

# 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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HASTELLOY® is a registered trademark of Haynes International Inc.

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 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.

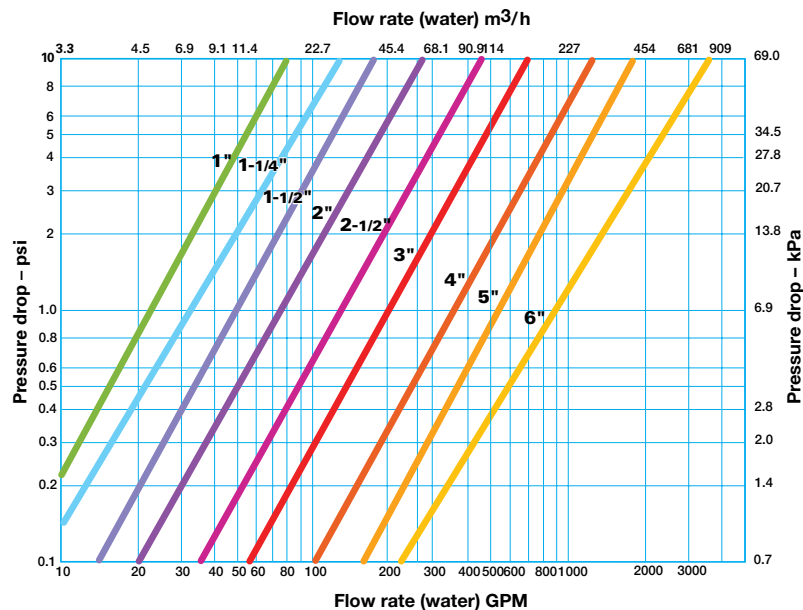
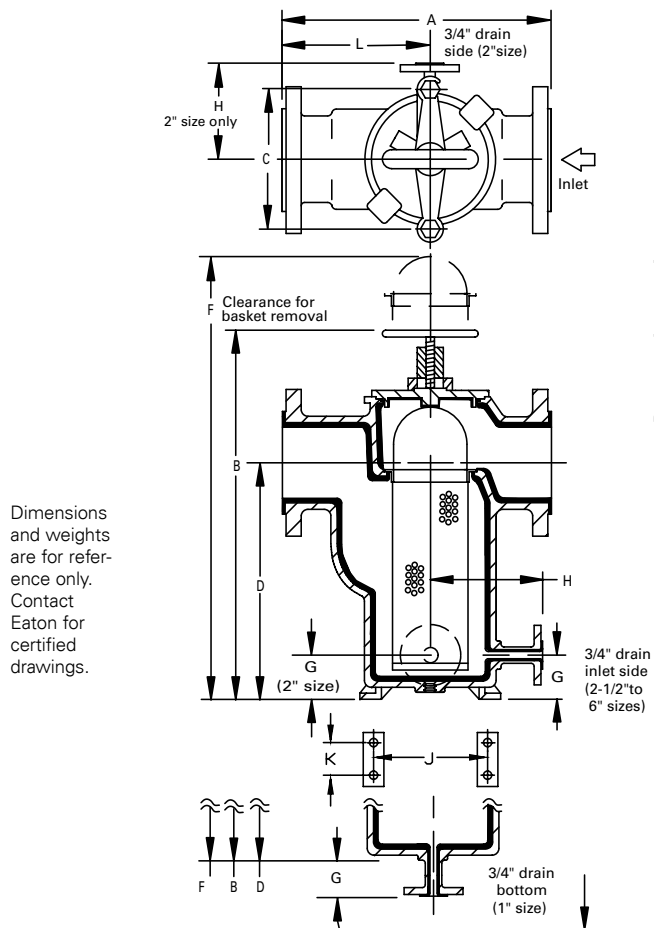
The Tefzel fluoropolymer lining is inert to strong mineral acids, inorganic bases, halogens and metal salt solutions. Even carboxylic acids, anhydrides, aromatic and aliphatic hydrocarbons, alcohols, aldehydes, ketones, ethers, esters, chlorocarbons and classic polymer solvents have no effect on the 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.



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# Model 72L Tefzel-Lined Basket Strainer



## 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

## Cv 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 <sup>2</sup> )	Screen area (in <sup>2</sup> )	Free area (in <sup>2</sup> )	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

Contact your authorized Eaton distributor today:

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