

# Model 73 Straight flow

- Iron or bronze
- Sizes 10" to 18"
- Flanged

## Features

- Quick open cover
- Straight through flow design
- Low pressure loss
- Convoluted basket design
- Hand removable basket
- Threaded drain
- Buna-N® O-ring seal
- Perforated or mesh 316 stainless steel basket
- Low profile
- American Bureau of Shipping (ABS) Type Approved for ship designers, builders and owners



## Options

- Basket perforations from 1/32" to 1/2"
- Basket mesh of 20, 40 or 60
- MONEL® baskets
- Vent valves
- Drain valves
- Gauge/vent taps - 1/4" NPT
- Pressure differential gauge and switches

MONEL® is a registered trademark of Special Metals Corporation group of Companies.



### The Best simplex strainer for high flow applications in large pipelines

The Eaton Model 73 simplex basket strainer with its straight flow design greatly reduces pressure loss and results in a compact strainer that can fit in tight spaces.

### Special basket strainer

Large size pipelines with high flow rates require a specific type of basket strainer. The convoluted (pleated) perforated or mesh screens in the basket increases the amount of straining area available while reducing the basket size and weight. This makes it easy to remove the basket from the strainer housing. No lifting tackle required. The quick opening

cover provides fast and easy access to the basket for quick service. This can save considerable time and money in labor.

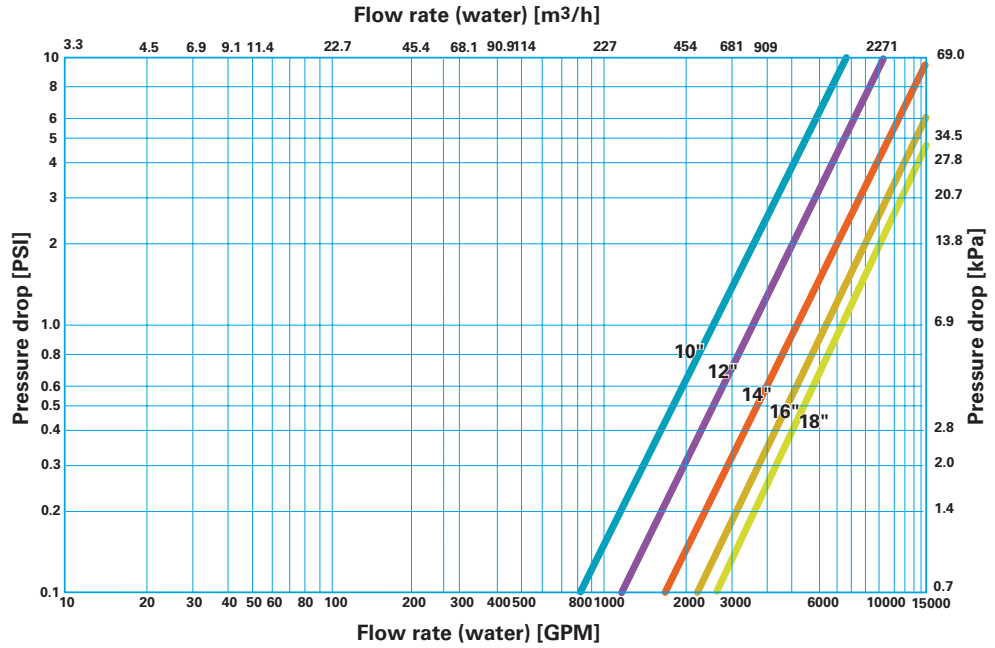
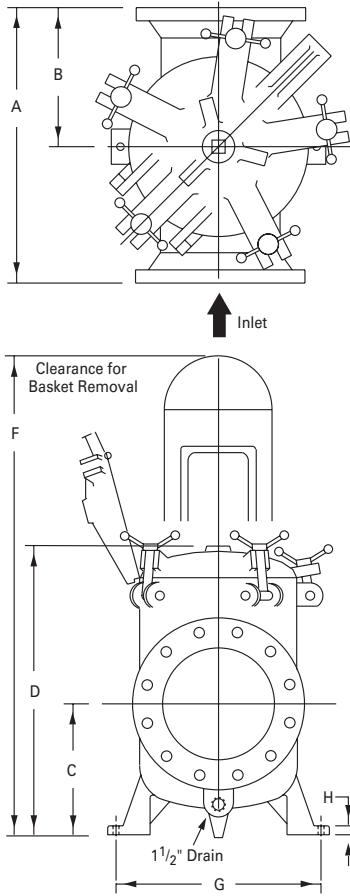
When selecting a pipeline strainer for a large size piping system with high flow rates, be sure to consider all the factors, not just initial pressure loss. The amount of straining area in the basket is critical to reducing the amount of time between cleanings or changeouts.



# EATON

Powering Business Worldwide

# Model 73 Straight Flow Strainer



## Selection chart

| Size       | Material | End connection | Seals  | Pressure rating  |
|------------|----------|----------------|--------|------------------|
| 10" to 12" | Iron     | Flanged 125#   | Buna-N | 13.8 bar @ 38 °C |
| 10" to 12" | Bronze   | Flanged 150#   | Buna-N | 13.8 bar @ 38 °C |
| 14" to 18" | Iron     | Flanged 125#   | Buna-N | 10.3 bar @ 38 °C |
| 14" to 18" | Bronze   | Flanged 150#   | Buna-N | 0.3 bar @ 38 °C  |

## Cv factors\*

| Size | Value |
|------|-------|
| 10"  | 2300  |
| 12"  | 3200  |
| 14"  | 5000  |
| 16"  | 6000  |
| 18"  | 7000  |

\* For water with clean, perforated basket

## Dimensions (in/mm) Model 73 straight flow

| Pipe size | A           | B           | C           | D            | F            | G           | H           | Net Wt (kg) |        |
|-----------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|--------|
|           |             |             |             |              |              |             |             | Iron        | Bronze |
| 10        | 23.00 / 584 | 11.00 / 279 | 12.19 / 310 | 29.00 / 737  | 47.00 / 1194 | 19.00 / 483 | 1 5/16 / 24 | 191         | 227    |
| 12        | 27.00 / 686 | 13.00 / 330 | 16.75 / 425 | 38.00 / 965  | 67.00 / 1702 | 23.00 / 584 | 1 / 25      | 250         | 374    |
| 14        | 31.00 / 787 | 15.50 / 394 | 18.75 / 476 | 45.00 / 1143 | 77.00 / 1956 | 27.00 / 686 | 1 / 25      | 386         | 522    |
| 16        | 31.00 / 787 | 15.50 / 394 | 18.75 / 476 | 45.00 / 1143 | 77.00 / 1956 | 27.00 / 686 | 1 / 25      | 443         | 635    |
| 18        | 31.00 / 787 | 15.50 / 394 | 18.75 / 476 | 45.00 / 1143 | 77.00 / 1956 | 27.00 / 686 | 1 / 25      | 454         | —      |

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

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EF-SSEA-6  
08-2018