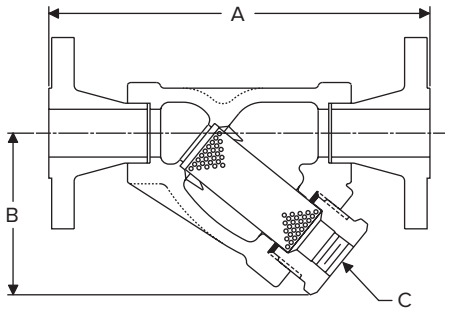
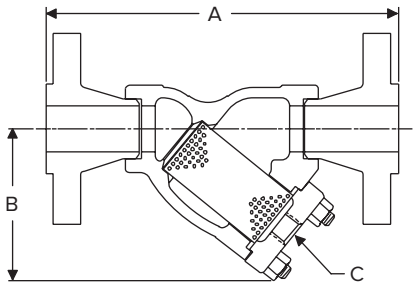
# Cast Stainless Steel (CF8M)
# Cl. 150, 300, and 600 Flanged 1/2" - 1-1/2"




E7FL 1/2", 3/4", 1"




E7FL 1-1/2"

**For a fully detailed certified drawing, refer to list below:**

| | |
|---|---|
| **E7FL 1/2", 3/4", 1"** | **CD #1071** |
| **E7FL 1-1/2"** | **CD #1063** |

**Materials: Class 150, 300, and 600 Flanged 1/2" - 1-1/2" (15 - 40 mm)**

| Connection Size | | Body | Screen Retainer | Gasket | Bolting | Standard Screen |
|---|---|---|---|---|---|---|
| in | mm | | | | | |
| 1/2, 3/4, 1 | 15, 20, 25 | ASTM A351 Gr. CF8M | ASTM A276 | 316 SS Flat | N/A | 316 SS .045" perforated† |
| 1-1/2 | 40 | | ASTM A351 Gr. CF8M | 304 SS Spiral Wound Non-asbestos | Studs ASTM A193 Gr. B7 Nuts ASTM A194 Gr. 2H | |

†NOTE: Other screen materials available. See page 435.

**Physical Data: Class 150, 300, and 600 Flanged 1/2" - 1-1/2" (15 - 40 mm)**

| Size | | Ordering Code, Standard Screen | Weight | | Dimensions | | | | | | Maximum Pressure | | | | Screen Retainer Type | Flanges |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | | B | | C | | Saturated Steam | | 100°F (38°C) non-shock | | | |
| in | mm | | lb | kg | in | mm | in | mm | in | mm | psig | barg | psig | barg | | |
| 1/2 | 15 | E7FL 150 | 5 | 2.3 | 6-7/8 | 175 | 2-11/16 | 68 | 3/8 | 9.5 | 200 | 14 | 275 | 19 | Threaded | ANSI B16.5 1/16" RF |
| 3/4 | 20 | | 10 | 4.5 | 7-3/8 | 187 | 2-15/16 | 75 | 1/2 | 15 | | | | | | |
| 1 | 25 | | 11 | 5 | 8-3/8 | 213 | 3-1/2 | 89 | | | | | | | | |
| 1-1/2 | 40 | | 20 | 9 | 10-1/8 | 257 | 4-13/16 | 122 | | | | | | | Bolted | |
| | | | | | | | | | | | | | | | | |
| 1/2 | 15 | E7FL 300 | 6-1/2 | 3 | 7-1/4 | 184 | 2-11/16 | 68 | 3/8 | 9.5 | 495 | 34 | 720 | 50 | Threaded | ANSI B16.5 1/16" RF |
| 3/4 | 20 | | 9-1/2 | 4.3 | 7-3/4 | 197 | 2-15/16 | 75 | 1/2 | 15 | | | | | | |
| 1 | 25 | | 13-1/2 | 6 | 8-7/8 | 226 | 3-1/2 | 89 | | | | | | | | |
| 1-1/2 | 40 | | 22 | 10 | 10-3/4 | 273 | 4-13/16 | 122 | | | | | | | Bolted | |
| | | | | | | | | | | | | | | | | |
| 1/2 | 15 | E7FL 600 | 8-1/2 | 4 | 7-11/16 | 195 | 2-11/16 | 68 | 3/8 | 9.5 | 935 | 64 | 1 440 | 99 | Threaded | ANSI B16.5 1/4" RF |
| 3/4 | 20 | | 9-1/2 | 4.3 | 8-1/4 | 210 | 2-15/16 | 75 | 1/2 | 15 | | | | | | |
| 1 | 25 | | 13-1/2 | 6 | 9-3/8 | 238 | 3-1/2 | 89 | | | | | | | | |
| 1-1/2 | 40 | | 27 | 12 | 11-5/16 | 287 | 4-13/16 | 122 | | | | | | | Bolted | |

NOTE: For pressure/temperature ratings, see page 443.





**Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit armstronginternational.com for up-to-date information.**

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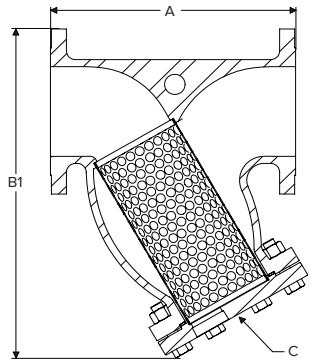
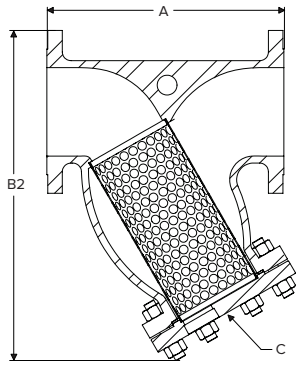
# Cast Stainless Steel (CF8M)

## Class 150, 300 Flanged, and 600 Flanged 2" - 12"




YSS-E 2"-12" (Bolts)




YSS-E 2"-12" (Studs)

| Materials: Class 150, 300, and 600 Flanged 2" - 12" (50 - 300 mm) | | | | | | |
|---|---|---|---|---|---|---|
| Connection Size | | Body | Screen Retainer | Gasket | Bolting ($B_1$) / Studs ($B_2$) | Standard Screen |
| in | mm | | | | | |
| 2 - 12 | 50 - 300 | ASTM A351 Gr. CF8M | ASTM A182 Gr. F316 | 304 SS Spiral Wound Graphite | Bolts ASTM A193 Gr. B7 Zinc Plated<br>Nuts ASTM A194 2H Zinc Plated<br>Studs ASTM A193 B8M<br>Nuts ASTM A194 8M | 316 SS .045" perforated† |

†NOTE: Other screen materials available. See page 435.

| Physical Data: Class 150, 300, and 600 Flanged 2 " - 12" (50 - 300 mm) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Size | | Weight | | Dimensions | | | | | | | | Maximum Pressure | | | | Screen Retainer Type | Flanges |
| | | | | A | | $B_1$ (bolts) | | $B_2$ (studs) | | C | | Saturated Steam | | 100°F (38°C) non-shock | | | |
| in | mm | lb | kg | in | mm | in | mm | in | mm | in | mm | psig | barg | psig | barg | | |
| 2 | 50 | 40 | 18 | 8 | 203 | 8-3/32 | 205 | 8-19/32 | 218 | 1/2 | 15 | 200 | 14 | 275 | 19 | Bolted | Class 150 ANSI B16.5 1/16" RF |
| 3 | 80 | 55 | 25 | 9-1/2 | 241 | 9-19/32 | 245 | 9-29/32 | 252 | 1 | 25 | | | | | | |
| 4 | 100 | 104 | 47 | 11-1/2 | 292 | 11-19/32 | 294 | 11-15/16 | 303 | 1-1/2 | 40 | | | | | | |
| 6 | 150 | 173 | 78 | 16 | 406 | 16-13/32 | 417 | 17 | 432 | 2 | 50 | | | | | | |
| 8 | 200 | 299 | 135 | 19-1/2 | 495 | 20-13/16 | 529 | 21-1/4 | 540 | | | | | | | | |
| 10 | 250 | 458 | 208 | 24-1/2 | 622 | 24-19/32 | 625 | 25-1/8 | 638 | | | | | | | | |
| 12 | 300 | 767 | 348 | 27-1/2 | 699 | 29 | 736 | 29-19/32 | 752 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 2 | 50 | 45 | 21 | 10-1/2 | 267 | 8-7/32 | 207 | 8-1/2 | 216 | 1/2 | 15 | 495 | 34 | 720 | 50 | Bolted | Class 300 ANSI B16.5 1/16" RF |
| 3 | 80 | 77 | 35 | 12-1/2 | 318 | 10-3/32 | 256 | 10-13/32 | 264 | 1 | 25 | | | | | | |
| 4 | 100 | 135 | 61 | 14 | 356 | 11-13/16 | 300 | 12-7/32 | 310 | 1-1/2 | 40 | | | | | | |
| 6 | 150 | 254 | 115 | 17-1/2 | 445 | 16-23/32 | 424 | 17-1/8 | 435 | 2 | 50 | | | | | | |
| 8 | 200 | 446 | 202 | 22 | 559 | 21-13/32 | 543 | 21-7/8 | 555 | | | | | | | | |
| 10 | 250 | 650 | 295 | 24-1/2 | 622 | 25-7/32 | 639 | 25-10/16 | 651 | | | | | | | | |
| 12 | 300 | 981 | 445 | 28 | 711 | 29-13/16 | 757 | 30-11/32 | 771 | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 2 | 50 | 64 | 29 | 11-1/2 | 292 | 9-3/32 | 230 | 9-13/32 | 239 | 1/2 | 15 | 935 | 64 | 1 440 | 99 | Bolted | Class 600 ANSI B16.5 1/4" RF |
| 3 | 80 | 106 | 48 | 14 | 356 | 11-7/32 | 284 | 11-23/32 | 298 | 1 | 25 | | | | | | |
| 4 | 100 | 211 | 96 | 17 | 432 | 13-1/2 | 342 | 14 | 356 | 1-1/2 | 40 | | | | | | |
| 6 | 150 | 453 | 205 | 22 | 559 | 19-7/32 | 487 | 19-23/32 | 501 | 2 | 50 | | | | | | |
| 8 | 200 | 721 | 327 | 26 | 660 | 23 | 585 | 24-1/4 | 603 | | | | | | | | |
| 10 | 250 | 1 227 | 556 | 31 | 787 | 27-13/16 | 707 | 28-15/32 | 723 | | | | | | | | |
| 12 | 300 | 1 663 | 754 | 33 | 838 | 32-29/32 | 835 | 33-10/16 | 854 | | | | | | | | |

NOTE: For pressure/temperature ratings, see page 443.



**Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit armstronginternational.com for up-to-date information.**