

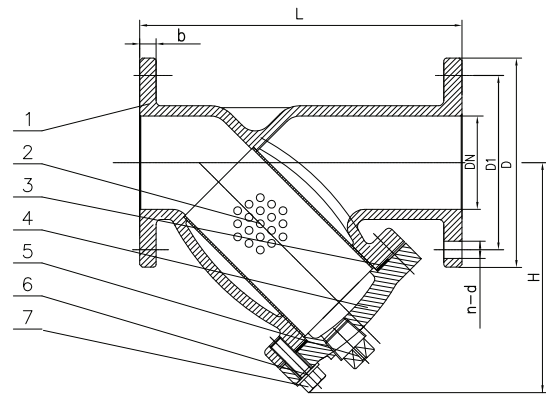
## Y STRAINER

### MODEL: SD-YS300FF-D

- Working pressure: 300 psi
- Connection ends: Flange to ASME B16.1 Class 125
- Temperature range: 0°C to 80°C Rubber Gasket  
-10°C to 350°C Graphite Gasket
- Coating: Fusion bonded epoxy coating internally and externally in accordance with ANSI/AWWA C550



| PART NO. | PART NAME   | ASTM SPEC.               |
|----------|-------------|--------------------------|
| 1        | Valve Body  | ASTM A536, 65-45-12      |
| 2        | Screen      | AISI 304                 |
| 3        | Gasket      | EPDM                     |
| 4        | Bonnet      | ASTM A536, 65-45-12      |
| 5        | Plug        | Bronze ASTM B584         |
| 6        | Bolt        | Carbon Steel Zinc Plated |
| 7        | Flat Washer | Carbon Steel Zinc Plated |



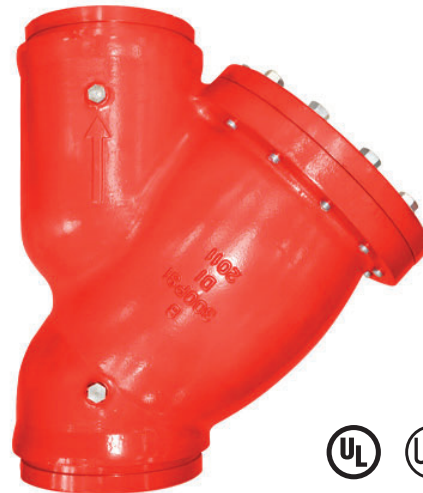
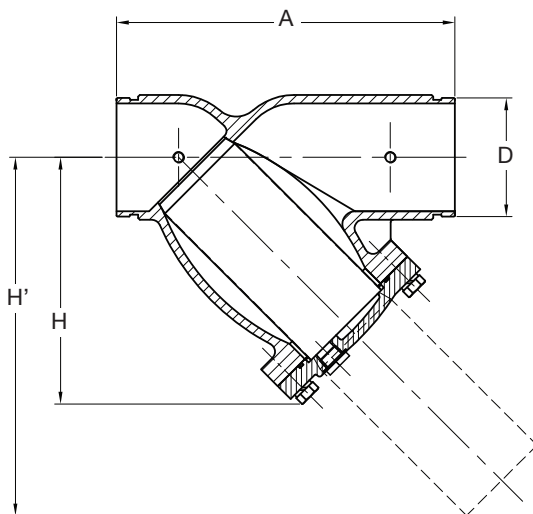
| Size | L   | D   | D1    | b    | nxd       | H   | Net. Wt. Kg. | Screen Details       |           |                    |
|------|-----|-----|-------|------|-----------|-----|--------------|----------------------|-----------|--------------------|
|      |     |     |       |      |           |     |              | Screen hole diameter | Sieve No. | Free flow area (%) |
| 2"   | 200 | 152 | 120.5 | 16   | 4 x 19.1  | 155 | 8.70         | 4                    | 25        | 48                 |
| 2½"  | 254 | 178 | 139.5 | 17.5 | 4 x 19.1  | 165 | 12.20        | 4                    | 25        | 48                 |
| 3"   | 257 | 191 | 152.5 | 19   | 4 x 19.1  | 180 | 13.84        | 5                    | 19        | 59                 |
| 4"   | 308 | 229 | 190.5 | 24   | 8 x 19.1  | 229 | 23.88        | 5                    | 19        | 59                 |
| 5"   | 397 | 254 | 216   | 24   | 8 x 22.2  | 285 | 43.79        | 6                    | 14        | 63                 |
| 6"   | 470 | 279 | 241.5 | 25.5 | 8 x 22.2  | 311 | 43.79        | 6.3                  | 13        | 64                 |
| 8"   | 549 | 343 | 298.5 | 28.5 | 8 x 22.2  | 394 | 75.27        | 6.3                  | 13        | 64                 |
| 10"  | 654 | 406 | 362   | 30.5 | 12 x 25.4 | 487 | 109.25       | 6.3                  | 13        | 64                 |
| 12"  | 759 | 483 | 432   | 32   | 12 x 25.4 | 547 | 173.10       | 6.3                  | 13        | 64                 |

Unit : mm

## Y STRAINER

### MODEL: SD-YS300GG-D

- Groove - Groove ends
- Working pressure is 300 psi
- Working temperature -10°C to 120°C
- Valve comply to AWWA C 606
- FBE coating internally and externally



| PART NAME  | MATERIAL        | ASTM SPEC.    |
|------------|-----------------|---------------|
| Body       | Ductile Iron    | A536 65-45-12 |
| Cover      | Ductile Iron    | A536 65-45-12 |
| O Ring     | EPDM            |               |
| Screen     | Stainless Steel | SS304         |
| Plug       | Steel           | Q235+Zn       |
| Test Screw | Brass           | ASTM B16      |

| Size | A     | D     | H     | H'  | Screen Details       |                       |                         |
|------|-------|-------|-------|-----|----------------------|-----------------------|-------------------------|
|      |       |       |       |     | Screen hole diameter | Area of opening (cm²) | Friction lost at 15 FPS |
| 2"   | 203.2 | 60.3  | 130   | 195 | 3.3                  | 9503.67               | 7.22                    |
| 2½"  | 254   | 73    | 158   | 240 | 3.3                  | 13761.30              | 5.89                    |
| 3"   | 260   | 88.9  | 175   | 270 | 3.3                  | 19105.64              | 8.24                    |
| 4"   | 308.1 | 114.3 | 202   | 320 | 4.78                 | 32638.60              | 5.88                    |
| 5"   | 398.3 | 139.7 | 290   | 425 | 4.78                 | 52587.00              | 7.63                    |
| 6"   | 471.4 | 168.3 | 334   | 495 | 6                    | 80637.67              | 4.82                    |
| 8"   | 549.4 | 219.1 | 391   | 570 | 6.4                  | 132617.48             | 5.83                    |
| 10"  | 654.1 | 273   | 459.4 | 700 | 6.4                  | 205850.99             | 7.25                    |
| 12"  | 762   | 323.9 | 590   | 840 | 6.4                  | 293121.82             | 5.73                    |

Unit : mm