

Models: 125F-CI*, 125F-B

Cast Iron or Cast Bronze Flanged End Basket Type Strainers Sizes: 3/4" - 18" (10-450mm)

| Pressure / Temperature - Non-Shock | | |
|------------------------------------|-----------|---|
| Model | Material | Rating |
| 125F-CI 3/4"-12" | Cast Iron | 200psi @ -20°F to 150°F 13.79 bar @ 65.56°C 190psi @ 200°F 13.10 bar @ 93.33°C |
| 125F-CI 14"-18" | Cast Iron | 150psi @ -20°F to 150°F 10.34 bar @ 65.56°C 125psi @ 250°F 8.62 bar @ 121.11°C |
| 125F-B 3/4"-18" | Bronze | 225psi @ -20°F to 150°F 15.51 bar @ 65.56°C 210psi @ 200°F 14.48 bar @ 93.33°C |

All units rate 200psi with knob type closure

125F-CI Cast Iron **Class 125**

125F-B Bronze **Class 150**



Model 125F

*125F supersedes Model 195.
 195 still available upon request.

Strainers provide economical protection for costly pumps, meters, valves, and other similar mechanical equipment by straining foreign matter from the connected piping system. Installation of a strainer before mechanical equipment can ensure trouble free service and avoid costly shutdowns for repair or replacement of equipment damaged by foreign matter. The size of the perforation or mesh in the basket screen will determine the smallest particles captured. See Strainer Information section in the Mueller Steam Specialty Engineering binder for detailed information including sizes and materials available.

Typical Service

- These strainers can be specified for cooling water, seawater, hot water systems and more.

Features

- Designed for large capacity straining and ease of maintenance.
- Cover is secured with quick-opening knobs to minimize service time.
- O-ring seals on both the cover and baskets can usually be reused after service, no need to clean gasket residue and replace costly gaskets.
- Machined basket seat eliminates particle bypass.

Construction

- Standard cover has O-ring seal and quick release knob fasteners up to 8" size, bolted cover for sizes 10" and up.
- Bolted cover available for all sizes, consult factory
- Swing clamp covers are available, consult factory
- Plugged NPT connection is provided at location D. See next page.

Capacity

- Minimum 6 to 1 ratio

Galvanizing

- Available on cast iron models. Other coatings are available on application.

Baskets

| MODEL | SIZES | STANDARD (WATER) | | STEAM RECOMENDATION | |
|-----------------|-----------|------------------|-----------|---------------------|-----------|
| | | MATERIAL | OPENING | MATERIAL | OPENING |
| 125F-CI, 125F-B | 3/4" - 4" | 304SS | .062 perf | 304SS | .062 perf |
| 125F-CI, 125F-B | 5"-18" | 304SS | .125 perf | 304SS | .125 perf |

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Material

| | 125F-CI | 125F-B |
|--------|-----------------------|---------------------------------|
| Body | Cast Iron ASTM A126-B | Bronze ASTM B62 (Type 85-5-5-5) |
| Cover | Cast Iron ASTM A126-B | Bronze ASTM B62 (Type 85-5-5-5) |
| O-Ring | Buna-N | Buna-N |

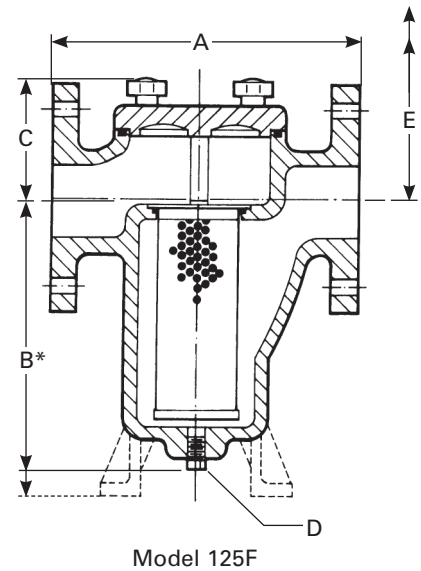
Pressure Drop

See Pressure Drop Charts in Technical Data section of the Mueller Steam Engineering binder.

