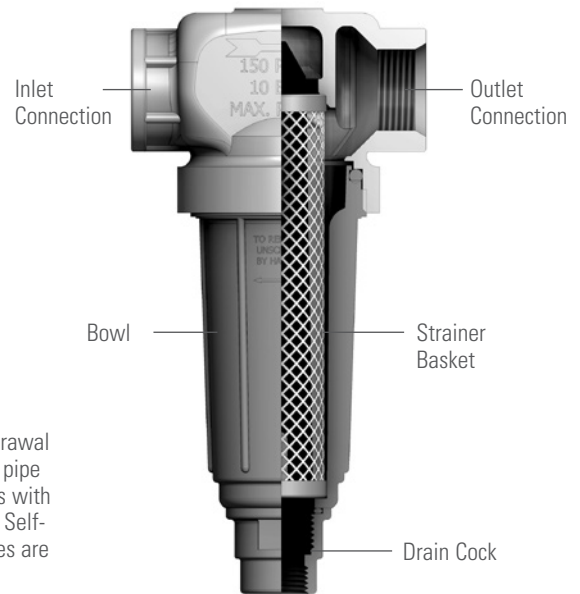


STRAINER
FEATURES AND BENEFITS

- 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 ¹ |
| 430 self-cleaning version | AA430SC | Polypropylene head/nylon bowl | 75 psi (5 bar) | 16, 30, 50, 80, 100, 120, 200 ¹ |

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

**For mounting on machinery or angle iron.

¹120 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

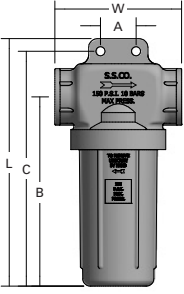
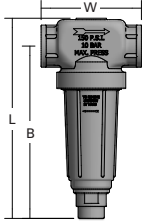
| Mesh | Micron | Inches (mm) |
|------|--------|--------------|
| 16 | 1191 | 0.0469 (1.2) |
| 20 | 840 | 0.0331 (.84) |
| 30 | 590 | 0.0232 (.58) |
| 50 | 297 | 0.0117 (.29) |
| 60 | 250 | 0.0098 (.24) |
| 80 | 177 | 0.0070 (.17) |
| 100 | 149 | 0.0059 (.14) |
| 200 | 74 | 0.0035 (.08) |

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.

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

