

Model 72L



- Carbon steel with Tefzel® liner
- Corrosion resistant
- Sizes 1" to 6"
- Flanged

Features

- Excellent corrosion resistance
- Abrasion resistant 1/8" Tefzel lining
- Tefzel-coated baskets
- Service temperatures to 300 °F (149 °C)
- Quick opening covers
- Large capacity baskets
- Flanged drain
- Low cost alternative to exotic alloy strainers

Options

- MONEL® baskets
- HASTELLOY® C baskets
- Consult Eaton for available perf and mesh sizes

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A continuous lining of advanced fluoropolymer resin makes the Eaton Model 72L simplex strainer an excellent low cost alternative to exotic alloy strainers in a wide variety of corrosive or abrasive lined piping applications. These applications include wastewater treatment, paper mills, hazardous materials, flue gas systems, ultra pure water handling, chemical and petrochemical processing. The basic design of the Model 72L is Eaton's time tested Model 72 simplex basket strainer.

The body and cover of the Model 72L are lined, not just coated with Tefzel. This protects all wetted surfaces of the strainer, making it impervious to attack by chemicals that can cause rapid deterioration of other types of plastics and all but the most costly metal alloys.

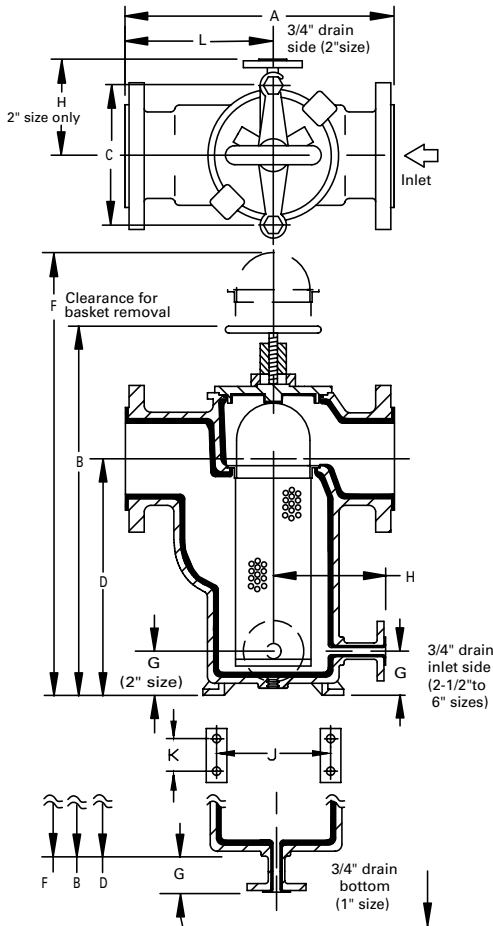
The Tefzel fluoropolymer lining is inert to strong mineral acids, inorganic bases, halogens and metal salt solutions. Even carboxylic acids, anhydrides, aromatic and aliphatic hydrocarbons, alcohols, aldehydes, ketones, ethers, esters, chlorocarbons and classic polymer solvents have no effect on the Tefzel lining. Service temperatures can range up to 300 °F (149 °C) in many applications. The lining also displays excellent mechanical strength when handling abrasive slurries.

Fitted with fluoropolymer coated perforated baskets or mesh baskets made of MONEL or HASTELLOY C, these strainers can be used in almost any lined piping or similar corrosive/abrasive strainer application.