Dimensions and Weights

| SIZE | DIMENSIONS | | | | | | | | WEIGHT | | | | |
|----------|-------------|-------------|-------------|----------|---------------|-----------|---------|--------|------------------|-----------|-----------|-----------|-----------|
| | A | | B | | C | | D (NPT) | | E Screen Removal | | Cast Iron | | Bronze |
| in. mm | in. mm | in. mm | in. mm | in. mm | in. mm | in. mm | in. mm | in. mm | in. mm | lbs. kgs. | lbs. kgs. | lbs. kgs. | lbs. kgs. |
| 3/4 20 | 5 11/16 145 | 4 11/16 119 | 2 3/4 70 | 3/8 10 | 5 7/8 150 | 9 4 | 11 5 | | | | | | |
| 1 25 | 5 11/16 145 | 4 11/16 119 | 2 3/4 70 | 3/8 10 | 5 7/8 150 | 9 4 | 11 5 | | | | | | |
| 1 1/4 32 | 6 15/16 176 | 6 1/2 165 | 3 76 | 1/2 15 | 8 1/8 206 | 15 6.8 | 18 8 | | | | | | |
| 1 1/2 40 | 6 15/16 176 | 6 1/2 165 | 3 76 | 1/2 15 | 8 1/8 206 | 15 6.8 | 18 8 | | | | | | |
| 2 50 | 9 229 | 7 7/8 200 | 3 3/8 92 | 3/4 20 | 10 1/8 257 | 26 11 | 31 14 | | | | | | |
| 2 1/2 65 | 10 3/8 264 | 8 3/4 222 | 4 102 | 1 25 | 11 1/16 291 | 38 17 | 45 20 | | | | | | |
| 3 90 | 11 3/4 298 | 11 3/8 289 | 4 1/2 114 | 1 25 | 14 9/16 376 | 62 28 | 72 32 | | | | | | |
| 4 100 | 15 381 | 15 7/8 403 | 5 3/4 146 | 2 50 | 19 7/8 505 | 118 53.6 | 147 66 | | | | | | |
| 5 125 | 18 3/8 467 | 18 3/8 467 | 7 7/16 189 | 1 1/2 40 | 25 9/16 650 | 170 77 | 210 95 | | | | | | |
| 6 150 | 20 1/4 514 | 22 3/8 568 | 8 3/16 208 | 2 50 | 29 1/8 740 | 266 120 | 315 143 | | | | | | |
| 8 200 | 27 3/8 695 | 27 3/4 705 | 9 9/16 233 | 2 50 | 29 1/8 943 | 518 235 | 553 251 | | | | | | |
| 10 250 | 29 1/2 749 | 35 9/16 897 | 12 7/16 316 | 2 50 | 50 13/16 1291 | 1134 515 | CF CF | | | | | | |
| 12 300 | 33 3/4 857 | 43 7/8 1114 | 10 3/4 273 | 2 50 | 61 1/4 1556 | 1200 544 | CF CF | | | | | | |
| 14 350 | 47 7/8 1197 | 34 3/8 873 | 20 5/8 524 | 2 50 | 69 1753 | 1725 784 | CF CF | | | | | | |
| 16 400 | 47 7/8 1197 | 34 3/8 873 | 20 1/16 510 | 2 50 | 69 1753 | 2100 954 | CF CF | | | | | | |
| 18 450 | 49 1/2 1257 | 58 1381 | 16 406 | 2 50 | 82 2083 | 2850 1295 | CF CF | | | | | | |

CF - Consult Factory. Apply for Certified Drawings.



Model 125F

* "B" dimension includes the floor supports on 4" size and larger

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A Watts Water Technologies Company

ES-MS-125F_125FB 1020

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