH TO MICRON CONVERSION CHART

Mesh	Micron	Inches (mm)
16	1191	0.0469 (1.2)
20	840	0.0331 (.84)
30	590	0.0232 (.58)
50	297	0.0117 (.29)
60	250	0.0098 (.24)
80	177	0.0070 (.17)
100	149	0.0059 (.14)
200	74	0.0035 (.08)

DIMENSIONS AND WEIGHTS

Strainer	Model	Inlet Conn. in.	L in. (mm)	W in. (mm)	B in. (mm)	Net Weight oz. (kg)
	TWD	1/4	3.922 (99.6)	2.500 (63.5)	3.235 (82.2)	24.9 (0.71)
		3/8	4.905 (124.6)	3.250 (82.6)	3.965 (100.7)	28.2 (0.80)
		1/2	4.905 (124.6)	3.250 (82.6)	3.965 (100.7)	28.2 (0.80)
		3/4	7.535 (191.4)	4.500 (114.3)	6.225 (158.1)	80.4 (2.28)
		1	7.535 (191.4)	4.500 (114.3)	6.225 (158.1)	76.7 (2.17)
		1-1/4	10.320 (262.1)	6.000 (152.4)	8.380 (212.9)	190.2 (5.39)
		1-1/2	10.320 (262.1)	6.000 (152.4)	8.380 (212.9)	183.5 (5.20)
		2	12.365 (314.1)	8.000 (203.2)	9.805 (249)	357.8 (10.14)
	8310A	1/4	6.090 (154.7)	2.750 (69.9)	5.340 (135.6)	76.9 (2.18)
		3/8	6.090 (154.7)	2.750 (69.9)	5.340 (135.6)	75.8 (2.15)
		1/2	6.090 (154.7)	2.750 (69.9)	5.340 (135.6)	74.8 (2.12)
		1-1/4	9.400 (238.8)	5.344 (135.7)	8.020 (203.7)	77.2 (2.19)
	AA124	1-1/2	9.400 (238.8)	5.344 (135.7)	8.020 (203.7)	76.9 (2.18)
		2	12.000 (304.8)	7.438 (188.9)	10.000 (254)	215.2 (6.10)
		2-1/2	12.000 (304.8)	7.438 (188.9)	10.000 (254)	204.9 (5.81)
		1-1/4	8.750 (222.3)	5.343 (135.7)	7.355 (186.8)	53.3 (1.51)
	AA124SC	1-1/2	8.750 (222.3)	5.343 (135.7)	7.355 (186.8)	52.2 (1.48)

Based on the largest/heaviest version of each type.



PAWIN Engineering Co., Ltd.

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Spraying Systems Co.®

DIMENSIONS AND WEIGHTS

Strainer	Model	Inlet Conn. (in.)	L in. (mm)	W in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	Net Weight oz. (kg)
	AA124ML	3/4	7.953 (202)	4.188 (106.4)	1 (25.4)	5.891 (149.6)	7.453 (189.3)	31.0 (0.88)
		1	7.953 (202)	4.188 (106.4)	1 (25.4)	5.891 (149.6)	7.453 (189.3)	30.3 (0.86)
		1-1/4	9.688 (246.1)	5.344 (135.7)	1.5 (38.1)	7.234 (183.7)	9.156 (232.6)	41.6 (1.18)
		1-1/2	9.688 (246.1)	5.344 (135.7)	1.5 (38.1)	7.234 (183.7)	9.156 (232.6)	39.2 (1.11)
		2	14.480 (367.8)	7.438 (188.9)	2.375 (60.3)	11.234 (285.3)	13.855 (351.9)	107.9 (3.06)
		2-1/2	14.480 (367.8)	7.375 (188.9)	2.375 (60.3)	11.234 (285.3)	13.855 (351.9)	103.0 (3.06)
	AA124ASC	3/4	8.325 (211.5)	4.188 (106.4)	–	7.170 (182.1)	–	52.5 (1.49)
		1	8.325 (211.5)	4.188 (106.4)	–	7.170 (182.1)	–	50.4 (1.43)

Based on the largest/heaviest version of each type.

MATERIAL

CODE

Aluminum	AL
Brass	B
Ductile Iron	No code
Nylon	NYB
Polypropylene	PP
Polypropylene head/clear nylon bowl	NYC
303 stainless steel	SS
316 stainless steel	316SS

ORDERING INFORMATION

TWD AND TWC STRAINERS

Inlet Conn.*	Model	–	Material Code	Mesh Size	EXAMPLE
					1/4 – TWD – SS – 100

AA124/AA430 SELF-CLEANING STRAINER

Model	–	Inlet Conn.*	–	Self Cleaning**	–	Material Code	–	Mesh Size	EXAMPLE
									AA124 – 1-1/4 – SC – NYB – 50

8310A STRAINER

Model	–	Inlet Conn.*	–	Mesh Size	EXAMPLE
					8310A – 3/8 – 100

\*BSPT connections require the addition of a “B” prior to the inlet connection.

\*\*Leave blank for standard version

