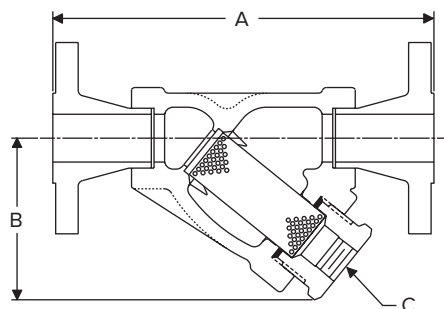
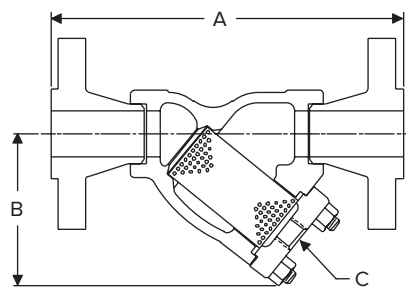




E7FL 1/2", 3/4", 1"



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<br>Gr. CF8M | ASTM A276             | 316 SS Flat                         | N/A                                             | 316 SS .045" perforated <sup>1</sup> |
| 1-1/2           | 40         |                       | ASTM A351<br>Gr. CF8M | 304 SS Spiral Wound<br>Non-asbestos | Studs ASTM A193 Gr. B7<br>Nuts ASTM A194 Gr. 2H |                                      |

<sup>1</sup>NOTE: Other screen materials available. See page 435.

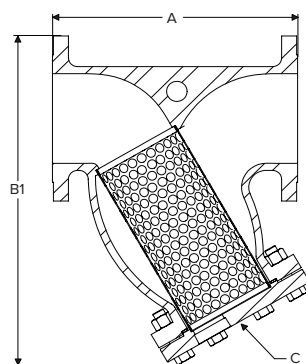
**Physical Data: Class 150, 300, and 600 Flanged 1/2" - 1-1/2" (15 - 40 mm)**

| 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               |
| 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     |     |     |                  |      |                        |      |                      |                        |
|       |    |                                |          |     |            |       |         |         |     |     |                  |      |                        |      |                      |                        |
| 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<br>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     |     |     |                  |      |                        |      |                      |                        |
|       |    |                                |          |     |            |       |         |         |     |     |                  |      |                        |      |                      |                        |
| 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<br>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     |     |     |                  |      |                        |      |                      |                        |

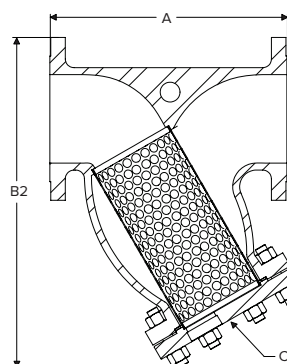
NOTE: For pressure/temperature ratings, see page 443.

# Cast Stainless Steel (CF8M) [shop.valves.com](http://shop.valves.com)

## 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 <sub>1</sub> ) / Studs (B <sub>2</sub> )                                                             | 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 <sup>†</sup> |

<sup>†</sup>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 <sub>1</sub> (bolts) |     | B <sub>2</sub> (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<br>ANSI B16.5<br>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<br>ANSI B16.5<br>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   | 1440                   | 99   | Bolted               | Class 600<br>ANSI B16.5<br>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 | 1227   | 556 | 31         | 787 | 27-13/16               | 707 | 28-15/32               | 723 |       |    |                  |      |                        |      |                      |                                     |
| 12                                                                    | 300 | 1663   | 754 | 33         | 838 | 32-29/32               | 835 | 33-10/16               | 854 |       |    |                  |      |                        |      |                      |                                     |

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