



YSB SERIES Y - STRAINER

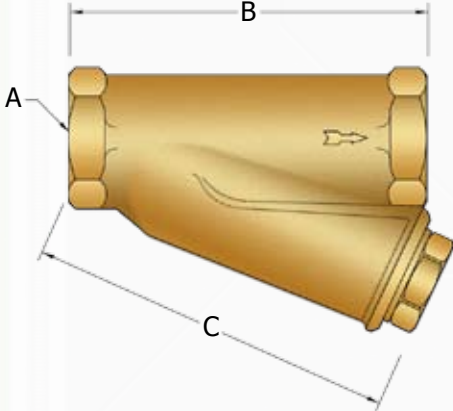


Features:

- Bronze Y Strainer 1/4" to 4"
- 100% American Made
- Self-Aligning Screen Design
- Available NPT or Solder Connection
- Working Pressure (cold non-shock)
- 125 psi @ 350°F Steam
- 400 psi @ 150°F WOG
- CRN 0E8959.5C



Dimensions

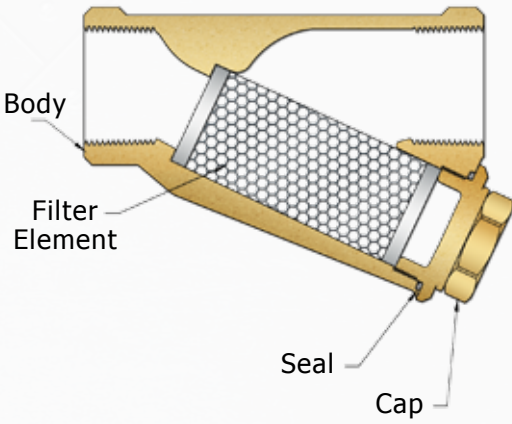


| Options (Suffix) | |
|------------------|-------------------------|
| LF | Lead Free |
| CT | Tapped Cap |
| CTP | Tapped Cap w/Plug |
| 20 | 20 Mesh (std 3/4"-2") |
| 40 | 40 Mesh |
| 50 | 50 Mesh (std 1/8"-1/2") |
| 60 | 60 Mesh |
| 80 | 80 Mesh |
| 100 | 100 Mesh |

| PART # | A | B | C |
|--------|--------|-------|-------|
| YSB-2 | 1/4" | 2.00 | 1.25 |
| YSB-3 | 3/8" | 2.69 | 2.00 |
| YSB-4 | 1/2" | 2.69 | 2.00 |
| YSB-6 | 3/4" | 3.87 | 3.25 |
| YSB-8 | 1" | 4.75 | 4.00 |
| YSB-10 | 1-1/4" | 5.12 | 4.25 |
| YSB-12 | 1-1/2" | 5.75 | 5.00 |
| YSB-16 | 2" | 6.75 | 6.00 |
| YSB-20 | 2-1/2" | 7.94 | 5.87 |
| YSB-24 | 3" | 9.12 | 6.87 |
| YSB-32 | 4" | 11.94 | 10.12 |

Bill of Materials

| PART # | Body | Filter Element | Seal | Cap |
|--------|--------------------------|--------------------------------------|--------------------|--------------------------|
| YSB-2 | Cast Bronze ASTM B584 | 302 Stainless Steel (50 mesh Std) | Teflon (O-Ring) | Brass ASTM B16 |
| YSB-3 | | | | |
| YSB-4 | | | | |
| YSB-6 | | | | |
| YSB-8 | Cast Bronze ASTM B584 | 302 Stainless Steel (20 mesh Std) | PTFE (Gasket) | Brass ASTM B16 |
| YSB-10 | | | | |
| YSB-12 | | | | |
| YSB-16 | | | | |
| YSB-20 | Cast Bronze ASTM B584 | 302 Stainless Steel (20 mesh Std) | PTFE (Gasket) | Cast Bronze ASTM B584 |
| YSB-24 | | | | |
| YSB-32 | | | | |



