

### Y-Type Strainers • Cast Iron

|               |   |
|---------------|---|
| Model         | CIY   |
| Sizes         | 1/2", 3/4", 1", 1 1/4", 1 1/2",<br>2", 2 1/2", 3", 4" |
| Connections   | NPT, FLG  |
| Body Material | Cast Iron   |



#### PRESSURE/TEMPERATURE RATINGS

|          |                          |
|----------|--------------------------|
| NPT      | 250 PSIG @ 406°F - Steam |
| NPT      | 400 PSIG @ 150°F - WOG   |
| 125# FLG | 125 PSIG @ 450°F - Steam |
| 125# FLG | 200 PSIG @ 150°F - WOG   |
| 250# FLG | 250 PSIG @ 450°F - Steam |
| 250# FLG | 500 PSIG @ 150°F - WOG   |

Note: WOG = Water, Oil or Gas.

#### Typical Applications

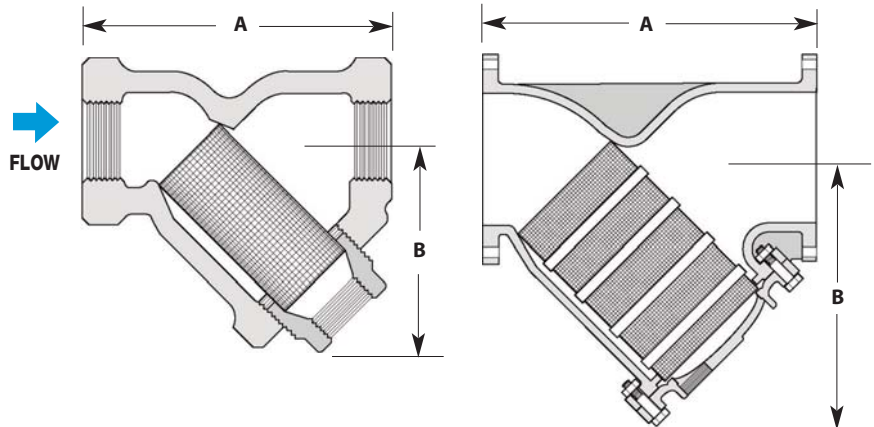
The CIY Y-Strainer is used to strain dirt particles from fluid in pipelines and provide inexpensive protection for costly pumps, meters, valves, traps, turbines and compressors.

#### Features

- Machined seat assures perfect fit for screen
- Blowdown connection and easily removable stainless steel cylindrical screens for easy maintenance
- Durable cast iron body

#### Installation

The strainer should be installed in the flow direction as indicated on the body in either a vertical down or horizontal pipeline. The strainer must be accessible for periodic cleaning.



#### DIMENSIONS & WEIGHTS – inches

| Size/Connection | Model Code      | A                              | B                              | Blowdown NPT | Weight (lbs) | Screen Mesh |
|-----------------|-----------------|--------------------------------|--------------------------------|--------------|--------------|-------------|
| 1/2" NPT        | CIY-12-N-020    | 3 <sup>3</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>16</sub> | 1/4          | 1.5          | 20          |
| 3/4" NPT        | CIY-13-N-020    | 3 <sup>3</sup> / <sub>4</sub>  | 2 <sup>7</sup> / <sub>16</sub> | 3/8          | 2.5          | 20          |
| 1" NPT          | CIY-14-N-020    | 4                              | 2 <sup>7</sup> / <sub>16</sub> | 3/8          | 3.5          | 20          |
| 1 1/4" NPT      | CIY-15-N-020    | 5                              | 3 <sup>3</sup> / <sub>8</sub>  | 3/4          | 6            | 20          |
| 1 1/2" NPT      | CIY-16-N-020    | 5 <sup>3</sup> / <sub>4</sub>  | 3 <sup>7</sup> / <sub>8</sub>  | 3/4          | 9            | 20          |
| 2" NPT          | CIY-17-N-020    | 7                              | 4 <sup>3</sup> / <sub>4</sub>  | 1            | 14           | 20          |
| 2" 125# FLG     | CIY-17-F125-045 | 7 <sup>7</sup> / <sub>8</sub>  | 6                              | 1/2          | 20           | 45          |
| 2" 250# FLG     | CIY-17-F250-045 | 9 <sup>5</sup> / <sub>8</sub>  | 6 <sup>1</sup> / <sub>2</sub>  | 1/2          | 26           | 45          |
| 2 1/2" NPT      | CIY-18-N-045    | 9 <sup>1</sup> / <sub>4</sub>  | 5 <sup>7</sup> / <sub>8</sub>  | 1 1/2        | 26           | 45          |
| 2 1/2" 125# FLG | CIY-18-F125-045 | 10                             | 8                              | 1            | 33           | 45          |
| 2 1/2" 250# FLG | CIY-18-F250-045 | 10 <sup>5</sup> / <sub>8</sub> | 7                              | 1            | 45           | 45          |
| 3" NPT          | CIY-19-N-045    | 10                             | 6                              | 1 1/2        | 32           | 45          |
| 3" 125# FLG     | CIY-19-F125-045 | 10 <sup>1</sup> / <sub>4</sub> | 8 <sup>3</sup> / <sub>4</sub>  | 1            | 37           | 45          |
| 3" 250# FLG     | CIY-19-F250-045 | 12                             | 8                              | 1            | 60           | 45          |
| 4" 125# FLG     | CIY-20-F125-045 | 12 <sup>1</sup> / <sub>8</sub> | 9 <sup>1</sup> / <sub>2</sub>  | 1 1/2        | 70           | 45          |
| 4" 250# FLG     | CIY-20-F250-045 | 14 <sup>1</sup> / <sub>2</sub> | 10 <sup>3</sup> / <sub>4</sub> | 1 1/2        | 94           | 45          |

#### MATERIALS

|                     |                         |
|---------------------|-------------------------|
| Body                | Cast Iron, A126 CLASS B |
| Plug                | Cast Iron, A126 CLASS B |
| Cover               | Cast Iron, A126 CLASS B |
| *Screen             | Stainless Steel         |
| *Gasket             | Grafoil                 |
| *Gasket (Flg Cover) | Garlock 3000            |