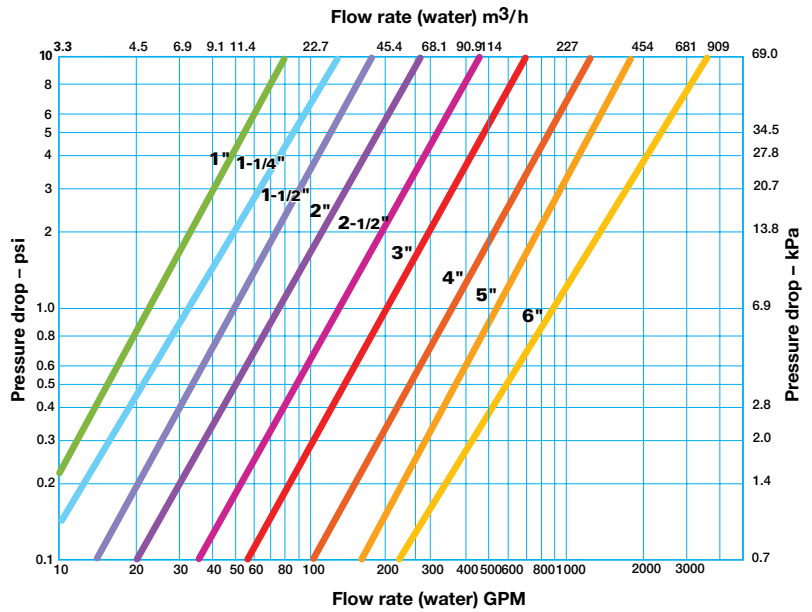


Powering Business Worldwide

Model 72L Tefzel-Lined Basket Strainer



Dimensions and weights are for reference only. Contact Eaton for certified drawings.



Selection chart

| Size | Material | End connections | Seals | Pressure rating |
|----------|--------------------------------|-----------------|--------|--|
| 1" to 6" | Carbon steel with Tefzel liner | Flanged 150# | Viton® | 200 psi @ 100 °F (13.8 bar @ 38 °C) |

Dimensions (in/mm)

| Pipe size | A | B | C | D | F | G | H | J | K | L | Dry wt (lb / kg) |
|-----------|-------------|-------------|-------------|-------------|-----------|-----------|------------|-------------|------------|-------------|------------------|
| 1 | 7.88 / 200 | 9.00 / 229 | 4.00 / 102 | 5.00 / 127 | 12 / 305 | 2.75 / 70 | - | - | - | 4.50 / 114 | 15 / 7 |
| 2 | 10.75 / 273 | 13.75 / 349 | 6.75 / 172 | 7.63 / 194 | 20 / 508 | 1.88 / 48 | 5.63 / 143 | 5.50 / 140 | 2.50 / 64 | 5.88 / 149 | 48 / 22 |
| 2-1/2 | 11.88 / 302 | 15.75 / 400 | 8.00 / 203 | 8.88 / 226 | 23 / 584 | 2.19 / 56 | 6.25 / 159 | 6.50 / 165 | 2.88 / 73 | 6.50 / 165 | 70 / 32 |
| 3 | 13.75 / 349 | 18.75 / 476 | 8.00 / 203 | 12.00 / 305 | 27 / 686 | 2.31 / 59 | 6.38 / 162 | 7.00 / 118 | 3.13 / 80 | 7.38 / 187 | 95 / 43 |
| 4 | 17.50 / 445 | 20.00 / 508 | 10.75 / 273 | 10.69 / 272 | 30 / 762 | 2.38 / 60 | 7.75 / 197 | 10.00 / 254 | 3.88 / 99 | 9.75 / 248 | 139 / 63 |
| 6 | 19.88 / 505 | 28.25 / 718 | 10.75 / 273 | 18.31 / 465 | 46 / 1168 | 2.19 / 56 | 7.88 / 200 | 10.00 / 254 | 5.00 / 127 | 11.00 / 279 | 250 / 1134 |

C_v factors*

| Size | Value |
|--------|-------|
| 1" | 23 |
| 2" | 72 |
| 2-1/2" | 135 |
| 3" | 170 |
| 4" | 350 |
| 6" | 880 |

* For water with clean, perforated basket

Basket & screen effective area – Tefzel-coated basket

| Pipe size (in) | Perf. size (in) | Pipe area (in ²) | Screen area (in ²) | Free area (in ²) | Free/pipe ratio |
|----------------|-----------------|------------------------------|--------------------------------|------------------------------|-----------------|
| 1" | 1/32 | 0.86 | 19.5 | 5.2 | 6.1 |
| 2" | 1/16 | 3.35 | 50.9 | 15.8 | 4.7 |
| 2-1/2" | 1/16 | 4.78 | 80.2 | 24.9 | 5.2 |
| 3" | 5/32 | 7.39 | 114.5 | 72.1 | 9.8 |
| 4" | 5/32 | 12.73 | 168.3 | 106.0 | 8.3 |
| 6" | 5/32 | 28.90 | 324.2 | 204.2 | 7.1 |

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