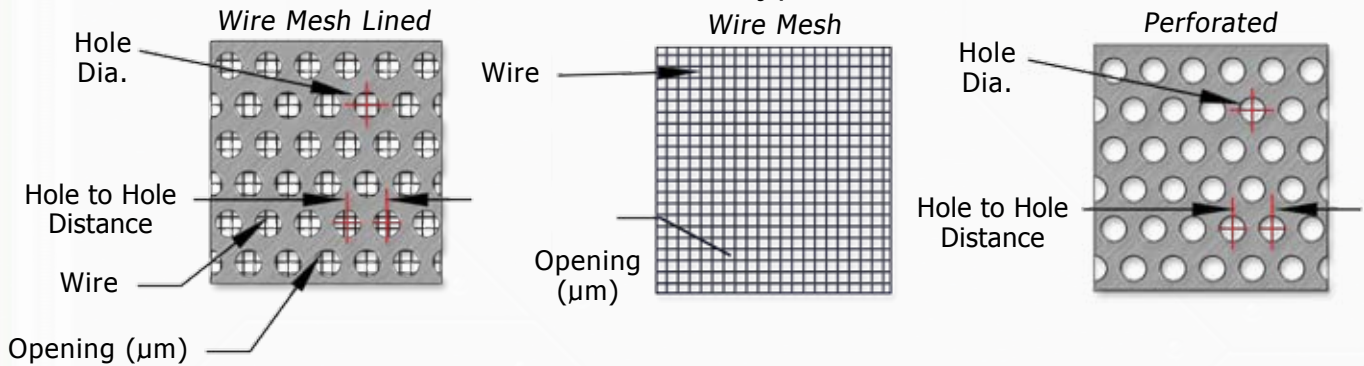


Y-Strainer Filter Material Data

General Recommended Sizes By Application

| Pipe Size | Filtering Grade | Media | | | | | |
|-------------------|-----------------|------------|---------------|------------------|----------------|------------|------------|
| | | Air/Gas | Oil | | | Steam | Water |
| | | | Low Viscosity | Medium Viscosity | High Viscosity | | |
| 1/2" Through 2" | Coarse | 1/32" Perf | 1/16" Perf | 1/10" Perf | 1/8" Perf | 1/32" Perf | 1/32" Perf |
| | Medium | 60 Mesh | 1/32" Perf | 1/16" Perf | 1/10" Perf | 30 Mesh | 20 Mesh |
| | Fine | 100 Mesh | 30 Mesh | 20 Mesh | 1/16" Perf | 60 Mesh | 30 Mesh |
| 2-1/2" Through 4" | Coarse | 1/16" Perf | 3/16" Perf | 1/4" Perf | 3/8" Perf | 3/64" Perf | 1/8" Perf |
| | Medium | 3/64" Perf | 1/8" Perf | 3/16" Perf | 1/4" Perf | 1/32" Perf | 1/16" Perf |
| | Fine | 60 Mesh | 3/16" Perf | 1/8" Perf | 3/16" Perf | 30 Mesh | 3/64" Perf |

Screen Types



Standard Perf. Sizes

| Hole Diameter | Distance hole to hole | % Open Area |
|---------------|-----------------------|-------------|
| 1/32" | .055 | 28 |
| 3/64" | .066 | 36 |
| 1/16" | .093 | 41 |
| 1/8" | .187 | 40 |
| 5/32" | .187 | 63 |
| 1/4" | .312 | 58 |

Standard Mesh Sizes

| Mesh (Linear in) | Micron (µm) | Wire Diameter |
|------------------|-------------|---------------|
| 20 | 914 | .014 |
| 30 | 566 | .011 |
| 40 | 381 | .010 |
| 60 | 246 | .007 |
| 80 | 190 | .005 |
| 100 | 139 | .0045 |

NOTES:

- 1.) Unsupported wire mesh strainers are recommended for 2" and under line size not exceeding 200 psi. Anything over these values should use wire mesh lined strainer elements. The most common backing is 5/32" perf.
- 2.) To determine strainer rating, consult engineer. Single strainer applications should be approx. 1/2 opening size of largest projected particle to be strained. However, a good rule of thumb is to not exceed 20 psi drop across a strainer. If exceeding this value, straining may need to be staged with more than one strainer in line. Start with coarse straining and integrate finer additional strainers with finer elements down stream.
- 3.) All strainer mesh and perforated screen 304 stainless steel. Other materials available upon request. (316 SS, Monel)
- 4.) A wide array of nonstandard mesh and perf sizes are available. consult factory for more information.

YS36



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